

Comparative genome analysis of related catfish species

by

Jiaren Zhang

A dissertation submitted to the Graduate Faculty of
Auburn University
in partial fulfillment of the
requirements for the Degree of
Doctor of Philosophy

Auburn, Alabama
December 13, 2014

Keywords: catfish, common plecostomus, striped Raphael catfish, genome

Copyright 2014 by Jiaren Zhang

Approved by

Zhanjiang Liu, Chair, Alumni Professor, School of Fisheries, Aquaculture and Aquatic Sciences
Eric Peatman, Associate Professor, School of Fisheries, Aquaculture and Aquatic Sciences
Rex Dunham, Alumni Professor, School of Fisheries, Aquaculture and Aquatic Sciences
Nannan Liu, Professor, Department of Entomology and Plant Pathology

Abstract

Catfish belong to the order Siluriformes. They are one of the largest orders of teleost fish, with over 5,000 living species, accounting for approximately 15% of teleost fish species, or 7.8% of all vertebrates. Catfish are important commercial aquaculture species in many countries. Particularly, channel catfish (*Ictalurus punctatus*) is the leading aquaculture species in the United States, accounting for over 60% of all U.S. aquaculture production, and representing a two-billion-dollar industry in the United States. With the purpose of enhancing the quality and quantity of catfish production, genetic and breeding programs have been established. Selective breeding, and genetic enhancement programs such as strain evaluation, selection, intraspecific crossbreeding and interspecific hybridization have been utilized to improve various traits of catfish to enhance the quality and quantity of catfish production.

Major genomic resources have been developed in catfish. These resources included ESTs, RNA-Seq datasets, various molecular markers, genetic linkage maps, physical maps, and BAC end sequences. These genomic resources supported the effort to generate the whole genome reference sequence, and could be utilized for genetic enhancement programs and functional studies. Recently, the channel catfish genome was sequenced from a double haploid template with coverage over 60X (unpublished data), and a total of 29,704 genes were predicted and annotated in catfish genome.

Accuracy, completeness, contiguity and connectivity are four parameters most often used for the evaluation of whole genome assemblies. Accuracy refers to the percentage of correct base calling. Completeness refers to the percentage of the genome sequences being assembled. Contiguity refers to the length of contigs. Connectivity refers to scaffolding of contigs in the chromosome level.

Draft genome sequences of related catfish species, ictalurid catfish (channel catfish and blue catfish), common plecostomus (*Hypostomus plecostomus*) and striped Raphael catfish (*Platydoras armatulus*) were generated and compared to assess the completeness of the channel catfish genome sequences. The two selected catfish species, common plecostomus and striped Raphael catfish, harbor scute-type scales while the channel catfish and blue catfish (*Ictalurus furcatus*) are both scaleless. Through comparative genome analysis, especially through comparison of their genes, insights into the possible genes or gene pathways involved in the scale formation were inferred.

A total of 565.11 million and 326.33 million 100 bp paired-end reads were obtained through Illumina HiSeq2000 platform for common plecostomus and striped Raphael catfish, respectively. Genome size of two armored catfish species was predicted as 1.1 Gb for common plecostomus and 0.8 Gb for striped Raphael catfish. ABySS assembler was applied to provide a high quality *de novo* assembly. In common plecostomus genome, a total of 472,063 contigs were assembled with N50 contig size of 4,151 bp, and average contig size of 2,156 bp. Similarly, in striped Raphael catfish genome, a total 381,982 contigs were assembled, with a N50 of 4,413 bp, and average contig size of 2,086 bp. After the annotation, a total of 28,122 and 26,190 unique genes were obtained for common plecostomus and striped Raphael catfish, respectively.

Twelve fish genomes were used for comparative genome analysis of their gene contents. These included zebrafish (*Danio rerio*), Atlantic cod (*Gadus morhua*), medaka (*Oryzias latipes*), tilapia (*Oreochromis niloticus*), fugu (*Takifugu rubripes*), cave fish (*Astyanax mexicanus*), stickleback (*Gasterosteus aculeatus*), spotted gar (*Lepisosteus oculatus*), coelacanth (*Latimeria chalumnae*), platyfish (*Xiphophorus maculatus*), tetraodon (*Tetraodon nigroviridis*), and ictalurid catfish. Genes from these species were compared with those of zebrafish, a species with relatively complete genome sequences. The number of genes that were identified from the zebrafish genome but not from the genome of other species varied from 780 (channel catfish) to 2,594 (fugu). Compared with the ictalurid catfish genome, the zebrafish genome ‘missed’ the smallest number of genes (987) followed by cave fish (1,537), spotted gar (1,559) and platyfish (1,853), and tilapia (1,882). Such comparative genome analysis could indicate that the ictalurid catfish genome sequences is as complete as the zebrafish genome, and better than other ten fish genomes.

After filtering through all ictalurid catfish genomic resources and conducting a reverse blast search, a total of 167 genes were identified as armored catfish-specific genes. Among these, 93 genes were found from common plecostomus genome assembly, while 91 genes were found from striped Raphael catfish genome and 17 genes were overlap in both databases. Of these 167 genes, 11 gene functions can be searched based on their identities.

Conserved syntenic analysis was applied to determine whether any armored catfish-specific genes were absent in the ictalurid catfish genome. As a result, of the 167 armored catfish-specific genes, there are 22 genes were found in a highly conserved syntenic block, suggesting that they might be truly missing from the catfish genome. Of these 22 genes, interphotoreceptor matrix proteoglycan 1, osteocrin-like, and protein pitchfork were annotated as functional genes. The osteocrin gene was reported to modulate osteoblastic differentiation, while pitchfork protein is

highly related to Shh signaling pathway, thus these two genes may play important role in scale formation.

In conclusion, ictalurid catfish genome is more complete than other fish species, and close to the completeness of zebrafish genome. Through the comparative genome analysis, a total of 167 armored catfish specified genes were identified in this dissertation. Conserved syntenic analyses indicated that 22 genes were present in zebrafish or other genomes but were absent from the channel catfish conserved syntenic blocks, providing stronger evidence that they might be truly missing from the catfish genome, but additional analyses are required to confirm this. This study is the first comparative genomics study among catfish species. It will supplement catfish genomic resources for researchers and provide a comparative genome analysis model for evolutionary studies.

Acknowledgments

First and foremost, I would like to express my deep and sincere gratitude to my advisor Dr. Zhanjiang Liu for his constant guidance, support, patience and encouragement throughout my Ph.D. program. Without him, it would be impossible for me to finish this dissertation. His mentorship has been fundamental to my development as a scientist and will have a significant impact on my future career. I would like to express my sincere gratitude to my committee: Dr. Nannan Liu, Dr. Eric Peatman, Dr. Rex Dunham and my dissertation outside reader, Dr. Luxin Wang for their advice and critical reading of my dissertation. My sincere thanks go to Ludmilla Kaltenboeck and Huseyin Kucuktas for their technical assistance and all the colleagues in the laboratory for their help, collaboration, and friendship. Many thanks to Dr. Jonathan Armbruster for his help in obtaining armored catfish and his discussions on phylogenies of catfish. I would like to express my gratitude to the Chinese Scholarship Council for the financial support for my Ph.D. program. Finally, I would like to thank my wife June, my mother in law Zenhua Liu, my parents Jianli Hao and Li Zhang, my brother Qiuren Zhang and my little daughter Rebecca Zhang for their love and support.

Table of Contents

Abstract.....	ii
Acknowledgments.....	vi
List of Tables	ix
List of Figures.....	x
List of Abbreviations	xii
I. INTRODUCTION	1
II. LITERATURE REVIEW	6
Fish, catfish, channel catfish and armored catfish	6
Fish scales.....	13
Next generation sequencing and third generation sequencing technologies	15
Genomic resources of ictalurid catfish	19
Fish genome sequencing projects.....	22
III. MATERIALS AND METHODS	25
Comparative analysis of gene contents between ictalurid catfish and other fish species with sequenced genomes	25
Identification of the number of genes specifically present in the species, but absent from any other fish species.	27
Identification of the number of genes specifically present in the species, but absent from other vertebrate species.....	27
DNA extraction and genome sequencing of common plecostomus and striped Raphael catfish	28

Whole genome <i>de novo</i> assembly of common plecostomus and striped Raphael catfish .	29
Genome size estimation for common plecostomus and striped Raphael catfish	30
Gene annotation of common plecostomus and striped Raphael catfish.....	30
Identification of specific genes in common plecostomus and striped Raphael catfish.....	30
Syntenic analysis of armored catfish-specific genes	31
IV. RESULTS.....	33
Generation and <i>de novo</i> assembly of whole genome shotgun sequences from common plecostomus and striped Raphael catfish.....	33
Estimation of genome size of common plecostomus and striped Raphael catfish	37
Genome annotation of common plecostomus and striped Raphael catfish	38
Comparative analysis of gene contents between ictalurid catfish and other fish species with sequenced genomes	38
Identification of the number of genes specifically present in the species, but absent from any other fish species.	43
Identification of the number of genes specifically present in the species, but absent from other vertebrate species.....	45
Comparative gene contents analysis between two armored catfish and channel catfish ...	46
Conserved syntenic analysis for armored catfish-specific genes	57
V. DISCUSSIONS	81
VI.CONCLUSION.....	88
Reference.....	89

List of Tables

Table 1	18
Table 2	21
Table 3	33
Table 4	37
Table 5	39
Table 6	41
Table 7	42
Table 8	43
Table 9	46
Table 10	57

List of Figures

Figure 1	6
Figure 2a	7
Figure 2b	8
Figure 3	10
Figure 4	12
Figure 5a	16
Figure 5b	16
Figure 6	25
Figure 7	27
Figure 8	34
Figure 9	35
Figure 10	45
Figure 11	56
Figure 12	57
Figure 13	58
Figure 14	59
Figure 15	60
Figure 16	61

Figure 17	62
Figure 18	63
Figure 19	64
Figure 20	65
Figure 21	66
Figure 22	67
Figure 23	68
Figure 24	69
Figure 25	70
Figure 26	71
Figure 27	72
Figure 28	73
Figure 29	74
Figure 30	75
Figure 31	76
Figure 32	77
Figure 33	83

List of Abbreviations

PPT	parts per thousand
G10K	Genome 10K project
Gb	Gigabase
ATP	adenosine triphosphate
SOLiD	Sequencing by Oligonucleotide Ligation and Detection
SMRT	Single Molecular Real Time
ZMW	Zero-Mode Waveguide
RAPD	Random Amplified Polymorphic DNA
AFLP	Amplified Fragment Length Polymorphism
SNP	Single Nucleotide Polymorphism
EST	Expressed Sequence Tag
GWAS	Genome Wide Associate Study
ABYSS	Assembly by Short Sequences
NR	Non-redundant protein database
PE	Paired-end
Contig	Contiguous sequences
TGD	Teleost genome duplication
SHH	Sonic Hedgehog signaling pathway

I. INTRODUCTION

Catfish belong to the order of Siluriformes. They constitute one of the largest orders of teleost fish with over 5,000 living species (Sullivan et al., 2006; Eschmeyer and Fong, 2014), accounting for approximately 15% of teleost fish species (total of approximately 33,000 species), or 7.8% of all vertebrates (about 64,000 species).

Catfish are a diverse group characterized by features of prominent barbels. Because the barbels resemble a cat's whiskers, they are named catfish. Their geographical distribution is the Americas, Asia, Africa and Europe. Their sizes vary from very large such as the Mekong giant catfish (*Pangasianodon gigas*, found in Southeast Asia) to a tiny parasitic species such as candiru (*Vandellia cirrhosa*, found in Amazon Basin). The status of their scales also vary from scaleless to armour-plated scale types (Nelson, 1994; Maddison et al., 2007).

Catfish are of considerable commercial importance. Many catfish species are very important natural resources for commercial fisheries or sport fishing. For example, catfish (mostly channel catfish, blue catfish, bullhead catfish *Ameiurus spp.* and flathead catfish *Pylodictis olivaris*) are among the top three sport fishing species in the United States. Many catfish are important aquaculture species including ictalurid catfish, clarias catfish, and pangasius catfish. For example, ictalurid catfish is the most important aquaculture species in the United States, while clarias catfish and pangasius catfish is widely cultured in the Asia and Africa (Eschmeyer and Fong, 2014).

Channel catfish is the leading aquaculture species in the United States, accounting for around 1/3 of all U.S. aquaculture production, representing a two-billion-dollar industry in the United States. Selective breeding (Dunham and Smitherman, 1984; Dunham, 2006), and genetic enhancement programs such as strain evaluation (Sun, et al., 2014; Waldbieser and Wolters, 2007; Dunham and Masser, 2012), selection, intraspecific crossbreeding and interspecific hybridization have been utilized to improve various traits of catfish to enhance the quality and quantity of catfish production. The performance and production traits addressed include growth rates (Dunham and Smitherman, 1983; Hallerman et al., 1986), disease resistance (Dunham et al, 1994; Li et al., 2012; Sun et al., 2012), low oxygen tolerance (Geng et al., 2014; Dunham et al., 2014), feed conversion efficiency (Robinson and Li, 2010), carcass traits and processing yields (Argure et al., 2003), and various other traits (Liu et al., 2013; Eya et al., 2012).

Major genomic resources have been developed for catfish in recent years. These resources included ESTs, RNA-Seq datasets, various molecular markers, genetic linkage maps, physical maps, and BAC end sequences. These genomic resources supported the effort to generate the whole genome reference sequence, and could be utilized for genetic enhancement programs and functional studies (Liu, 2011b; Peatman, 2012).

Reference genome is a key genomics resource. However, for many years, production of the reference genome sequence for catfish has been limited by the insufficient genomic resources as well as by funding. Benefited by the advances of next generation sequencing technologies and drastic reduction in sequencing cost, sequencing the whole genome is now possible. Such progress allowed sequencing of the whole genome from many fish species. For instance, genomes of almost a dozen of fish species has been sequenced including those of zebrafish (Howe et al., 2013), fugu (Aparicio et al., 2002), tetraodon (Jaillon et al., 2004), medaka (Kasahara et al., 2007), stickleback

(Jones et al., 2012; Guo et al., 2013), rainbow trout (Berthelot et al., 2014), Atlantic cod (Star et al., 2011), half-smooth tongue sole (*Cynoglossus semilaevis*; Chen et al., 2014), and common carp (*Cyprinus carpio*; Xu et al., 2014).

Recently, the channel catfish genome was sequenced from a double haploid template by Liu and Waldbieser (unpublished data) with coverage over 60X. Coupled with other well-developed genomic resources, it was successfully assembled using MaSuRCA assembler and annotated by FGENESH and Augustus software. A total of 29,704 genes were predicted and annotated in the channel catfish genome. Meanwhile, blue catfish draft genome sequences (unpublished data) were generated using Illumina's Moleculo sequencing technology. Because of high gene identity shared among ictalurid catfish (for example, channel catfish and blue catfish share an average of 98.7% gene sequence identity), channel catfish and blue catfish genome were pooled together and used as reference genome of ictalurid catfish to conduct comparative genome analysis in this study. While production of the draft genome sequences is relatively easy, their validation can be difficult.

Four parameters are most often used for the assessment of whole genome assemblies. These include accuracy, completeness, contiguity, and connectivity. Accuracy refers to the percentage of correct base calling. It is determined by the use of sequencing technology. For instance, the Roche 454 pyrosequencing technology has relative low level of sequence accuracy because the technology is incapable of calling poly-nucleotide tract (i.e., three or more consecutive identical DNA bases) accurately (Quince et al., 2009; Gilles et al., 2011; Luo et al., 2012). Pacific Biosciences (PacBio) sequencing technologies has a calling error rate of ~15% (English, et al., 2012). However, Illumina sequencing technology has a high accuracy of approximately 99.2% (Bentley et al., 2008).

Completeness refers to the percentage of the genome sequences that are being assembled. While the next generation sequencing technologies are very efficient in generating sequences, the assembly of short shotgun sequences into contiguous sequences (contigs) can be a great challenge. In particular, in the presence of a large number of interspersed repetitive sequences, computer software cannot make unique assignments of repetitive sequences into contigs. As a result, the repetitive sequences may be left behind, leading to a fraction of the genome not being assembled into the reference genome sequence. Additionally, depending on the number and quality of the libraries used for sequencing, a fraction of the genome can be missing from being sequenced, and therefore, absent in the final assemblies, leading to incompleteness of the genome assembly.

Contiguity refers to the length of contigs. It is one of the most important parameters for evaluating the quality of genome assemblies. Generally, longer range of contiguity indicate a better genome assembly and a more complete coverage with the same level of sequencing accuracy. Statistics utilized to measure the contiguity of a genome assembly is generally the size of contigs as reflected by average contig size, or minimum of contig size that included 50% of the genome (N50), or N_x (N60, N80, N90, or N99). Among these, N50 length, which describes a kind of median of genome assembly contiguity, is commonly used in the assessment of most genome assemblies.

Connectivity refers to length of scaffolds. Scaffolds are constructed from a number of contigs in the chromosome level through using mate pairs of sequencing reads from “jumping” libraries (libraries constructed with long insert length). Generally, insert sizes of over 20 kb make a great contribution to the final size of contiguity and scaffold for genome assemblies (Ekblom and Wolf, 2014). The goal for scaffolding is to bring contigs together into long, but connected

sequences although gaps may still exist between the connected contigs. In the perfect situation, each chromosome is represented by a single scaffold.

With the channel catfish reference genome available, one obvious question is how good is the genome sequence assembly? Such a question is complex in that the quality assessment needs to be made in terms of sequence accuracy, completeness, contiguity, and connectivity. Additionally, the correctness of the sequence assembly itself requires validation. Several of these parameters can be measured directly from the sequence assembly parameters. For example, the accuracy can be calculated from the sequences themselves and in this case, the Illumina sequences generated for the catfish genome had an error rate of ~0.8% (Waldbieser, personal communications). The contiguity is reflected in the sequence assembly contig sizes and its N50, N60, N80, N90, and N99. These parameters should provide a very comprehensive picture of the contiguity. Connectivity is reflected in the scaffolding into chromosome level sequences. For instance, the channel catfish genome had a total of 21,181 scaffolds, i.e., on average, each chromosome is represented by 365 scaffolds. However, the completeness is much more difficult to assess because the accurate genome size of channel catfish is not known, although it was estimated to be 0.95 Gb (Tiersch and Goudie, 1993).

The objective of this study was to generate and compare draft genome sequences of related catfish species, ictalurid catfish (channel catfish and blue catfish), common plecostomus (*Hypostomus plecostomus*) and striped Raphael catfish (*Platydoras armatulus*), and to assess the completeness of the ictalurid catfish genome sequences. The two catfish species, common plecostomus and striped Raphael catfish, harbor scute-type scales while the channel catfish and blue catfish, *I. furcatus*, are both scaleless. Though there are several possibilities leading to scale loss in ictalurid catfish, such as exons frame shift, promoter mutation, mutations in regulators of

scale related pathways, epigenetic implications, etc., my dissertation focuses on one of the possibilities, the scale related genes lost during evolution process. Through comparative genome analysis, especially through comparison of their genes contents, insights into the possible genes or gene pathways involved in the scale formation could be inferred.

II. LITERATURE REVIEW

Fish, catfish, channel catfish and armored catfish

Generally, fish can be defined as a group of craniate animals living in the aquatic environment and breathing with gills. They constitute such a diverse group that contain around 33,000 species, accounting for about 50% of the vertebrates (about 64,000 species). As shown in Figure 1, fish species can be divided into four major groups, including Myxini (hagfish), the Cephalaspidomorphi (lampreys), Chondrichthyes (cartilaginous fish, such as sharks), and Osteichthyes (bony fish). Among these, hagfish and lampreys are jaw-less fish (Agnatha). Osteichthyes class contain subclass Sarcopterygii (lobe-finned fish), and Actinopterygii (ray-finned fish) that include teleost fish. Most of the fish species belong to the class of Actinopterygii (ray-finned fish), accounting for over 95% of the 33,000 fish species.

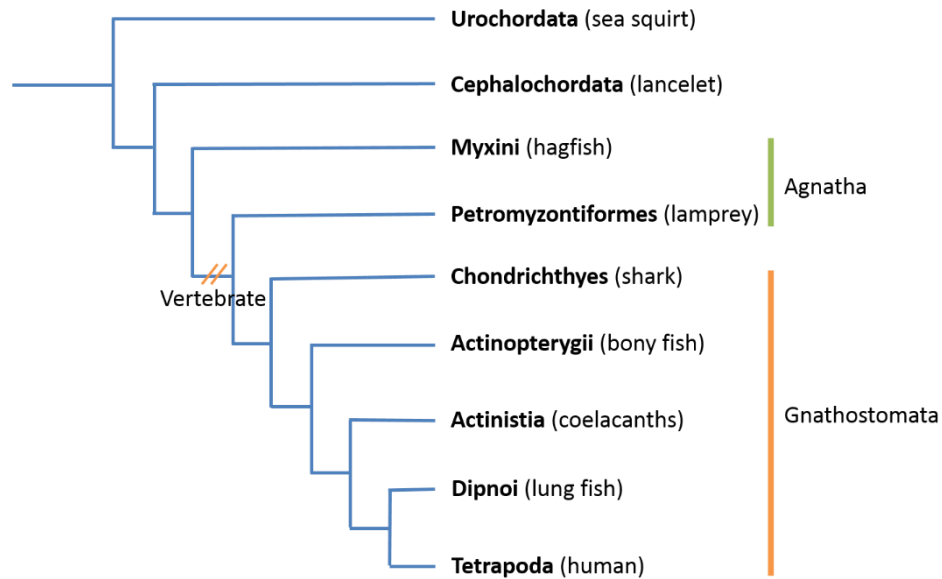


Figure 1. Phylogeny of major classes in Chordata Phylum.

Catfish belong to the order of Siluriformes, class of Actinopterygii, phylum of chordate, and Animalia Kingdom. It is an extremely diverse clade with over 5,000 valid living species (Sullivan et al., 2006; Eschmeyer and Fong, 2014). By far, there are about 36 families found in Siluriformes order (Figure 2a and Figure 2b). Most catfish are found in tropical South America, North America, Africa, and Asia, and more than half of all catfish species live in America. Catfish lives in freshwater environments and most of them inhabit shallow, running water (Brutori, 1996).

Catfish is the predominant aquaculture species in the United States. The catfish industry produces over 130 million kilogram each year and provides downstream employment opportunities for tens of thousands of producers, processors, service providers, marketers, retailers and restaurant owners.

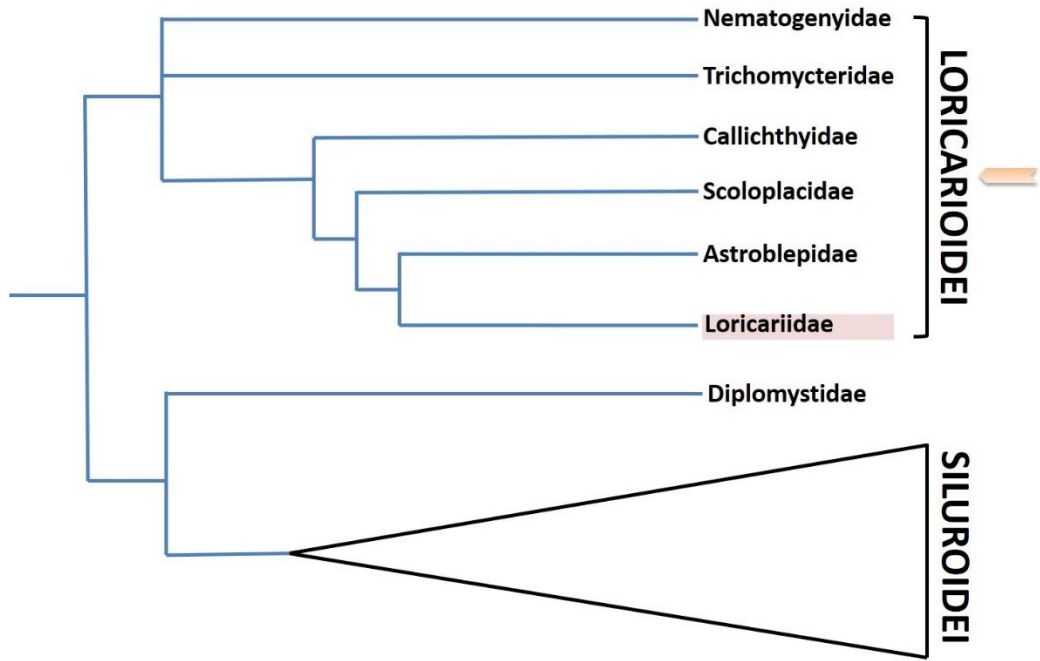



Figure 2a. Phylogeny of Class Siluriforme. Symbol ‘’ indicate armored catfish families (derived from Sullivan et al., 2006). Purple color shadowed are families where Common plecostomus belong to.

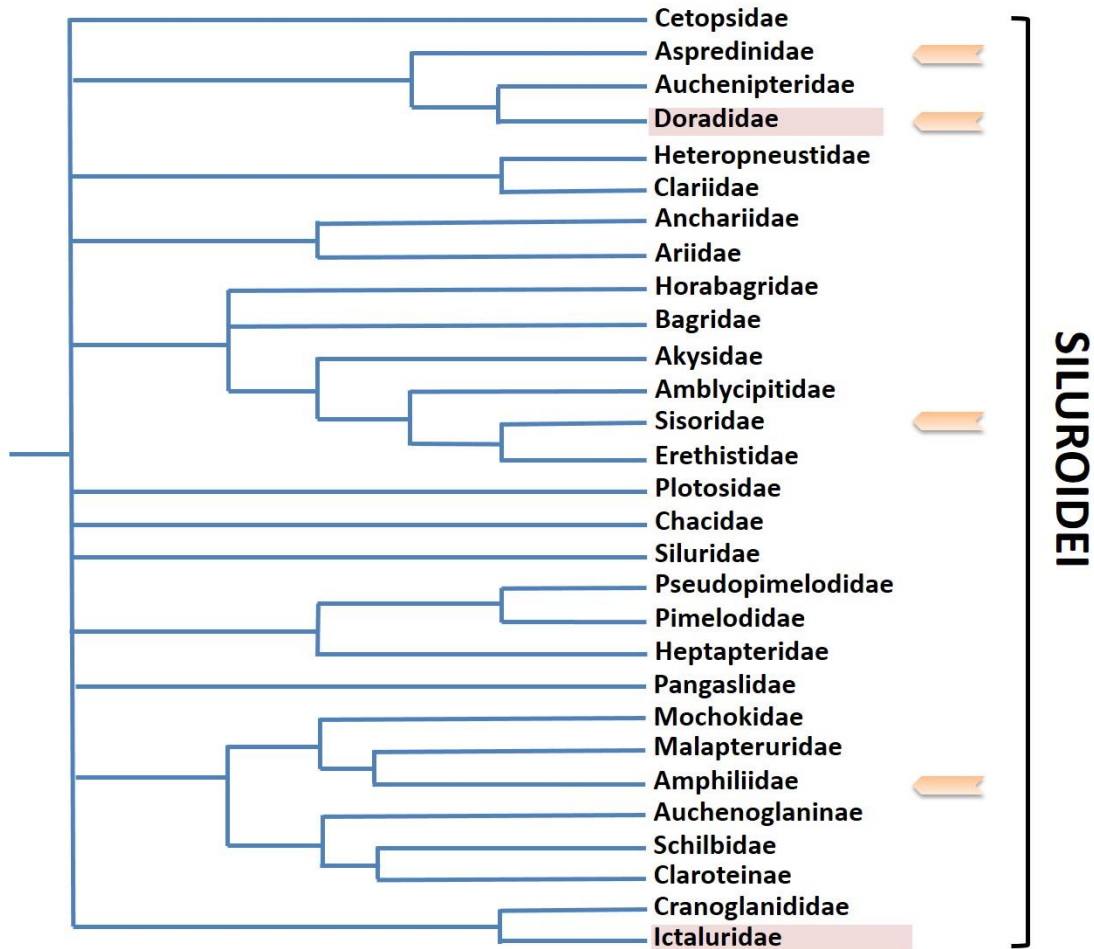



Figure 2b. Phylogeny of Order Siluriforme. Symbol ‘’ indicate armored catfish families (derived from Sullivan et al., 2006). Purple color shadowed are families where striped Raphael catfish and channel catfish belong to.

Channel catfish (*Ictalurus punctatus*) belong to the family Ictaluridae, Order Siluriformes. Channel catfish were originally found in Gulf States and Mississippi Valley north to the South Canada and Mexico (Wellborn, 1988). Nowadays, channel catfish are widely cultured in America, Europe and Asia, they primary distribute in Northern and Eastern of the America, including Alabama, Missouri, Nebraska, Kansas, Iowa and Tennessee. Channel catfish spend most of their lives at the bottom of rivers, reservoirs, natural lakes and ponds.

Channel catfish possess four pairs of barbel surrounding the mouth, with two pairs under the jaw, one pair on each side of mouth and one pair on each tip of the upper jaw. Channel catfish are sensitive to taste, because taste buds are widely distributed over the entire surface of its body, especially concentrated on barbels, gill arches and inside of mouth. Generally, channel catfish become sexually mature at 3-4 years of age, and the maximum size they can reach is around 18-23 kilogram. Channel catfish are scaleless. They have thick mucosal surface covering on their cylindrical bodies, which not only serves as a physical barrier for nutrient absorption and waste secretion, but also play important roles in mediating immune response (Li et al., 2012).

Channel catfish are able to adapt to a wide range of environmental conditions. Though the optimum water temperature for growth of catfish is around 29.4 °C, they can survive at a wide range of temperatures from just above freezing to nearly 38 °C. The optimum spawning temperature for channel catfish is around 27 °C (Wellborn, 1988). Adult channel catfish are able to tolerate salinities from near 0 to 11 ppt (parts per thousand), although salinities less than 4 ppt are preferred and the lethal oxygen level for catfish is about 1.0 ppt (Wellborn, 1988).

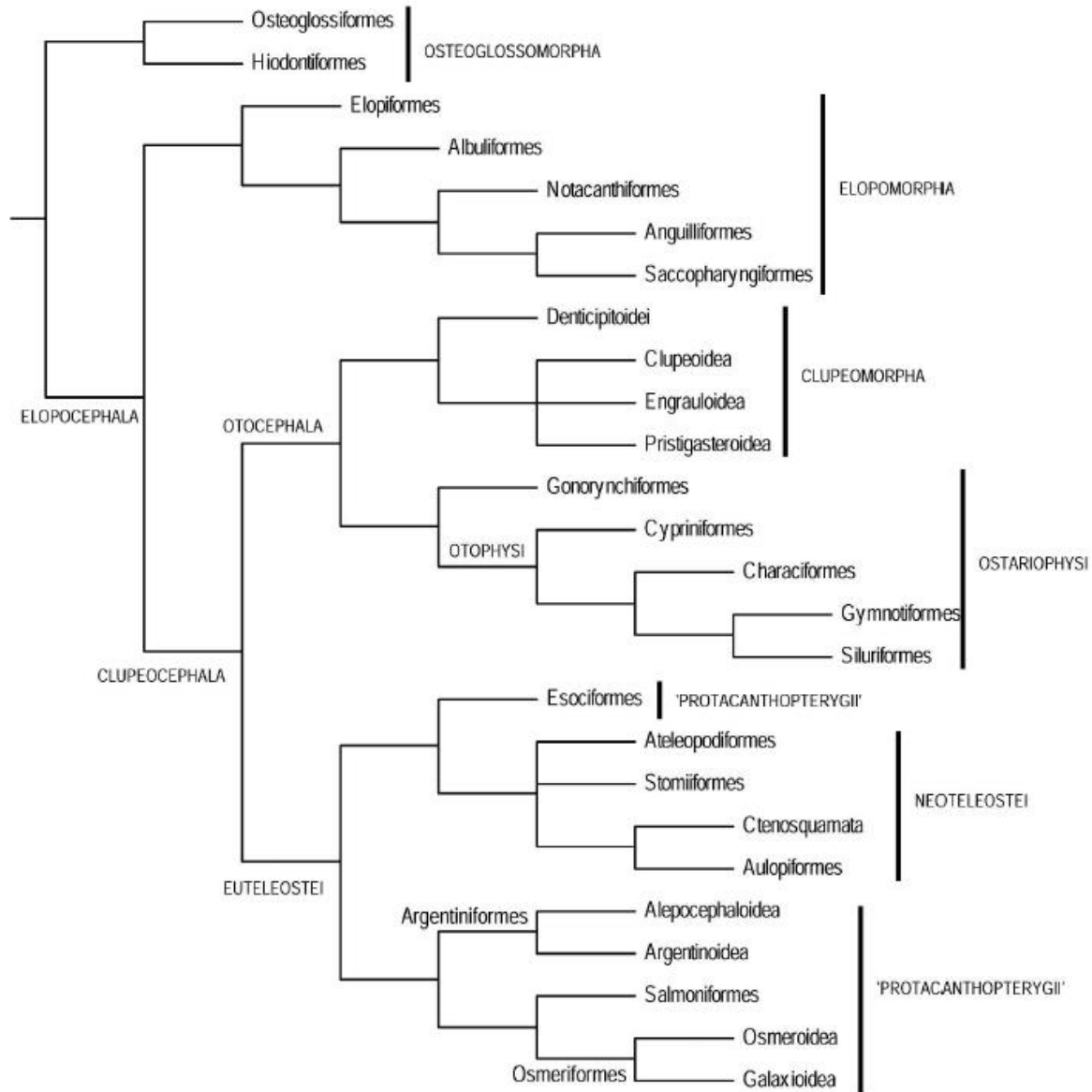


Figure 3. Phylogeny of major teleostean groups (Diogo et al., 2008).

As shown in Figure 3, as sister group to the orders Siluriformes and Gymnotiformes, Characiformes somewhat resemble their relatives of the order Cypriniformes. Their bodies are always covered well defined scales. This indicates vast majority of catfish species would rather lose their scales than gain scales during evolution process.

Even though vast majority of catfish species are scaleless, there are lineages of armored catfish harbor remnants of scale-like structure, which is called scutes. This bony armor structure

is formed by longitudinal series of dermal plates (Ostariophysi et al., 2004). As shown in Figure 2a and Figure 2b, the largest group of armored catfish is the superfamily Loricarioidea, which includes families Callichthyidae, Nematogenyidae, Trichomycteridae, Scoloplacidae, Astroblepidae, and Loricariidae. Among these, Loricariidae is the largest family, with six subfamilies, 92 genera, and more than 684 species (Microcosm Aquarium Explorer: <http://en.microcosmaquariumexplorer.com/wiki/Loricariidae>). In addition to Loricariidae, catfish species in Amphiliidae, Doradidae, Aspridinidae and Sisoridae families also harbor scutes.

In this study, two armored catfish common plecostomus (*Hypostomus plecostomus*) and striped Raphael catfish (*Platydoras armatulus*) were selected as the representatives to conduct comparative gene contents analysis with ictalurid catfish. Common plecostomus (Figure 4), also called suckermouth catfish, is a tropical fish belonging to Loricariidae family. As one of armored catfish species, they bear armor-like longitudinal rows of scutes that cover upper parts of the head and body. Common plecostomus natively located in South America, including Brazil, Guyana, Trinidad and Tobago, and Suriname. In past years, common plecostomus has been widely introduced into a number of countries around the world. In their natural habitat, Common Plecostomus feeds on algae, aquatic weeds and other plant matter and small crustaceans. Their sucker-like mouth allow them to adhere to a surface and rasp at food. In addition, this species is characteristic of having stomachs serving as accessory respiratory organ to conduct air-breathing as dissolved oxygen is low in water (Podkowa and Goniakowska-Witalińska, 2003).

Striped Raphael catfish (Figure 4), *Platydoras armatulus*, also called talking catfish or thorny catfish, belongs to the family Doradidae. Similar to common plecostomus, striped Raphael catfish is one type of popular aquarium fish. They are very pretty catfish with black and white stripes run through the body. Generally, they live on the soft water bottom and feed on mollusks,

crustaceans, and the remains of fish body (Sabaj and Ferraris, 2003). As one kind of armored catfish, they have thorny scutes distribute along the lateral line.



Figure 4. Pictures of *Hypostomus plecostomus* (left picture) and *Platydoras armatulus* (right picture). (Pictures came from website http://www.seriouslyfish.com/wp-content/uploads/2012/03/hypostomus_plecostomoides_1.jpg and <https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcTVExJqiROt8ckcya4Bifdx1HCLAnDgSkq9NzWeAERgDSaGZKevRSgsUIA>).

Fish scales

Most bony fish and cartilaginous fish own scales. Though the morphology of scales is diverse in shape and structure, they are all primarily composed of calcium. Scales function as physical barrier to protect fish body and impose restriction on body movement. Generally, the heavier and thicker scales are, the more protection they provide and more restriction on movement.

Scales evolved in an evolutionary order. Lower vertebrate, such as hagfish and lamprey do not have scales. In cartilaginous fish, such as sharks, they have teeth-like ‘placoid’ scales. This type of scale is made of bone and composed of three layers from outside to inside: enamel, dentine and central pulp. Different from normal scales which are derived from dermis layer and covered by epidermis layer, placoid scales pass through the epidermis layer, and have a definite size instead

of enlarging along with the growth of fish. New scales will grow and fill up the space opened during fish growth. Coelacanth (*Latimeria chalumnae*) scales are named 'cosmoid'. They are constituted of four layers: dense bone layer, spongy bone layer, dentine layer and enamel layer. While in bony fishes, two primary types of scales are found, they are named as 'ganoid' and 'elasmoid'. Both types of scales are composed of a calcified layer and a fibrous layer (<http://www.earthlife.net/fish/scales.html>). Ganoid scales evolved from cosmoid scales and have been found in lower actinopterygii species, such as bichirs, gars and sturgeons (http://en.wikipedia.org/wiki/Fish_scale). While elasmoid scales, as the most common scale type, have been found in a large number of teleost fishes. Based on the differences in scale shape, elasmoid scales can be categorized in two types: ctenoid (have a set of fine teeth along the posterior edge) and cycloid (have simply rounded on the outer or posterior edge). In some catfish species, the scales have become modified into bony plate to form an armour. This type of scale is called 'scutes', which is also found in sea horses and pinecone fish.

All fish scales are hypothesized to be evolved from a common ancestral element, the odontode (Sharpe, 2001). This can be easily observed in placoid scales from chondrichthyans. Both placoid scales and vertebrate teeth are composed of enamel, dentine and central pulp, and they are so called dermal denticles. In addition, cosmoid scales are thought derived from the fusion of placoid scales. Ganoid scales are derived from cosmoids. Elasmoid scales, found in most teleost fishes, however, are thought to be derived from a dental origin, and this theory has been proved through structural and developmental studies in zebrafish (Sire and Akimenko, 2004).

Though the morphology of fish scales is well studied, little is known about the genetic basis or molecular control of scale formation. In 1928, Rudzinsky reported that the phenotype of fully covered scale in common carp is dominant over the 'mirror' form (Rudzinsky, 1928a; 1928b).

Kirpichnikov later identified that two loci (S and N), with four alleles, were responsible for scale pattern (Kirpichnikov and Balkashina, 1935). Based on their description, scaled carps have genotype of SS/nn or Ss/nn, leather type carps have genotype of ss/Nn, linear type carps have genotype of SS/Nn or Ss/Nn, scattered carps are ss/nn and lethality with genotype NN/XX (SS, Ss or ss). This 'S' gene was found to be fibroblast growth factor receptor 1, and a duplicate copy of fibroblast growth factor receptor 1 showed decreases in scales formation in zebrafish (Rohner et al., 2009), indicated that this genes is relevant to scale pattern in fish. In medaka and zebrafish, it has been reported that the mutation of ectodysplasin (EDA) or ectodysplasin-A receptor (EDAR) leads to the loss or abnormal scales (Kondo et al., 2001; Harris et al., 2008; Lida et al., 2014). In addition, Sire and Akimenko (2004) indicated that sonic hedgehog molecule and its downstream pathway might be involved in the process of scale morphogenesis and differentiation in zebrafish.

Next generation sequencing and third generation sequencing technologies

Whole genome sequences is crucial for various genomic studies across the life sciences. Large scale whole genome sequencing projects started from "The Human Genome Project", which was declared completion in 2003. After that, with the continuous advances in sequencing technologies, particular the robot development next generation sequencing technologies, a number of genome sequencing projects for model species and non-model species arise. Recently, a 'Genome 10K' (G10K) project is established with the purpose of studying genome sequences of 10,000 vertebrate species. Generally, each one of these species represents for one vertebrate genus. (Genome 10k community of scientists, 2009).

Early on, part of human genome sequencing project was accomplished through Sanger-based capillary sequencing technology. However, recent development of new generation

sequencing technologies (include both the next generation and third generation sequencing technologies) have promised an even faster, more accurate and cheaper strategy. They dominant the market quickly due to its wide application in a variety of studies, including whole genome sequencing, transcriptome sequencing, non-coding RNA sequencing, gene expression studies, epigenetics analysis, and studies of discovering SNPs. With such wide range of potential applications, these new generation sequencing technologies have made major impacts on genomic and genetic studies in all organisms.

Currently, there are three dominant next generation sequencing technologies provided by 454 Roche Applied Science, Illumina, and the Applied Biosystems (Salem, 2012). Though these three technologies utilize different chemistries and sequencing steps, they are capable of generating large amount of data with relative low cost. For example, Roche 454 sequencer output about 0.7 Gb (Gigabase) data per 10-hour run, with the cost of 5,000 dollars. While Illumina Hiseq 2000 sequencer can generate 50-60 Gb data per run, with the cost of 3,000 dollars (Table 1).

454 sequencing system applies parallel pyrosequencing technology. Generally, fragmented and adaptor ligated single strand genomic DNA is bound to beads in the droplet of PCR-reaction-mixture-in-oil emulsion. Each bead captures single DNA sample and then goes through PCR reactions to amplify million copies of a unique DNA template. After that, the beads are evenly distributed into wells with each well contains single bead. One dNTP is then attached to the 3' end of DNA fragment and a pyrophosphate (PPi) group is released from the reaction. This released PPi pyrophosphate group is going to be utilized to synthesize adenosine triphosphate (ATP). This ATP then can be used to convert luciferin to oxyluciferin and release chemiluminescent signals, which will be captured by CCD camera embedded in the sequencer (Rothberg et al., 2008).

Illumina sequencing platforms, however, apply a different sequencing-by-synthesis technology. Briefly, DNA samples are sheared into fragments within the size of 150-200bp. After adding the adapters, single-strand fragments bind to the surface of the flow cell channels and form bridges. Bridge amplification will be initialized and turn into clusters, which consist of several identical copies of the original DNA template. Massively parallel sequencing is conducted simultaneously on millions of clusters to generate billions of nucleotide bases from a single run. Both single read and paired-end sequencing are available by Illumina's sequencing platforms (Figure 2a and 2b).

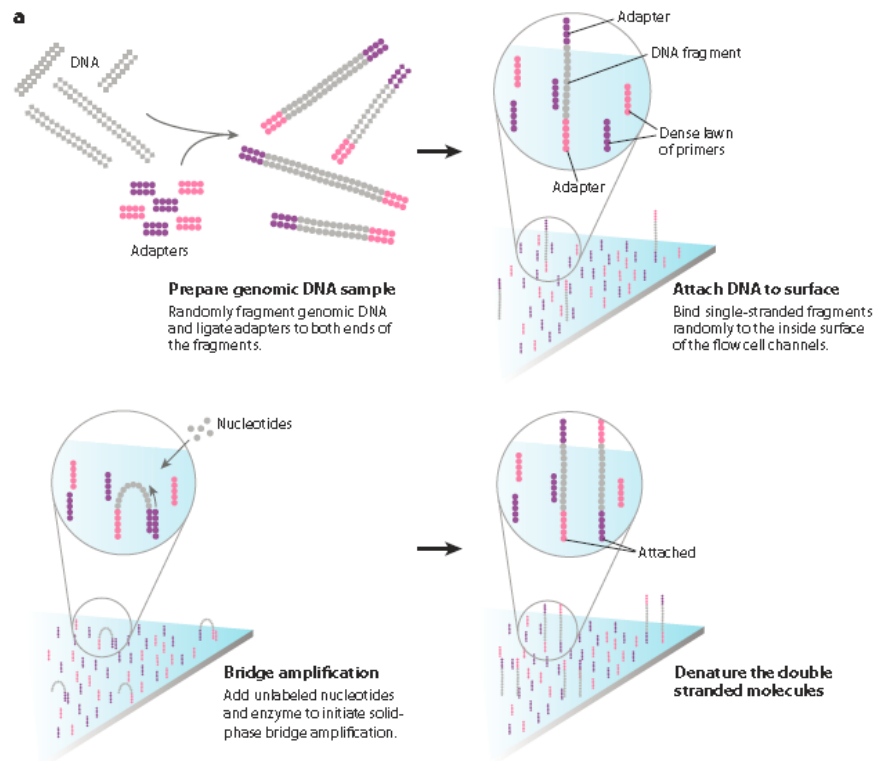


Figure 5a. Workflow of Illumina sequencing technology (Mardis, 2008)

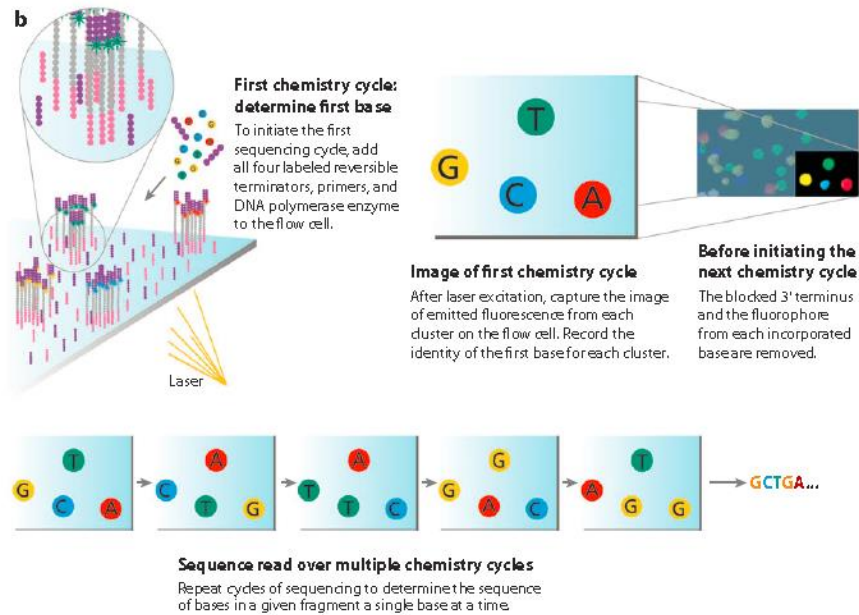


Figure 5b. Workflow of Illumina sequencing technology (Mardis, 2008)

Another major next-generation sequencing platform is SOLiD (Sequencing by Oligonucleotide Ligation and Detection) sequencer, which is developed by Applied Biosystems. In general, two libraries are prepared and sequenced at the same time in single run. Template DNA is amplified through PCR reaction on beads in microreactors. Four sets of probes are ligated to the sequencing primers, which have already hybridized to the universal adapters on the template DNA. In order to distinguish probes from each other, they are fluorescently labeled at first two bases. After multiple cycles, second round of ligation with the start site at n-1 position (http://en.wikipedia.org/wiki/ABI_Solid_Sequencing). As such, each base is sequenced twice by two different sets of primers. This ensures SOLiD is a highly accurate sequencing technology.

SMRT (single molecular real time) sequencing method and Oxford Nanopore sequencing method are two primary third-generation sequencing technologies. SMRT sequencing is a parallel single molecule DNA sequencing technology developed by Pacific Biosciences (Rank et al., 2008). It utilizes the zero-mode waveguide (ZMW) technique. ZMW is a small structure where only one

base of DNA template can be incorporated by DNA polymerase. Fluorescent dyes labelled on tag will be detected during nucleotide incorporation in reaction (http://en.wikipedia.org/wiki/Single_molecule_real_time_sequencing). While Oxford Nanopore sequencing technology is filled with PCR reaction solvent, enzyme and voltage. During the sequencing process, an electric current change can be detected because of molecules passing through the nanopore (Clarke, et al., 2009). The comparison of all new generation technologies are listed in Table 1.

Table 1. Comparison of major new generation sequencing platforms.

	HiSeq 2000	SOLiD	454	Nanopore	Pac Bio
Principles	Sequencing by synthesis	Sequencing by ligation	Pyrosequencing	Exonuclease sequencing	SMRT
Throughput (data/run)	50-60 Gb	120 Gb	0.7 Gb	10 Gb/day	20GB
Cost per Giga base	\$40-60	\$110-130	\$7000	\$10-25	\$7000-38000
Read length	100PE	50+35bp/ 50+50bp	700bp	50-100 kb	3000bp
Read accuracy	99.2%	99.94%	98.9%	99%	85%

Genomic resources of ictalurid catfish

Catfish (*Ictalurus* spp.) is the predominant aquaculture species in the United States, which accounts for over 60% of all U.S. aquaculture production (USDA, 2006). Its production primarily includes channel catfish *Ictalurus punctatus*, blue catfish *Ictalurus furcatus* and their F1 hybrid.

However, the major aquaculture species is channel catfish (Liu, 2011b). As one of the top agriculture production in the southeastern United States, particular in the state of Mississippi, Alabama and Arkansas, over 130 million kilogram of catfish were processed every year, and the value of catfish industry is estimated around two billion dollars (Liu, 2011b).

In order to improve catfish production, several valuable production traits have been targeted in genetic selection programs. These traits include growth rate, feed conversion efficiency, disease resistance, seinability, low oxygen tolerance, temperature tolerance and processing yield (Peatman, 2012). Along with tremendous efforts toward improving the performance of these traits, diverse genomic resources have been developed in the past decade. These genomic resources are useful for better understanding of underlying biological processes of various traits in catfish, and further valuable for other functional genomics studies.

Many efforts of catfish genomic research were devoted to developing polymorphic markers (Liu and Cordes, 2004). In early days, these efforts mainly focused on dominant markers, such as RAPD (Liu et al, 1998a, 1999a) and AFLP (Liu et al., 1998b, 1999b). Later on, as a co-dominant marker, microsatellite markers were applied since 1997, (reviewed by Liu, 2011b; Liu et al, 1999c, 1999d; Tan et al., 1999; Liu et al., 2001; Karsi et al., 2002; Serapion et al., 2004; Xu et al., 2006; Li et al., 2007; Somridhivej et al., 2008; Lamkom et al., 2008; Wang et al., 2010). More recently, single nucleotide polymorphism (SNP) has been become a hot spot for molecular marker development due to its properties of high abundance (one SNP every 1250 bp in human genome), adaption to automation, and high resolution to reveal hidden polymorphisms which other markers cannot detect (Liu and Cordes, 2004; Zhang et al., 2012). As a result of this importance, SNPs development is playing an increasingly important role in catfish genomic research (Zhang et al., 2012). For example, hundreds of thousands SNPs have been explored from ESTs in catfish (He et

al., 2003; Wang et al., 2008, 2010). Most recently, with the development of catfish draft genome sequences, large amount of genome-wide SNPs have been identified Liu et al. (2011a). At the same time, a 250k SNP array was developed to conduct GWAS (genome-wide associate study) projects in catfish (Liu et al., 2014).

In addition to genetic markers, great efforts were made in capturing the catfish transcriptome. For example, about 500,000 catfish ESTs (354,377 from channel catfish and 139,475 from blue catfish) have been developed and submitted to GenBank dbEST (Ju et al., 2000; Cao et al., 2001; Karsiet al., 2002; Kocabas et al., 2002a, b; Nonneman and Waldbieser, 2005; Li et al., 2007; Wang et al., 2010). Depending on these EST resources, well characterized full-length cDNA set of catfish were reported by Chen et al. (2010). Moreover, microarray platforms with 19K and 28K genes were developed and applied for analyzing genes involved in immune responses of channel catfish and blue catfish (Li and Waldbieser, 2006; Peatman et al., 2008). Recently, whole transcriptome shotgun sequencing (RNA-Seq) has been proven as an efficient way to reveal the presence and quantity of transcripts in transcriptome at a given time, and has been well applied in catfish transcriptome studies (Li et al., 2012; Sun et al., 2012; Liu et al., 2013; Wang et al., 2013).

Other genomic resources developed in catfish include BAC end sequences, genetic linkage map, physical map, and the integration of linkage and physical map (Xu et al., 2006, 2007; Kucuktas et al., 2009; Ninwichian et al., 2012). Recently, channel catfish genome was sequenced from a double haploid channel catfish. Coupled with all the genomic resources developed in last decade, a reference catfish genome was assembled and annotated with the total coverage over 200 fold. As a result, channel catfish genome size is around 958 Mbp, and it contains 29,704 genes. Using this reference genome, Jiang et al., conducted whole genome comparative analysis between

channel catfish and four model fish species with fully sequenced genomes. These four fish species include zebrafish, medaka, stickleback and Tetraodon. It is concluded that catfish genome is most similar to the genome of zebrafish rather than other three model fish species.

Blue catfish draft genome sequences (unpublished data) were generated using Illumina's Moleculo sequencing technology. Because catfish share high identity in family ictaluridae, (for example, channel catfish and blue catfish share an average of 98.7% gene sequence identity), channel catfish and blue catfish genome were pooled together and used as reference genome of ictalurid catfish to conduct comparative genome analysis in this study.

Fish genome sequencing projects

Rapid development of sequencing technologies, particular the next generation sequencing, lead to the significant increasing of sequencing capacity and reduction of sequencing cost. Accordingly, whole genome-based analysis for fish species become technically and economically feasible. In table 2, fish species that genomes have been sequenced or currently be in sequencing process are summarized. Apparently, reference genome sequences will become available for more and more fish species in near future, and will be one of the most powerful genomic tools for functional genomics research in fish.

By far, zebrafish reference genome is considered as one of the best fish genome available. Zebrafish is a model organism which have been used for a variety of studies, including vertebrate development, development biology, and some human genetic diseases. Wellcome Trust Sanger Institute started zebrafish genome sequencing project in 2001 and has released several genome assemblies, the latest assembly is Zv9 (Church et al., 2011; Kerstin et al., 2013). Other sequenced or in sequencing projects are summarized below in table 2.

Table 2. Fish genomes that have been sequenced or currently in sequencing process (Data comes from G10K project (Bernardi et al., 2012), NCBI and Ensembl database).

Species	Common name	Publication
<i>Acipenser sinensis</i>	Chinese sturgeon	
<i>Amia calva</i>	Bowfin	
<i>Anguilla anguilla</i>	European freshwater eel	
<i>Aristichthys nobilis</i>	Bighead carp	
<i>Astatotilapia burtoni</i>	Burton's mouthbrooder	
<i>Astyanax mexicanus</i>	Blind cave fish	
<i>Callorhinchus milii</i>	Elephant shark	Venkatesh et al., 2014
<i>Carcharodon carcharias</i>	Great white shark	
<i>Chanecephalus aceratus</i>	Blackfin icefish	
<i>Clupea harengus</i>	Atlantic herring	
<i>Cynoglossus semilaevis</i>	Tongue sole	Chen et al., 2014
<i>Cyprinus carpio</i>	Common carp	Xu et al., 2014
<i>Danio rerio</i>	Zebrafish	Howe et al., 2013
<i>Diaphus dumerilii</i>	Lanternfish	
<i>Dicentrarchus labrax</i>	European Seabass	
<i>Dissostichus mawsoni</i>	Antarctic toothfish	
<i>Eleginops maclovinus</i>	Patagonian blenny	
<i>Epinephelus coioides</i>	Grouper	
<i>Gadus morhua</i>	Atlantic cod	Star et al., 2011
<i>Gasterosteus aculeatus</i>	Three-spined stickleback	Jones et al., 2012
<i>Gobiocypris rarus</i>	Rare gudgeon	
<i>Hippocampus comes</i>	Tiger tail seahorse	
<i>Hoplostethus atlanticus</i>	Orange roughy	
<i>Hypophthalmichthys molitrix</i>	Silver carp	
<i>Ictalurus punctatus</i>	Channel catfish	
<i>Labeotropheus fuelleborni</i>	Blue mbuna	
<i>Lateolabrax japonicus</i>	Japanese seabass	
<i>Latimeria chalumnae</i>	South African coelacanth	

<i>Lepisosteus oculatus</i>	Spotted gar	
<i>Leucoraja erinacea</i>	Little skate	
<i>Maylandia zebra</i>	Zebra mbuna	
<i>Mchenga conophoros</i>	Happy cichlid	
<i>Megalobrama amblycephala</i>	Wuchang bream	
<i>Melanochromis auratus</i>	Golden mbuna	
<i>Mola mola</i>	Sunfish	
<i>Monopterus albus</i>	Finless eel	
<i>Neolamprologus brichardi</i>	Fairy cichlid	
<i>Nothobranchius furzeri</i>	Turquoise killifish	
<i>Oncorhynchus mykiss</i>	Rainbow trout	Berthelot et al., 2014
<i>Oreochromis niloticus</i>	Nile tilapia	
<i>Oryzias latipes</i>	Medaka	Kasahara et al., 2007
<i>Pampus argenteus</i>	Pomfret	
<i>Paralichthys olivaceus</i>	Bastard halibut	
<i>Periophthalmodon schlosseri</i>	Giant mudskipper	
<i>Petromyzon marinus</i>	Sea lamprey	
<i>Polypterus senegalus</i>	Bichir	
<i>Pseudosciaena crocea</i>	Large yellow croaker	
<i>Pundamila nyererei</i>	Nyererei cichlid	
<i>Rhamphochromis esox</i>	Tiger cichlid	
<i>Salmo salar</i>	Atlantic salmon	Davidson et al, 2010
<i>Scleropages formosus</i>	Golden arowana	
<i>Sparus aurata</i>	Gilthead sea bream	
<i>Takifugu rubripes</i>	Fugu	Aparicio et al., 2002
<i>Tetraodon nigroviridis</i>	Freshwater pufferfish	Jaillon et al., 2004
<i>Thunnus albacares</i>	Yellowfin tuna	
<i>Thunnus orientalis</i>	Pacific bluefin tuna	
<i>Xiphophorus maculatus</i>	Platyfish	

III. MATERIALS AND METHODS

Comparative analysis of gene contents between ictalurid catfish and other fish species with sequenced genomes

In order to evaluate the completeness of ictalurid catfish genome, comparative genomic analysis of gene contents were conducted between ictalurid catfish and other fish species. Because zebrafish genome is considered as the most complete reference genome have been released, similar comparative analysis were also conducted between zebrafish and other fish species. By far, there are eleven fish reference genome released in Ensembl database. These fish species include zebrafish (*Danio rerio*), Atlantic cod (*Gadus morhua*), medaka (*Oryzias latipes*), tilapia (*Oreochromis niloticus*), fugu (*Takifugu rubripes*), cave fish (*Astyanax mexicanus*), stickleback (*Gasterosteus aculeatus*), spotted gar (*Lepisosteus oculatus*), coelacanth (*Latimeria chalumnae*), platyfish (*Xiphophorus maculatus*), and tetraodon (*Tetraodon nigroviridis*). Protein datasets of these fish species were downloaded from FTP download server (<http://www.ensembl.org/info/data/ftp/index.html>) in Ensembl. Catfish genes used in this comparative analysis were retrieved from all resources available, including genome sequences, transcripts datasets, and protein datasets. BLASTP program (using protein sequences as queries to blast against protein database), BLASTX program (using nucleotide sequences as queries to blast against protein database) and TBLASTN program (using protein sequences as queries to blast against nucleotide database) were used for comparative genome analysis of gene contents between species. E-value threshold was set as 1e-5. Genes that didn't hit on reference genome were considered as specific genes in query species. Gene names were retrieved from Ensembl database

using

BioMart

program

(<http://useast.ensembl.org/biomart/martview/ba98d7d4183bfbe937efb32275c6e8c4>).

Blast searches can be categorized into four groups (Figure 6). When using zebrafish genes as queries to blast against other fish genomes, ‘no hit’ genes were considered as zebrafish specific genes (categorized as zebrafish+). In contrast, when using genes from other fish species as queries to blast against zebrafish genome, ‘no hit’ genes were considered as query fish specific genes (categorized as zebrafish-). Similarly, When using ictalurid catfish genes as queries to blast against other fish genomes, ‘no hit’ genes were considered as ictalurid catfish specific genes (categorized as catfish+). When using genes from other fish species as queries to blast against ictalurid catfish genes, ‘no hit’ genes were considered as query fish specific genes (categorized as catfish-).

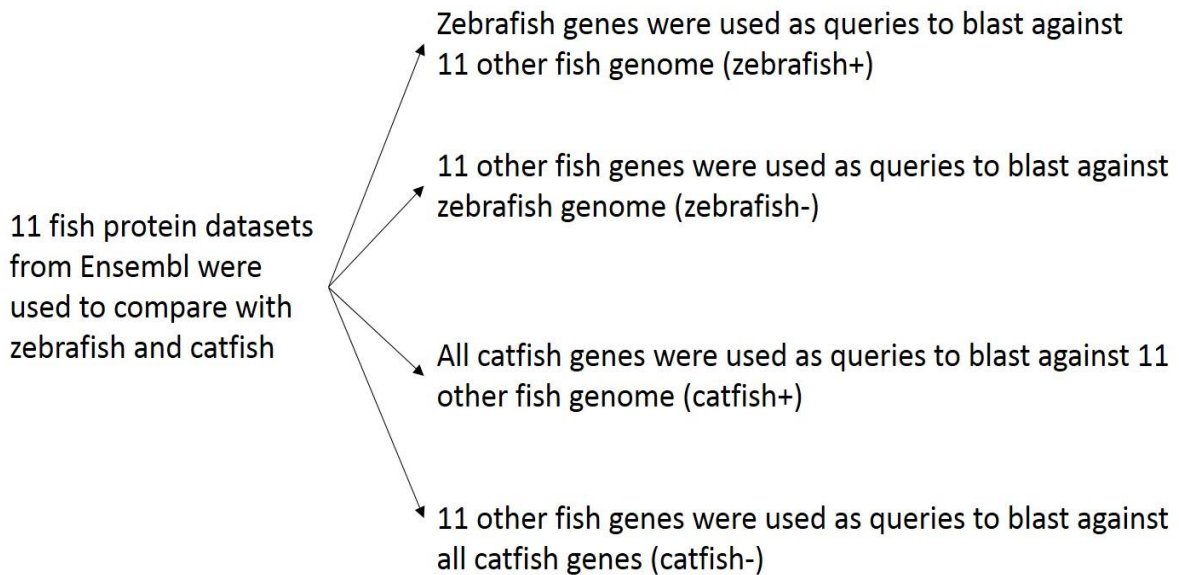


Figure 6. Schematic presentation of gene contents comparative analysis between catfish and other fish species.

Identification of the number of genes specifically present in the species, but absent from any other fish species.

In order to study the distinctiveness of gene contents in each fish species. Comparative genome gene contents analyses were conducted between each fish species and all other fish species genes pool. Take zebrafish as an example, all genes from other eleven fish species (include Atlantic cod, medaka, tilapia, fugu, cave fish, stickleback, spotted gar, coelacanth, platyfish, tetraodon, and ictalurid catfish) were pooled together first. Zebrafish genes were then used as queries to blast against with this genes pool. E-value threshold was set as $1e-5$. ‘No hit’ genes were identified as genes specifically present in zebrafish, but absent from any other fish species. Same method was applied for all other eleven fish species.

Identification of the number of genes specifically present in the species, but absent from other vertebrate species.

In order to study gene contents differences between fish species and other vertebrate species, comparative genomic analysis were conducted between fish species and higher vertebrate species. These higher vertebrate species include human (*Homo sapiens*), mouse (*Mus musculus*), rat (*Rattus norvegicus*), chicken (*Gallus gallus*), cow (*Bos taurus*), pig (*Sus scrofa*), and frog (*Xenopus tropicalis*). The protein database of all these higher vertebrate species were downloaded from Ensembl database and then pooled together. Protein database of each fish species was used as queries to blast against this higher vertebrate genes pool. E-value threshold was set as $1e-5$. ‘No hit’ genes were recognized as genes present in the each fish species but not identified from other higher vertebrate species. After the identification of fish specific genes for each species, total fish

specific genes were calculated through pooling them together and remove redundant genes, and the percentage of each fish species specific genes in total fish-specific genes was calculated.

DNA extraction and genome sequencing of common plecostomus and striped Raphael catfish

One common plecostomus fish with the weight of 14.97 g and length of 11.5 cm, and one striped Raphael catfish with the weight of 7.42 g and 6.8 cm were bought from local pet store. The fish was euthanized with tricaine methanesulfonate (MS-222) at 300mg/L (buffered with sodium bicarbonate) before blood was collected. Blood sample (500 µl for common plecostomus and 200 µl for striped Raphael catfish) was collected in a 1-ml syringe and immediately expelled into a 15-ml tube containing 5ml of cell lysis buffer (100 mM NaCl, 10 mM Tris, pH 8, 25 mM EDTA, 0.5% SDS, and 0.1 mg/ml freshly made proteinase K) for DNA isolation. The blood sample was incubated at 55 °C overnight and DNA was extracted with phenol and chloroform. DNA was precipitated by adding a half volume of 7.5 M ammonium acetate and 2 volume of ethanol. DNA was collected by brief centrifugation, and washed twice with 70% ethanol, air-dried, re-suspended in TE buffer (Tris-HCl, 10 mM, EDTA, 1 mM, pH 7.5), and quantified with a spectrophotometer.

DNA library preparation and genome sequencing process was carried out by HudsonAlpha Genomic Services Lab (Huntsville, AL, USA). Common plecostomus and striped Raphael catfish genome were sequenced in one lane on Illumina HiSeq 2000 instrument with 100bp paired-end (PE) reads, respectively. The major experiment steps were shown in Figure 7.

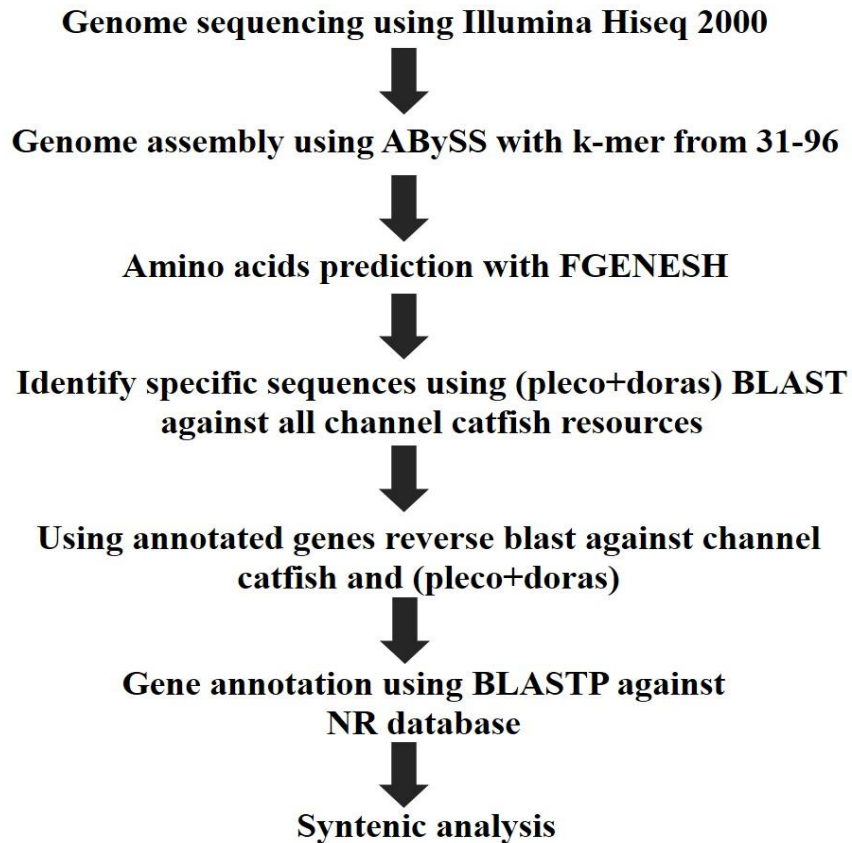


Figure 7. Flow chart of the experiment methods.

Whole genome *de novo* assembly of common plecostomus and striped Raphael catfish

Before assembly, raw sequencing reads were trimmed by removing reads whose quality score less than 20. The resulting high-quality reads were assembled into contigs using *de novo* sequence assembler ABySS (Assembly By Short Sequences) version 1.3.7. Briefly, continuous multiple k-mers were set ranging from 31 to 96 in ABySS. Best assembly will be determined by two major parameters: size of k-mer (chunks of sequences with length k) and N50 (contig length such that 50% of the *de novo* assembled genome lies in blocks of this size or larger). Afterwards, contigs that smaller than 200bp were removed and left sequences were regarded as final non-redundant contigs.

Genome size estimation for common plecostomus and striped Raphael catfish

Genome size of common plecostomus and striped Raphael catfish were estimated by JELLYFISH software (Marcais and Kingsford, 2011) embedded in MaSuRCA assembler. JELLYFISH is a tool for memory-efficient counting of Kmers in DNA. JELLYFISH firstly computed the number of occurrences of each Kmer and then generate a plot of the frequency of multiplicity for Kmers. Genome size was estimated using the total number of one good Kmer divided by the coverage of Kmer.

Gene annotation of common plecostomus and striped Raphael catfish

Open reading frames and amino acids of common plecostomus were predicted using FGENESH program from MOLQUEST (version 2.4) package. The predicted amino acids were further used as queries for BLAST searched against NCBI Non-Redundant (NR) protein sequence database. Annotation were conducted using the BLASTP program with an e-value cut-off of $1e-5$ and matching to the top hits. Unique genes were annotated through removing repeat genes, uncharacterized genes and unnamed genes.

Identification of specific genes in common plecostomus and striped Raphael catfish

With the availability of annotated genes from both channel catfish and two armored catfish, comparative gene contents analysis was able to be conducted in order to identify the specific genes in common plecostomus and striped Raphael catfish. In consideration of increasing sequencing

coverage, genes from common plecostomus and striped Raphael catfish were pooled together to conduct comparative genomic analysis. Genes from common plecostomus and striped Raphael catfish were used as queries to blast against all catfish genomic resources with e-value cut-off of $1e-5$ and matching to the top hits. These resources covered all the catfish datasets available, including several channel catfish genome sequences (from 'XY' catfish, 'YY' catfish and blue catfish), RNA-Seq datasets (almost cover all the tissues in catfish), ESTs, BAC contig specific sequences and BAC end sequences.

However, due to the fact that genome sequences from both channel catfish and two armored catfish may not be complete, particularly for common plecostomus and striped Raphael catfish, it is likely that orthologs in channel catfish and two armored catfish didn't hit each other during blast search because they match different positions of one gene. In such case, genes from NR database got from gene annotation step were used as queries to blast against channel catfish gene database and two armored catfish genes database. 'No hit' sequences were recognized as common plecostomus and striped Raphael catfish specific genes candidates.

Syntenic analysis of armored catfish-specific genes

Conserved synteny was defined as preserved co-localization of genes on chromosomes from different species. Shared syntenies were searched by examining the conserved co-localization of neighboring genes on scaffolds of channel catfish and other model species, such as zebrafish, medaka, frog, etc. Generally, in order to obtain the location information of these channel catfish genes on scaffolds, all identified specific genes in armored catfish were used as queries to search against genomes of other model species in Ensembl database. Neighbor genes on model species were then used as queries to blast against channel catfish genome to locate their orthologs

positions. As long as two sides of neighbor genes were conserved on scaffold of channel catfish genome, it was considered that these genes were located in a highly conserved synteny block.

IV. RESULTS

Generation and *de novo* assembly of whole genome shotgun sequences from common plecostomus and striped Raphael catfish

Comparative genome analysis is a straight-forward and powerful approach for investigating genomic differences among closely related species, and subsequently to better understand the biology features of the these species. With the availability of channel catfish whole genome sequences, it is feasible to conduct comparative genome analysis between channel catfish and other related species to validate the completeness of catfish genome assembly, as well as provide insights into catfish biological characteristics. However, such analysis is highly sensitive to the evolutionary relationships of related species. The shorter evolution distance between two related species, the better comparative analysis can be conducted. As such, I selected two armored catfish species, common plecostomus (*Hypostomus plecostomus*) and striped Raphael catfish (*Platydoras armatulus*) as representatives of related catfish species to conduct comparative genome analysis with channel catfish in order to shed lights into the completeness of channel catfish genome assembly and one significant biological feature of channel catfish, the lack of scales.

In consideration of lower cost and relative higher accuracy, Illumina based genomic DNA sequencing was carried out on common plecostomus and striped Raphael catfish. Genomic DNA was isolated from blood samples of the two armored catfish species. DNA samples were sequenced in one lane each for common plecostomus and striped Raphael catfish using Illumina HiSeq 2000 instrument with 100 bp paired end (PE) reads. As shown in Table 3, a total of 565.11 million and

326.33 million PE reads were generated for common plecostomus and striped Raphael catfish, respectively.

Because reference genomes are lacking in common plecostomus and striped Raphael catfish, *de novo* assembly was performed by de Bruijn assembler ABySS. To obtain an assembly that is of high quality, continuous multiple Kmers were tested from 31 to 96. As shown in Figure 8, initially, N50 increased with the increases of Kmers. When the Kmer increased to 58, the maximum of N50 was achieved (Figure 8). Therefore, Kmer of 58 was used for the sequence assembly of common plecostomus. Similarly, Kmer of 61 was optimal for Doras, which was used for sequence assembly of striped Raphael catfish (Figure 9).

The characteristics of the assembly for the genomes of the two catfish species are summarized in Table 3. With the common plecostomus genome, a total of 472,063 contigs with length over 200 bp were assembled. Three important statistics for the assessment of contiguity N50, N80, and N90 are 4,151 bp, 1,798 bp, and 1,113 bp, respectively. The average contig size is 2,156 bp and the maximum contig length is 78,410 bp. There are 68,329 contigs were longer than N50 size, thus longer than 4,151 bp.

In striped Raphael catfish, a total of 381,982 contigs with length over 200 bp were assembled. The N50, N80, and N90 of genome assembly are 4,413 bp, 1,788 bp, and 1,045 bp, respectively. The average contig size is 2,086 bp and the maximum contig length is 60,580 bp. Of the total 381,982 contigs, there are 50,774 contigs with length longer than N50 size.

Table 3. Summary of genomic sequencing and assembly of common plecostomus (Pleco) and striped Raphael catfish (Doras). *Genome sequence coverages are based on estimated genome sizes of 1.1 Gb and 0.8 Gb for Pleco and Doras, respectively using MaSuRCA (see below)

	Pleco	Doras
Sequencing reads	565.11 million	326.33 million
Estimated sequencing coverage*	~50 fold	~40 fold
Contig number over 200 bp	472,063	381,982
N:N50	68,329	50,774
N50 (bp)	4,151	4,413
N80 (bp)	1,798	1,788
N90 (bp)	1,113	1,045
Max (bp)	78,410	60,580
Average length (bp)	2,156	2,086

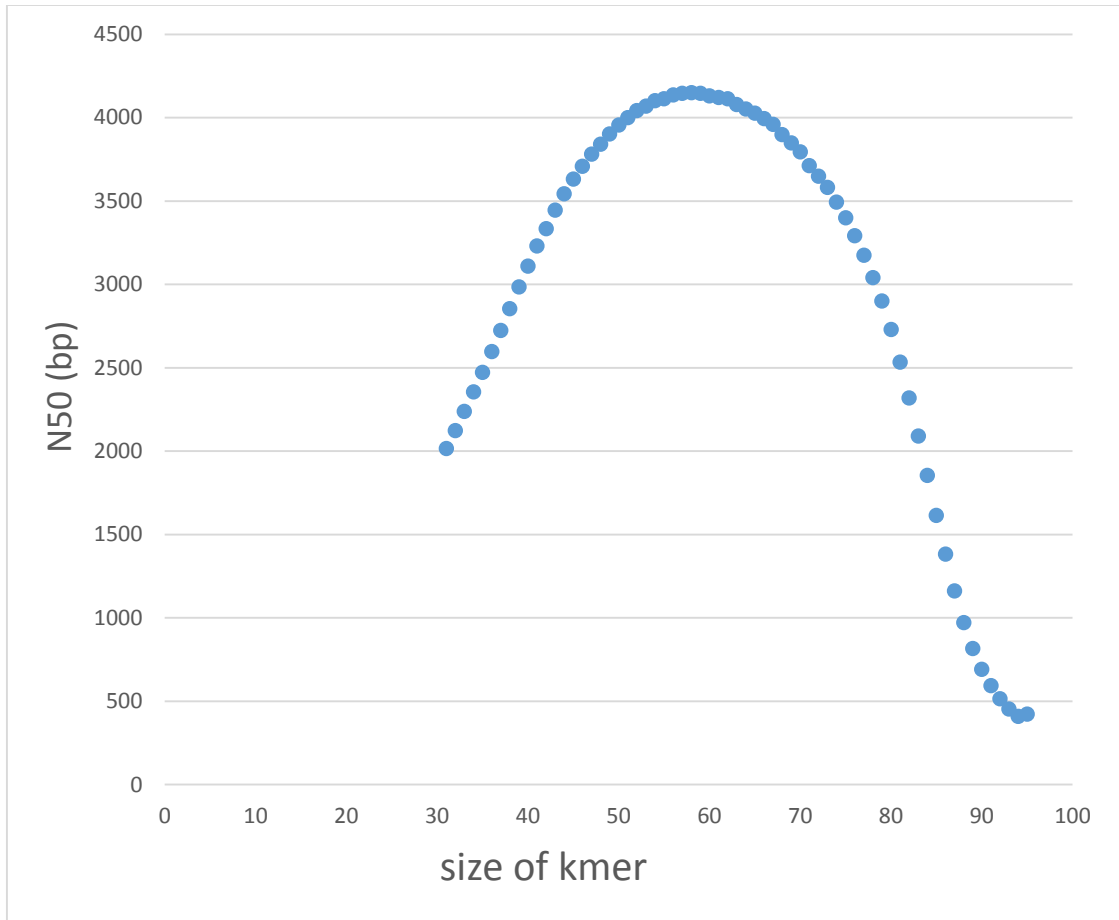


Figure 8. Determination of optimal Kmer for the assembly of whole genome sequences of common plecostomus. X-axis is the size of K-mer, and Y-axis is N50 size of the assembly.

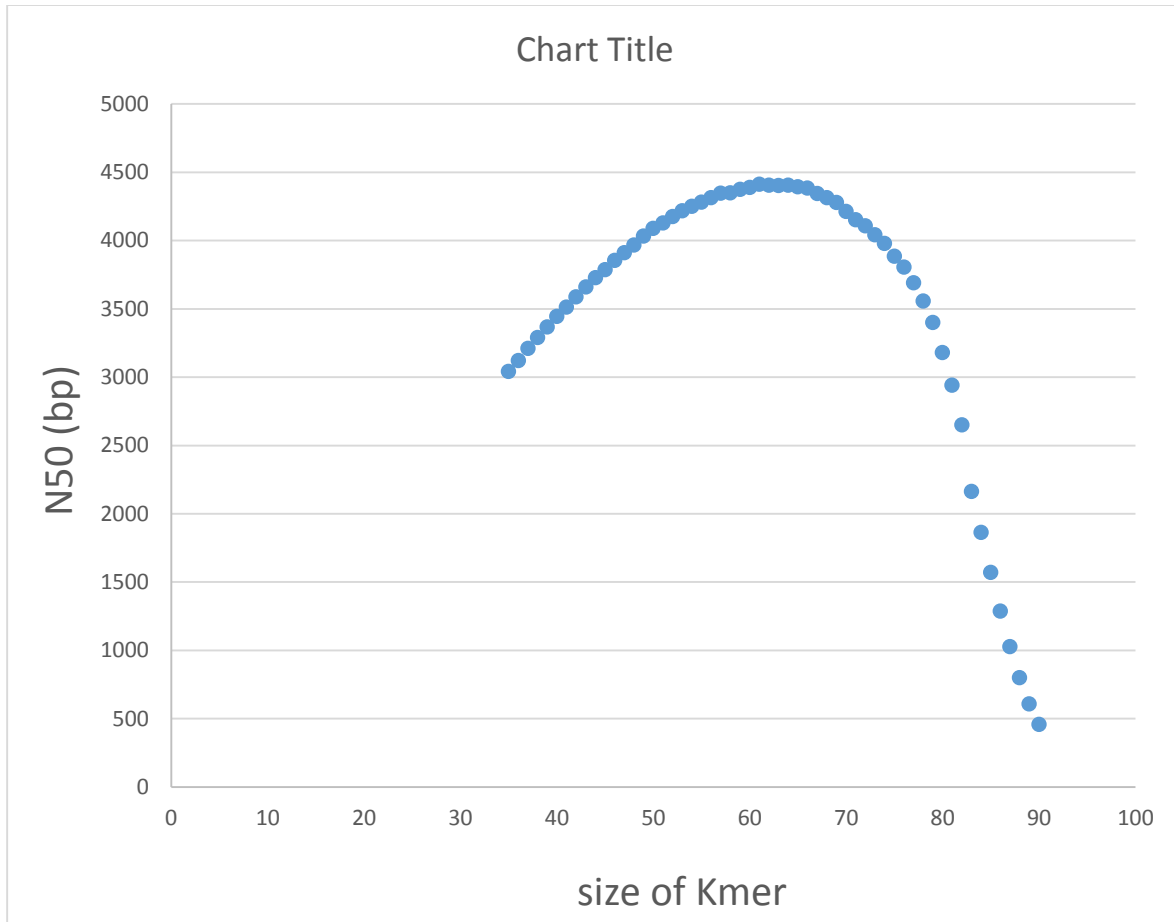


Figure 9. Determination of optimal Kmer for the assembly of whole genome sequences of common Doras. X-axis is the size of Kmer, and Y-axis is N50 size of the assembly.

Estimation of genome size of common plecostomus and striped Raphael catfish

In order to calculate sequencing coverage for common plecostomus and striped Raphael catfish, genome size of two species need to be estimated first. Software JELLYFISH estimated the genome size from the Kmer coverage and total number of non-error Kmers. In common plecostomus, the genome size is estimated as 1.1 Gb. The genome size of striped Raphael catfish is estimated as 0.8 Gb. Since the yield of two sequencing are 565.11 million reads and 326.33 million reads, the sequencing coverage for common plecostomus and striped Raphael catfish are around 50 fold and 40 fold, respectively.

Genome annotation of common plecostomus and striped Raphael catfish

Open reading frames and amino acids were predicted using FGENESH program from whole genome sequences of common plecostomus and striped Raphael catfish. The predicted amino acids were then further used as queries for BLAST searches against NCBI non-redundant (NR) protein sequence database. Searches were conducted using the BLASTP program with an E-value cut-off of $1e-5$, and matches to the top hit were recorded. A total of 40,640 and 35,118 unique NR IDs were identified in common plecostomus and striped Raphael catfish genome, respectively. Retrieving of these NR IDs indicate there are many redundant genes in the database. After removing the repeated genes, uncharacterized genes, and unnamed genes, a total of 28,122 unique genes (listed in Supplemental Table 1) were annotated in common plecostomus and 26,190 unique genes in striped Raphael catfish (listed in Supplemental Table 2).

Comparative analysis of gene contents between ictalurid catfish and other fish species with sequenced genomes

Although sequence assembly parameters provide a general picture of the quality of sequencing assemblies, the completeness of the genome sequences cannot be easily assessed. In order to provide insights into the completeness of the ictalurid catfish genome sequence assembly and related genome resources, comparative analysis of gene contents was conducted between ictalurid catfish and other fish species with sequenced genomes.

Twelve fish genomes were analyzed for their gene contents. These included zebrafish, Atlantic cod, medaka, tilapia, fugu, cave fish, stickleback, spotted gar, coelacanth, platyfish,

tetraodon, and channel catfish (Table 4). Among these, the genomes of seven species have been published including zebrafish (Howe et al., 2013), Atlantic cod (Star et al., 2011), medaka (Kasahara et al., 2007), tilapia (Guyon et al., 2012), fugu (Aparicio et al., 2002), stickleback (Jones et al., 2012), and tetraodon (Jaillon et al., 2004), and these genomes, as well as the remaining 4 genomes were available from the ENSEMBL database. Coding sequences from these eleven fish species were retrieved from the ENSEMBL database and used for analysis of gene contents. Coding sequences of ictalurid catfish were obtained through analysis of the ictalurid catfish whole genome sequence assembly, its transcriptome assemblies and its protein database.

As summarized in Table 4, total gene numbers were identified from database of twelve fish species. In eleven fish species retrieved from ENSEMBL database, zebrafish genome contains the largest gene number of 26,450, while fugu has the smallest number of genes, with only 16,958 genes retrieved from its database. A total 29,704 genes were identified from all ictalurid catfish genomic resources.

Table 4. Total gene numbers of twelve fish species used in comparative genome analysis

Species	Database version	Number of genes identified from the genomes
Zebrafish	Zv9	26,450
Atlantic Cod	v1.75	20,095
Medaka	v1.75	19,699
Tilapia	v1.0.75	21,437
Fugu	v4.75	16,958
Cave fish	v102.75	23,042
Stickleback	v1.75	20,787
Spotted gar	v1.75	18,341
Coelacanth	v1.75	19,569

Platyfish	v4.4.2.75	20,379
Tetraodon	v8.75	19,602
Catfish	-	29,704

To assess the completeness of the ictalurid catfish genome, one approach is to determine the number of genes identified from the genome sequence assembly and related genome resources. Because the zebrafish genome has been regarded as “complete” with nine versions of assemblies (Howe et al., 2013), here I compared the gene contents of various fish species with those of zebrafish. In the first step of this analysis, the zebrafish protein sequences were used as queries to conduct BLASTP analysis. If homologous sequences exist in the genomes of other fish species, “hits” were generated. In contrast, if no hits were observed, the zebrafish protein sequences were regarded as being present in zebrafish, but absent in the fish genome under comparison (zebrafish+, genes were listed in supplemental Table 3). Conversely, I also conducted BLASTP analysis using protein sequences from various fish species as queries against the zebrafish protein database. If hits were observed, the proteins were regarded being present in the zebrafish genome. If the hits were not observed, the proteins were regarded being absent from the zebrafish genome (zebrafish-, genes were listed in supplemental Table 4).

Table 5 listed the number and percentage of genes present in zebrafish, but absent from other fish species (zebrafish+). Through the comparison, the number of genes “missing” from other fish species as compared to zebrafish varied from 780 to 2,594. Compared with the zebrafish genome, the channel catfish genome ‘missed’ the smallest number of genes (780, 2.95% of zebrafish genes) followed by cave fish (1,195, 4.52% of zebrafish genes), spotted gar (1,386, 5.24% of zebrafish genes), and platyfish (1,455, 5.5% of zebrafish genes). Fugu (2,407, 9.81% of

zebrafish genes) and tetraodon (2,436, 9.21% of zebrafish genes) missed the largest number of genes.

It should be noted that the numbers of genes present in the zebrafish genome but absent from the genomes of other fish is a variable affected by a number of factors. Such factors could be related to the completeness of the genome as well as the evolutionary relationship of the fish species. In general, the more completed the genomes are, the smaller the number of zebrafish+ genes should be. Similarly, assuming the genomes were complete, the more closely related the fish is to zebrafish in evolution, the smaller the number of zebrafish+ genes should be. However, it is apparent that many genomes were incomplete, and therefore, around 1,000~2,000 genes were missed from these fish genome database. Obviously, the completeness of ictalurid catfish genome is relatively closely related to zebrafish. In this comparison, 780 zebrafish+ genes were found for the ictalurid catfish, the smallest number among all the genomes analyzed. This suggested that the ictalurid catfish genome could be relatively more complete.

Table 5. Number and percentage of genes present in zebrafish, but absent in other fish species.

Species	Genes present in the zebrafish genome but not (yet) identified in the species	% “missing”
Atlantic Cod	1,985	7.50%
Medaka	2,153	8.14%
Tilapia	1,613	6.10%
Fugu	2,594	9.81%
Cave fish	1,195	4.52%
Stickleback	1,877	7.10%
Spotted gar	1,386	5.24%
Coelacanth	2,021	7.64%

Platyfish	1,455	5.50%
Tetraodon	2,436	9.21%
Catfish	780	2.95%

In the second step of this analysis, the catfish genes were used as queries to conduct genome comparative analysis. Similar with zebrafish BLAST search, “hits” were generated if homologous sequences exist in the genomes of other fish species. In contrast, if no hits were observed, the ictalurid catfish genes were regarded as being present in ictalurid catfish, but absent in other fish genome under comparison (catfish+, genes were listed in supplemental Table 5). BLAST analysis were also conducted using protein sequences from various fish species as queries against the catfish protein database. If hits were observed, the genes were regarded being present in the ictalurid catfish genome. If the hits were not observed, the genes were regarded being absent from the ictalurid catfish genome (catfish-, genes were listed in supplemental Table 6).

As shown in Table 6, the number of genes that identified from the ictalurid catfish genome but not from the genome of other species (catfish+) varied from 987 (zebrafish) to 2,738 (tetraodon). Compared with the ictalurid catfish genome, the zebrafish genome ‘missed’ the smallest number of genes (987) followed by cave fish (1,537), spotted gar (1,559), platyfish (1,853), and tilapia (1,882). Number of genes absent in ictalurid catfish but found in other fish genomes (catfish-) were all much less than ‘catfish+’ numbers. Apparently, the true number of gene contents is unknown at present as we do not know the completeness of these genome assemblies. However, such comparative genome analysis could indicate that the ictalurid catfish genome sequences is as complete as zebrafish, and much more complete than genomes from other ten fish species.

Table 6. Comparison of gene contents among fish species. ‘+’ indicates to use sequences of corresponding species as queries in blast; ‘-’ indicates to use sequences of corresponding species as references in blast

Species	zebrafish+	zebrafish-	catfish+	catfish-
Catfish	780	987		
Zebrafish			987	780
Cave fish	1195	371	1537	302
Spotted gar	1386	588	1559	397
Platyfish	1455	387	1853	339
Tilapia	1613	368	1882	324
Stickleback	1877	1210	2146	1054
Coelacanth	2021	1090	2321	583
Medaka	2153	1403	2349	1174
Atlantic Cod	1985	818	2391	720
Fugu	2594	108	2656	100
Tetraodon	2436	410	2738	388

Identification of the number of genes specifically present in the species, but absent from any other fish species.

In order to study the distinctiveness of gene contents in each fish species, comparative genome analysis were conducted between each fish species and all other fish species gene pool (All these genes were listed in supplemental Table 7). As shown in Table 7, medaka possesses the largest number of specific genes (838) in comparison with other fish species, followed by zebrafish (650), stickleback (648) and ictalurid catfish (481). Fugu (15) and platyfish (83) have least number of specific genes. It should be noted that the numbers of genes specifically present in fish species but absent from all other fish species is affected by the two factors. These two factors are the

completeness of the genome and the evolutionary relationship of the fish species. In general, the more completed the genomes are, the larger number of fish species specific genes identified. Similarly, assuming the genomes were complete, the more fish species evolutionary distantly related to all other fishes, the greater number of genes that are present in the fish species but absent from other species.

Table 7. Number of genes specifically present in the species, but not identified from any other fish.

Species	Number of genes specifically present in the species, but not identified from any other teleost fish in the species
Medaka	838
Zebrafish	650
Stickleback	648
Catfish	481
Coelacanth	379
Atlantic Cod	374
Tetraodon	208
Spotted gar	182
Tilapia	145
Cave fish	124
Platyfish	83
Fugu	15

Identification of the number of genes specifically present in the species, but absent from other vertebrate species.

In order to study fish specific genes, comparative genome analysis were conducted between fish species and other vertebrate species. Seven vertebrate coding sequences database were pooled together as reference in this analysis, including human (*Homo sapiens*), mouse (*Mus musculus*), rat (*Rattus norvegicus*), chicken (*Gallus gallus*), cow (*Bos taurus*), pig (*Sus scrofa*), and frog (*Xenopus tropicalis*). ‘No hit’ genes were recognized as genes present in the each fish species but not identified from other higher vertebrate species. In the first step, specific genes for each fish species were identified, pooled together and removed redundant genes. As a result, a total of 6,644 genes were identified as genes present in twelve fish species but absent in seven higher vertebrate species. After this, percentage of fish specific genes in total fish specific genes was calculated. As shown in Table 8, medaka (1691), ictalurid catfish (1650), zebrafish (1519) and stickleback (1450) have most fish specific genes in comparison with other vertebrates. While fugu (96), tetraodon (467) and spotted gar (493) were top three species with least specific genes compared with other vertebrates. Completeness of genome, evolutionary relationships between species and higher vertebrates, as well as genome duplication condition could be the reasons lead to the results.

Table 8. Number of genes specifically present in the species, but not identified from higher vertebrate species.

Species	Number of genes present in the fish species, but not identified from organisms other than teleost fish in the species	% of total fish-specific genes identified from the species (6,644 total fish specific genes)
Zebrafish	1519	22.86%
Atlantic Cod	1052	15.83%
Medaka	1691	25.45%

Tilapia	539	8.11%
Fugu	96	1.44%
Cave fish	614	9.24%
Stickleback	1450	21.82%
Spotted gar	493	7.42%
Coelacanth	619	9.32%
Platyfish	570	8.58%
Tetraodon	467	7.03%
Catfish	1650	24.83%

Comparative gene contents analysis between two armored catfish and channel catfish

Comparative genome analysis is a powerful approach in genomics studies, especially when it is conducted among species with close evolutionary relationships. As such, in my dissertation, two armored catfish species, common plecostomus (*Hypostomus plecostomus*) and striped Raphael catfish (*Platydoras armatulus*) were selected to conduct comparative genome analysis with ictalurid catfish.

All armored catfish genome sequences were first filtered with ictalurid catfish gene database. As shown in Figure 10, there are 566 genes and 329 genes left in common plecostomus and striped Raphael catfish genome. Through reverse blast search, 116 genes and 117 genes were left in common plecostomus and striped Raphael catfish, respectively. 23 and 26 repetitive elements were removed from genes left. As listed in table 9, after filtering through all ictalurid catfish genomic resources and reverse blast search, a total of 167 genes were identified as armored catfish-specific genes. Among these, 93 genes were found from common plecostomus (listed in supplemental table 9) genome assembly, and 91 genes were found from striped Raphael catfish genome (supplemental table 10). There are 17 genes overlap in both databases. Gene functions

were described in table 3. Of these 167 genes, 11 gene functions can be searched based on their identities.

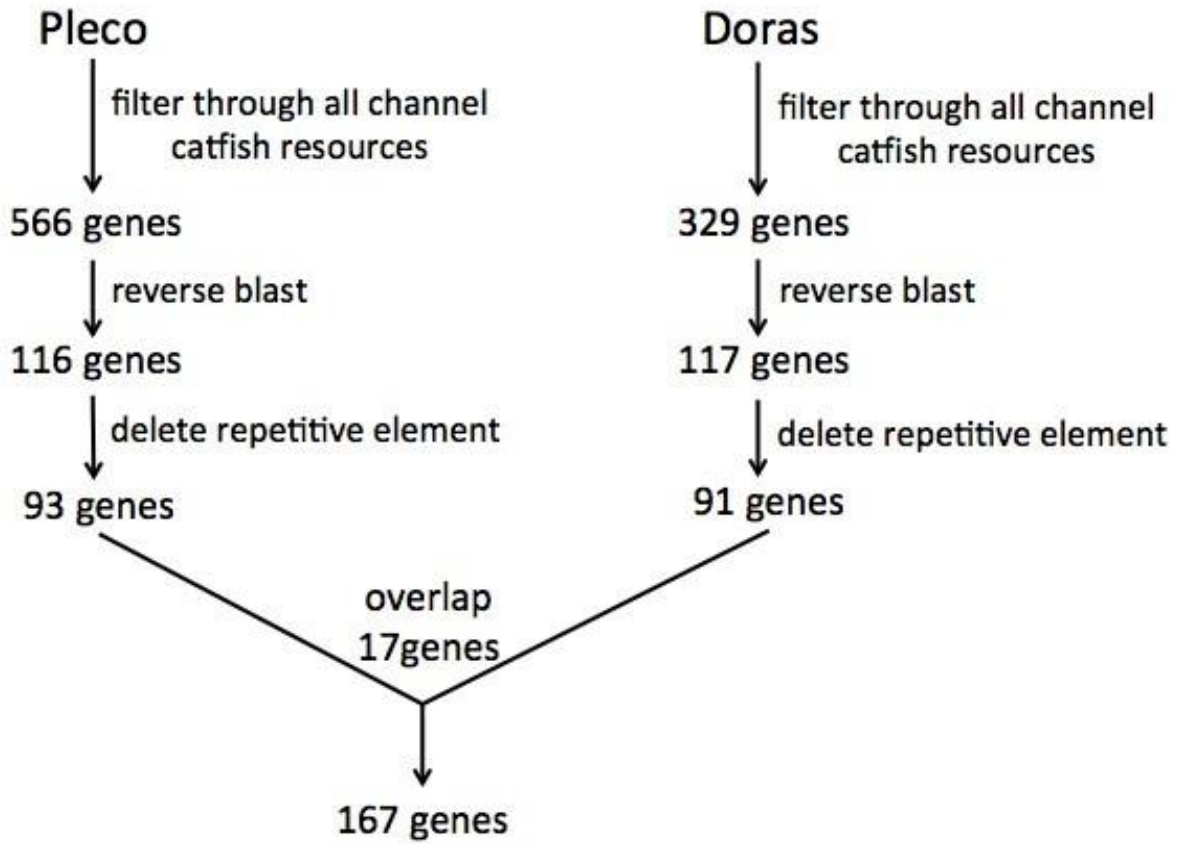


Figure 10. Pipeline for identification the specific genes in common plecostomus and striped Raphael catfish. ‘Pleco’ is short name for common plecostomus. ‘Doras’ is short name for striped Raphael catfish.

Table 9. Armored catfish-specific genes. ‘P’ indicates genes were identified from common plecostomus genome. ‘D’ indicates genes were identified from striped Raphael catfish genome database.

Access number	Gene name	Database	Highly conserved	Function
XP_005285763.1	Fibrous sheath-interacting protein 2-like, partial	P	No	Interact with fibrous sheath protein, and play a role in the regulation of sperm motility
EGI69315.1	FLJ37770-like protein	D	No	
XP_002010947.1	Gi21425	D	No	
XP_002022319.1	GI24331	D	No	
XP_003702583.1	Histone-lysine N-methyltransferase SETMAR-like	D	No	Binds DNA and functions in DNA repair activities including non-homologous end joining and double strand break repair.
EMC77429.1	Hypothetical protein A306_15251	D	No	
XP_002599221.1	Hypothetical protein BRAFLDRAFT_64428	P	No	
XP_002588275.1	Hypothetical protein BRAFLDRAFT_86723	P	No	
XP_002610779.1	Hypothetical protein BRAFLDRAFT_91571	P	No	
EKC32039.1	Hypothetical protein CGI_10009074	D	No	
EKC28956.1	Hypothetical protein CGI_10011829	D	No	
EFN60894.1	Hypothetical protein EAG_00507	D	No	
EFN72876.1	Hypothetical protein EAG_01351	D	No	
EFN62518.1	Hypothetical protein EAG_03659	D	No	
EFN81575.1	Hypothetical protein EAI_17384	P	No	
ESO90461.1	Hypothetical protein LOTGIDRAFT_164040	D	No	

ESO96648.1	Hypothetical protein LOTGIDRAFT_176575, partial	P	No	
EFZ10176.1	Hypothetical protein SINV_07528	D	No	
CAN80132.1	Hypothetical protein VITISV_012031	P	No	
XP_003200708.2	Interphotoreceptor matrix proteoglycan 1	P	Figure 9	Play a role in maintaining viability of photoreceptor cells and in adhesion of the neural retina to the retinal pigment epithelium.
AAI55298.1	LOC567658 protein	D	No	
XP_005444343.1	Low quality protein: SURP and G-patch domain-containing protein 2	P	No	Functions in mRNA processing.
XP_002660934.3	Mucin-17	P	No	Function in epithelial cells to provide cytoprotection, maintain luminal structure, provide signal transduction, and confer antiadhesive properties upon cancer cells that lose their apical/basal polarization.
NP_001070846.1	Nuclear-interacting partner of ALK	P	No	Essential component of an SCF-type E3 ligase complex, SCF(NIPA), a complex that controls mitotic entry by mediating ubiquitination and subsequent degradation of cyclin B1 (CCNB1).
XP_002664707.1	Osteocrin-like	P	Figure 10	Appears to modulate osteoblastic differentiation. Could also function as an autocrine and paracrine factor linked to glucose metabolism in skeletal muscle.
XP_005159312.1	Protein FAM118B-like isoform X2	P	No	
XP_005144679.1	Protein NYNRIN-like	D	No	The gene encoding this protein may have arisen from the fusion of a cellular gene with retroviral sequences prior to the marsupial-eutherian split.
XP_005162407.1	Protein pitchfork	P	Figure 30	During primary cilia disassembly, involved in cilia disassembly. Pifo is expressed in regions of high Shh signaling in the mouse embryo, is activated by Shh agonist and

				suppressed by Shh antagonist in cell culture, suggesting that Pifo is a Shh target gene and might function in the Shh signaling pathway.
XP_005185045.1	Putative protein FAM200B-like	P		
NP_001138258.1	Si:ch1073-126c3.2 precursor	P+D	Figure 11	
XP_005406112.1	Tigger transposable element-derived protein 1-like	P+D	No	
XP_005297682.1	Uncharacterized protein c7orf62 homolog isoform X1	P	No	
XP_001346181.4	Uncharacterized protein LOC100007824	D	No	
XP_001919415.4	Uncharacterized protein LOC100150811	P	No	
XP_002666059.3	Uncharacterized protein LOC100321895 isoform X1	P	No	
XP_002660836.2	Uncharacterized protein LOC100331996	P	No	
XP_002660539.3	Uncharacterized protein LOC100333395	P	Figure 12	
XP_003201665.2	Uncharacterized protein LOC100334312	D	No	
XP_003198905.2	Uncharacterized protein LOC100334579	D	No	
XP_002942726.1	Uncharacterized protein LOC100495238	P	Figure 13	
XP_004911565.1	Uncharacterized protein LOC100495766	P	No	
XP_003201716.2	Uncharacterized protein LOC100535622	D	No	
XP_003199320.1	Uncharacterized protein LOC100535760	D	Figure 14	
XP_003201661.2	Uncharacterized protein LOC100536045, partial	P+D	No	
XP_003197667.2	Uncharacterized protein LOC100536200	D	Figure 15	
XP_005172124.1	Uncharacterized protein LOC100538256 isoform X2	D	No	
XP_005464324.1	Uncharacterized protein LOC100690966	P	No	

XP_005458780.1	Uncharacterized protein LOC100694271 isoform X1	D	No	
XP_005459292.1	Uncharacterized protein LOC100695424, partial	D	No	
XP_003455601.1	Uncharacterized protein LOC100695605, partial	P+D	No	
XP_005459180.1	Uncharacterized protein LOC100697633 isoform X2	P	No	
XP_005461414.1	Uncharacterized protein LOC100697908	D	No	
XP_003460529.2	Uncharacterized protein LOC100710209, partial	D	No	
XP_003725871.1	Uncharacterized protein LOC100888095	P	No	
XP_003731558.1	Uncharacterized protein LOC100890838	P	No	
XP_003730144.1	Uncharacterized protein LOC100893101	P	No	
XP_003977182.1	Uncharacterized protein LOC101061985, partial	D	No	
XP_003979988.1	Uncharacterized protein LOC101078511, partial	P+D	No	
XP_003979164.1	Uncharacterized protein LOC101078810, partial	D	No	
XP_004084355.1	Uncharacterized protein LOC101155079	D	No	
XP_004077796.1	Uncharacterized protein LOC101155955	P	No	
XP_004085620.1	Uncharacterized protein LOC101158825, partial	D	No	
XP_004084452.1	Uncharacterized protein LOC101163949	D	No	
XP_004085643.1	Uncharacterized protein LOC101166850, partial	D	No	
XP_004084328.1	Uncharacterized protein LOC101166927	D	No	
XP_004084533.1	Uncharacterized protein LOC101167511	D	No	
XP_004084392.1	Uncharacterized protein LOC101168263	P+D	No	
XP_004076578.1	Uncharacterized protein LOC101168728	P	No	
XP_004085317.1	Uncharacterized protein LOC101169087, partial	P	No	

XP_004067907.1	Uncharacterized protein LOC101171652	D	No	
XP_004084412.1	Uncharacterized protein LOC101174556	D	No	
XP_004211073.1	Uncharacterized protein LOC101234846	P	No	
XP_004209452.1	Uncharacterized protein LOC101235045	P	No	
XP_004570409.1	Uncharacterized protein LOC101464196	P+D	No	
XP_004571626.1	Uncharacterized protein LOC101465447	P+D	No	
XP_004566699.1	Uncharacterized protein LOC101472502	D	No	
XP_004544770.1	Uncharacterized protein LOC101474083	P	No	
XP_004575931.1	Uncharacterized protein LOC101476038	P+D	No	
XP_004574934.1	Uncharacterized protein LOC101477648	D	No	
XP_004554742.1	Uncharacterized protein LOC101482043	D	No	
XP_004539942.1	Uncharacterized protein LOC101482357	P	No	
XP_004539419.1	Uncharacterized protein LOC101486546	P	No	
XP_004916538.1	Uncharacterized protein LOC101731054	P	No	
XP_004913647.1	Uncharacterized protein LOC101731862, partial	P+D	Figure 16	
XP_004916159.1	Uncharacterized protein LOC101733180, partial	P	No	
XP_004910717.1	Uncharacterized protein LOC101733380, partial	P	No	
XP_004914719.1	Uncharacterized protein LOC101733949, partial	P+D	No	
XP_005168213.1	Uncharacterized protein LOC101882066	D	No	
XP_005172587.1	Uncharacterized protein LOC101882148	D	Figure 17	
XP_005167252.1	Uncharacterized protein LOC101882414	D	No	
XP_005163580.1	Uncharacterized protein LOC101882486	D	Figure 18	

XP_005169642.1	Uncharacterized protein LOC101882694	P	No	
XP_005157327.1	Uncharacterized protein LOC101882844	D	No	
XP_005157328.1	Uncharacterized protein LOC101882906	D	No	
XP_005171540.1	Uncharacterized protein LOC101883033 isoform X1	D	Figure 19	
XP_005166190.1	Uncharacterized protein LOC101883128	P	Figure 20	
XP_005156050.1	Uncharacterized protein LOC101883144	P	No	
XP_005159218.1	Uncharacterized protein LOC101883233	P	Figure 21	
XP_005171702.1	Uncharacterized protein LOC101883359 isoform X1	P+D	Figure 22	
XP_005170255.1	Uncharacterized protein LOC101883544	P	Figure 23	
XP_005165049.1	Uncharacterized protein LOC101883556	P		
XP_005160479.1	Uncharacterized protein LOC101883788	P	Figure 24	
XP_005173216.1	Uncharacterized protein LOC101884034	D	Figure 25	
XP_005168106.1	Uncharacterized protein LOC101884080	P	No	
XP_005168267.1	Uncharacterized protein LOC101884117	D	No	
XP_005174514.1	Uncharacterized protein LOC101884145	D	No	
XP_005163145.1	Uncharacterized protein LOC101884312 isoform X1	D	Figure 26	
XP_005167166.1	Uncharacterized protein LOC101884444	P	No	
XP_005161550.1	Uncharacterized protein LOC101884487	D	No	
XP_005172217.1	Uncharacterized protein LOC101884770	D	No	
XP_005160572.1	Uncharacterized protein LOC101884906	D	No	
XP_005172977.1	Uncharacterized protein LOC101885221	D	No	
XP_005164974.1	Uncharacterized protein LOC101885531	D	No	

XP_005170172.1	Uncharacterized protein LOC101885753	P	No	
XP_005166303.1	Uncharacterized protein LOC101885889	P	No	
XP_005165647.1	Uncharacterized protein LOC101886080	D	No	
XP_005157286.1	Uncharacterized protein LOC101886835	D	No	
XP_005232451.1	Uncharacterized protein LOC101920103	P	No	
XP_005294278.1	Uncharacterized protein LOC101930828	P	No	
XP_005456598.1	Uncharacterized protein LOC102075694	P	No	
XP_005475955.1	Uncharacterized protein LOC102075856	D	Figure 27	
XP_005476618.1	Uncharacterized protein LOC102075859	D	No	
XP_005462325.1	Uncharacterized protein LOC102075860	D	No	
XP_005450152.1	Uncharacterized protein LOC102076141	P+D	No	
XP_005475589.1	Uncharacterized protein LOC102076972 isoform X1	P+D	No	
XP_005452781.1	Uncharacterized protein LOC102077212 isoform X1	P	No	
XP_005465042.1	Uncharacterized protein LOC102077517	P+D	No	
XP_005463564.1	Uncharacterized protein LOC102077902	P	No	
XP_005477927.1	Uncharacterized protein LOC102078008	D	No	
XP_005470188.1	Uncharacterized protein LOC102078060	P	No	
XP_005466727.1	Uncharacterized protein LOC102078153, partial	P	No	
XP_005453731.1	Uncharacterized protein LOC102078893	D	No	
XP_005459247.1	Uncharacterized protein LOC102079909	P	No	
XP_005460634.1	Uncharacterized protein LOC102080148 isoform X1	P	No	

XP_005460636.1	Uncharacterized protein LOC102080148 isoform X3	P	No	
XP_005462235.1	Uncharacterized protein LOC102080651	D	No	
XP_005460658.1	Uncharacterized protein LOC102082911	P	No	
XP_005465326.1	Uncharacterized protein LOC102083239	D	No	
XP_005742392.1	Uncharacterized protein LOC102192331	D	No	
XP_005755453.1	Uncharacterized protein LOC102197285, partial	P+D	No	
XP_005742081.1	Uncharacterized protein LOC102206014	P+D	No	
XP_005752635.1	Uncharacterized protein LOC102207220	P	No	
XP_005754710.1	Uncharacterized protein LOC102210904	P	No	
XP_005754419.1	Uncharacterized protein LOC102214224	D	No	
XP_005809077.1	Uncharacterized protein LOC102221235	P	No	
XP_005817135.1	Uncharacterized protein LOC102232946	P	No	
XP_005952245.1	Uncharacterized protein LOC102290310, partial	P	No	
XP_005930196.1	Uncharacterized protein LOC102290724	P	No	
XP_005948298.1	Uncharacterized protein LOC102295251	D	No	
XP_005950869.1	Uncharacterized protein LOC102296798	P	No	
XP_005953477.1	Uncharacterized protein LOC102301255	D	No	
XP_005912962.1	Uncharacterized protein LOC102301374	P	No	
XP_005953050.1	Uncharacterized protein LOC102307237	D	No	
XP_005993715.1	Uncharacterized protein LOC102354508, partial	D	No	
XP_006038606.1	Uncharacterized protein LOC102387905	D	No	
XP_006625486.1	Uncharacterized protein LOC102696357	D	No	

XP_006800617.1	Uncharacterized protein LOC102777202	D	No	
XP_006800564.1	Uncharacterized protein LOC102785141	P	No	
XP_006809849.1	Uncharacterized protein LOC102786649	D	No	
XP_006795787.1	Uncharacterized protein LOC102792782	D	No	
XP_006808924.1	Uncharacterized protein LOC102795061	P	No	
XP_692475.3	Uncharacterized protein LOC564023	P	No	
NP_001004669.1	UPF0585 protein c16orf13 homolog B (zgc:103625)	P	Figure 28	
XP_005165067.1	Zgc:101699 isoform X1	P	No	
AAH95239.1	Zgc:92753 protein (gc:group-specific component) (vitamin D binding protein)	P	Figure 29	
EFN60310.1	Zinc finger protein KIAA0543	P	No	Protein dimerization activity and nucleic acid binding.
XP_003369062.1	Zinc knuckle protein	P	No	Zinc finger.

Conserved syntenic analysis for armored catfish-specific genes

Conserved synteny represents a block of genes with conserved contents and order on the chromosome. It is a valuable analysis not only for functional genomics studies, but also for evolutionary studies (Ravi and Venkatesh, 2008). As such, conserved syntenic analysis was applied to determine whether armored catfish-specific genes were truly missing in the ictalurid catfish genome. As shown in Figure 9- Figure 30. Among 167 armored catfish-specific genes, conserved synteny blocks were found for 22 genes. These genes include si:ch1073-126c3.2 precursor, interphotoreceptor matrix proteoglycan 1, osteocrin-like, protein pitchfork, zgc:103625, Zgc:92753 protein, uncharacterized protein LOC100535760, uncharacterized protein LOC100536200, uncharacterized protein LOC101731862, uncharacterized protein LOC101882148, uncharacterized protein LOC101882486, uncharacterized protein LOC101883033, uncharacterized protein LOC101883359, uncharacterized protein LOC101884034, uncharacterized protein LOC101884312, uncharacterized protein LOC102075856, uncharacterized protein LOC100333395, uncharacterized protein LOC100495238, uncharacterized protein LOC101883128, uncharacterized protein LOC101883233, uncharacterized protein LOC101883544, and uncharacterized protein LOC101883788. Within the 22 conserved syntenic blocks, the armored catfish-specific genes were found, but they were absent from the ictalurid catfish genome containing these conserved syntenic blocks, suggesting they were truly missing from the ictalurid catfish genome although their translocation to other genomic locations of the catfish genome cannot be ruled out.

As zebrafish genome is regarded as “complete” and zebrafish harbors scales, the conserved syntenic analysis was parallel conducted with the zebrafish genome. Of the conserved syntenic

blocks for the 22 genes, the armored catfish-specific genes were found in 20 conserved syntenic blocks.

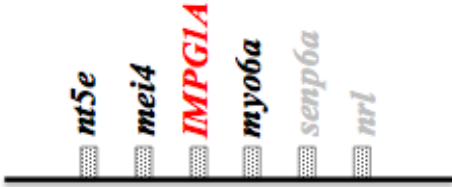
Of these 22 genes, two genes were annotated with known functions related to bone or scale formation, osteocrin gene and pitchfork gene. These two genes were then searched in other eleven fish genome databases and conducted syntenic analyses. As shown in Table 10, the ortholog of osteocrin gene can be found in six fish genomes, including zebrafish, tilapia, cave fish, spotted gar, coelacanth, and platyfish. The ortholog of pitchfork gene can be searched in five fish genome, including zebrafish, cave fish, spotted gar, coelacanth, and platyfish. Syntenic analysis (Figure 12) indicated the osteocrin gene is highly conserved in six fish genome. The highly conserved syntenic blocks of pitchfork gene were found between channel catfish and zebrafish, as well as channel catfish and platyfish, while it is less conserved in cave fish, coelacanth, and spotted gar. This may be caused by the longer evolutionary distance between channel catfish and these three species.

Table 10. The presence of osteocrin gene and pitchfork gene in twelve fish genome.

Species	Osteocrin gene	Pitchfork gene
Zebrafish	Yes	Yes
Atlantic Cod	No	No
Medaka	No	No
Tilapia	Yes	No
Fugu	No	No
Cave fish	Yes	Yes
Stickleback	No	No
Spotted gar	Yes	Yes
Coelacanth	Yes	Yes
Platyfish	Yes	Yes
Tetraodon	No	No
Catfish	No	No

zebrafish

Chr:20



channel catfish

Chr:3

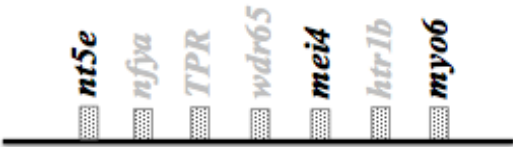
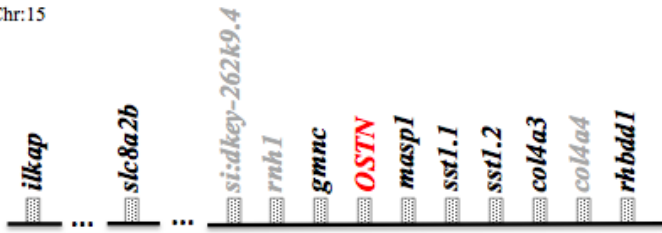


Figure 11. Syntenic analysis of interphotoreceptor matrix proteoglycan 1 (IMPG1A). Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

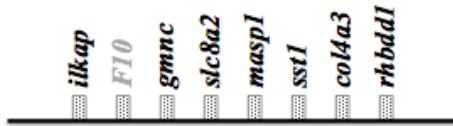
zebrafish

Chr:15



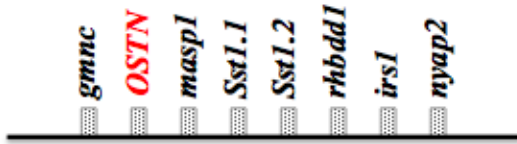
channel catfish

Chr:22



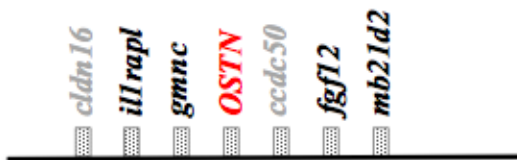
cave fish

Scaffold KB871758.1



coelacanth

Scaffold JH126687.1



spotted gar

Scaffold KB871758.1

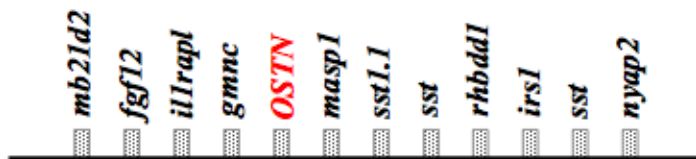


Figure 12. Syntenic analysis of osteocrin (OSTN). Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

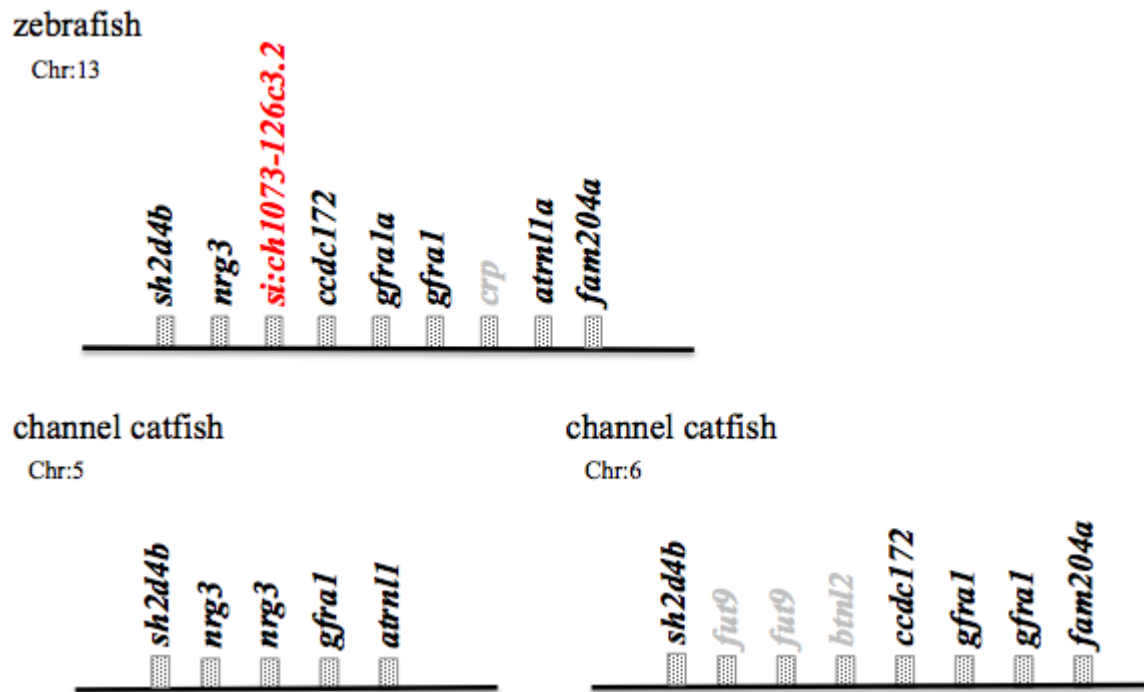
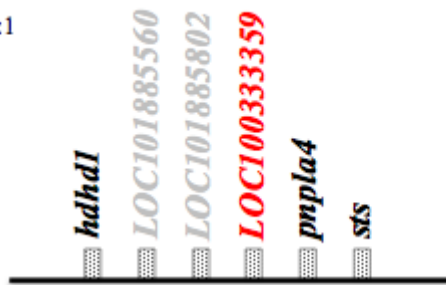


Figure 13. Syntenic analysis of si:ch1073-126c3.2. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:1



channel catfish

Chr:10

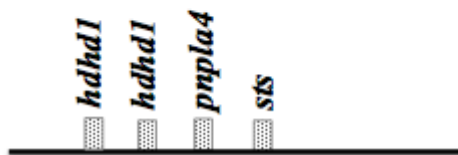
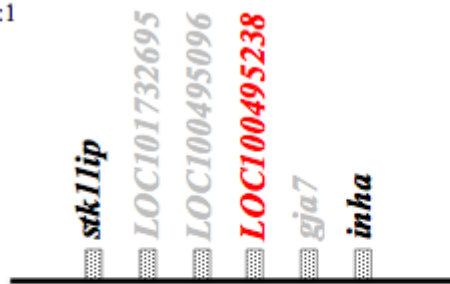


Figure 14. Syntenic analysis of uncharacterized protein LOC100333359. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:1



channel catfish

Chr:12

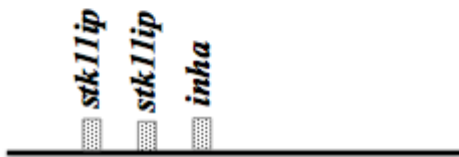
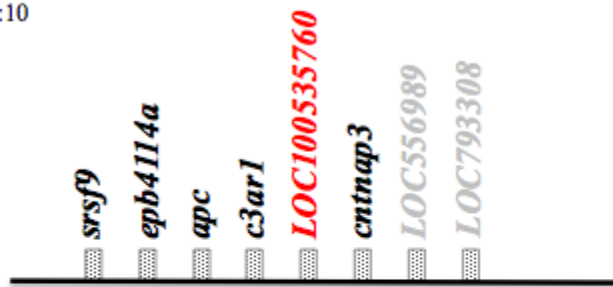


Figure 15. Syntenic analysis of uncharacterized protein LOC100495238. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:10



channel catfish

Chr:25

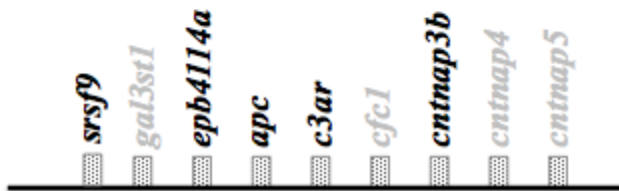
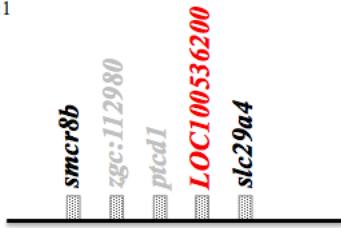


Figure 16. Syntenic analysis of uncharacterized protein LOC100535760. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:1



channel catfish

Chr:24

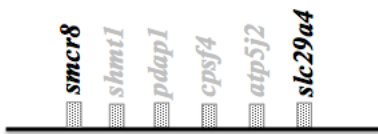
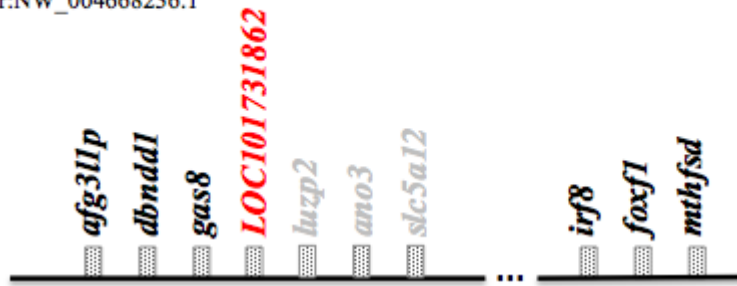


Figure 17. Syntenic analysis of uncharacterized protein LOC100536200. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

frog

Chr: NW_004668236.1



channel catfish

Chr: 4

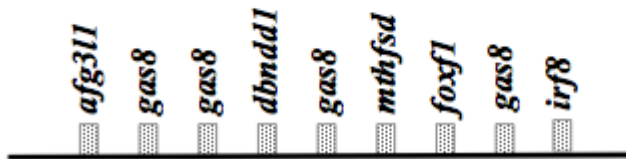


Figure 18. Syntenic analysis of uncharacterized protein LOC101731862. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

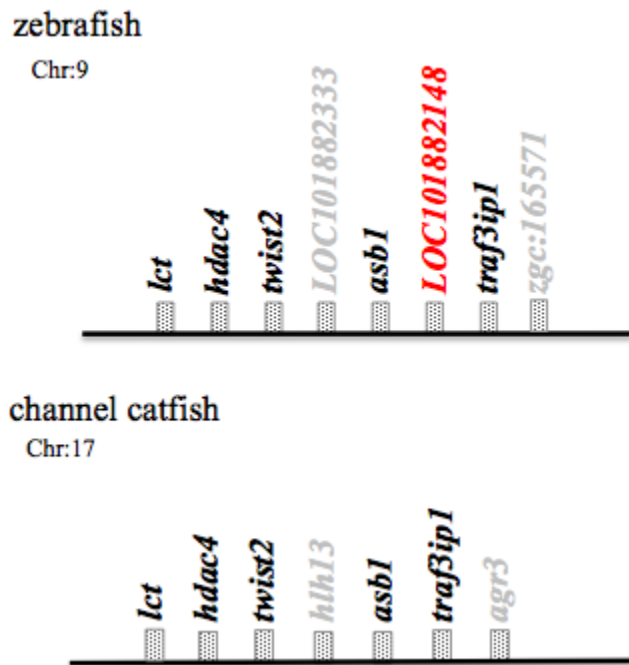


Figure 19. Syntenic analysis of uncharacterized protein LOC101882148. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

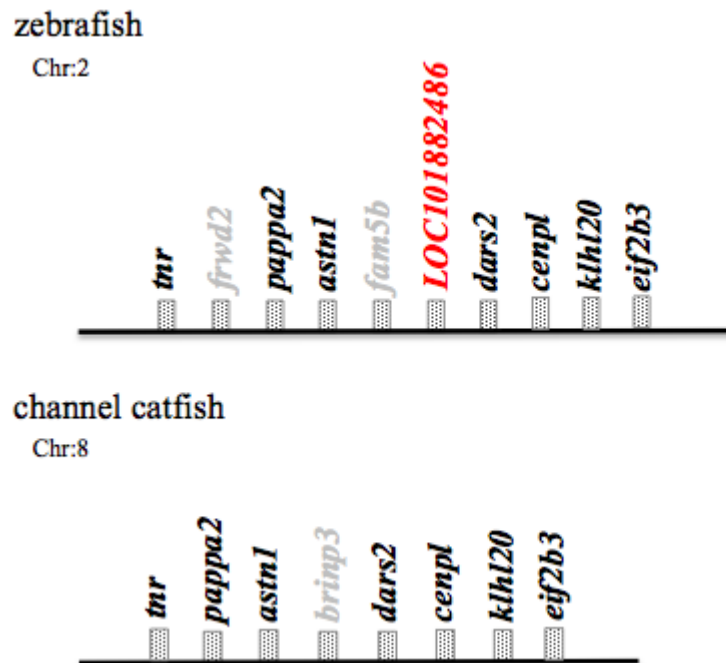


Figure 20. Syntenic analysis of uncharacterized protein LOC101882486. Black color indicates genes in conserved syntenly; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:2



channel catfish

Chr:2

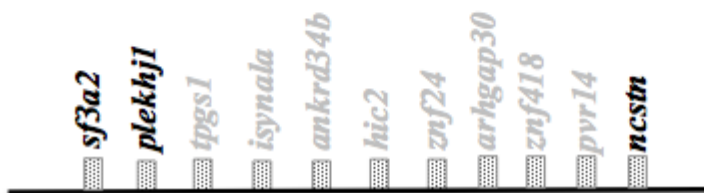
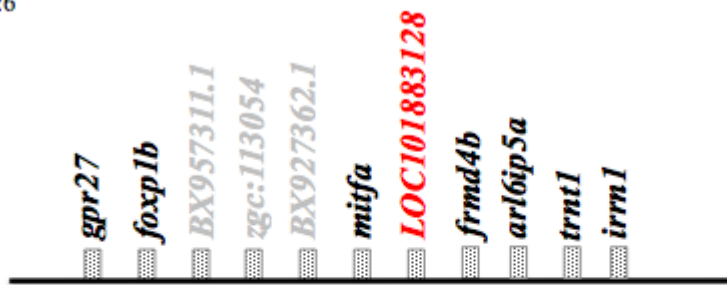


Figure 21. Syntenic analysis of uncharacterized protein LOC101883033. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:6



channel catfish

Chr:7

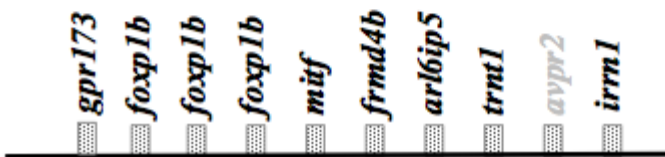
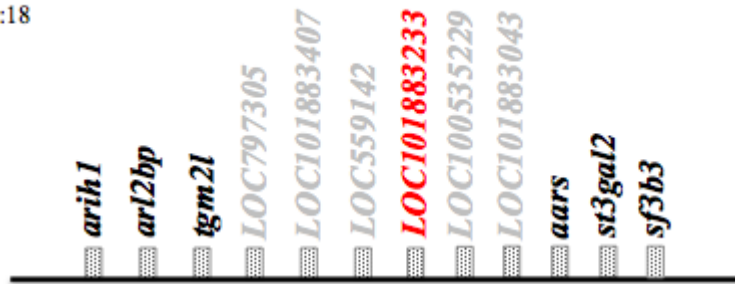


Figure 22. Syntenic analysis of uncharacterized protein LOC101883128. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:18



channel catfish

Chr:4

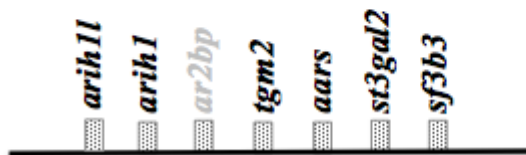
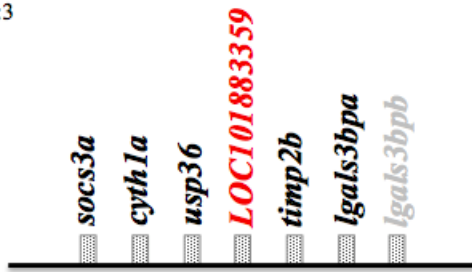


Figure 23. Syntenic analysis of uncharacterized protein LOC101883233. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:3



channel catfish

Chr:3

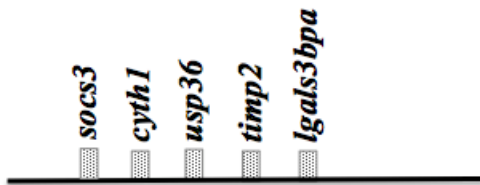
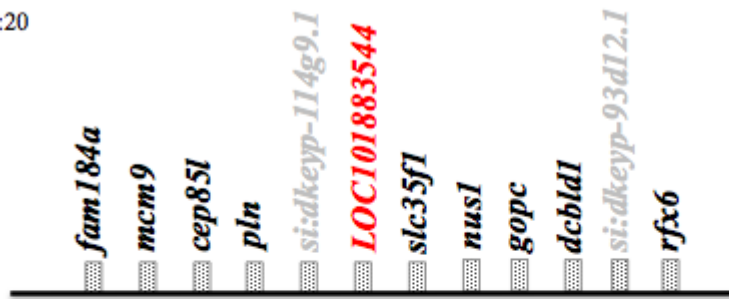


Figure 24. Syntenic analysis of uncharacterized protein LOC101883359. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:20



channel catfish

Chr:28

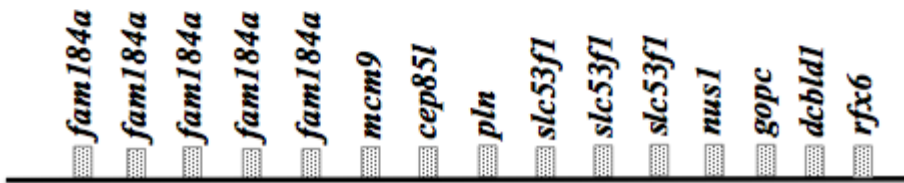
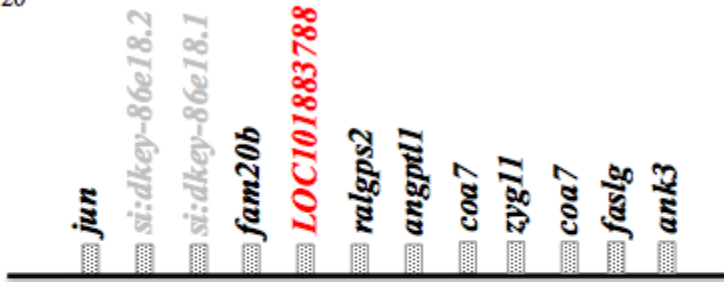


Figure 25. Syntenic analysis of uncharacterized protein LOC101883544. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:20



channel catfish

Chr:28

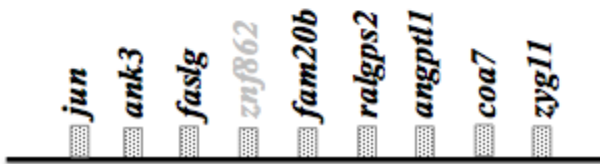


Figure 26. Syntenic analysis of uncharacterized protein LOC101883788. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

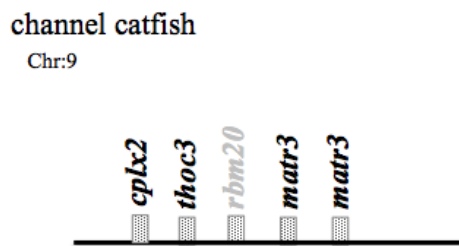
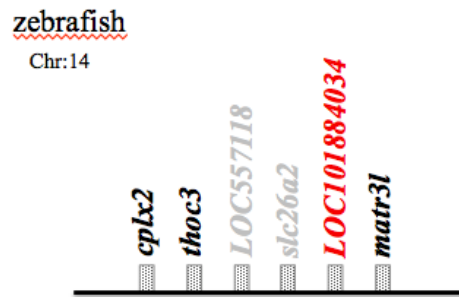
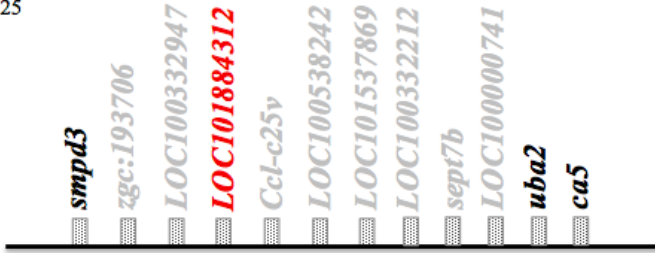


Figure 27. Syntenic analysis of uncharacterized protein LOC101884034. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish
Chr:25



channel catfish
Chr:9

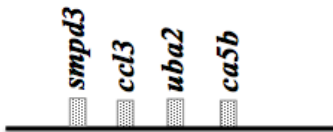
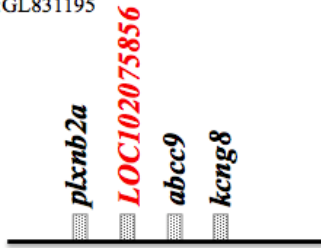


Figure 28. Syntenic analysis of uncharacterized protein LOC101884312. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

tilapia

Chr:GL831195



channel catfish

Chr:23

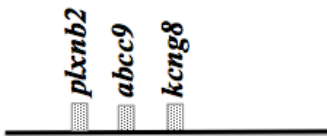
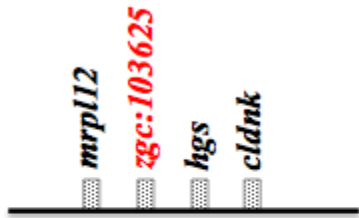


Figure 29. Syntenic analysis of uncharacterized protein LOC102075856. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish

Chr:3



channel catfish

Chr:24

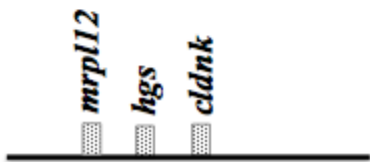
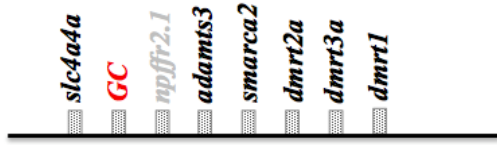


Figure 30. Syntenic analysis of *zgc: 103625*. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

zebrafish
Chr:5



channel catfish
Chr:26

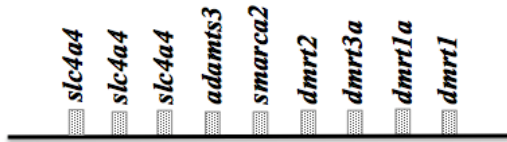
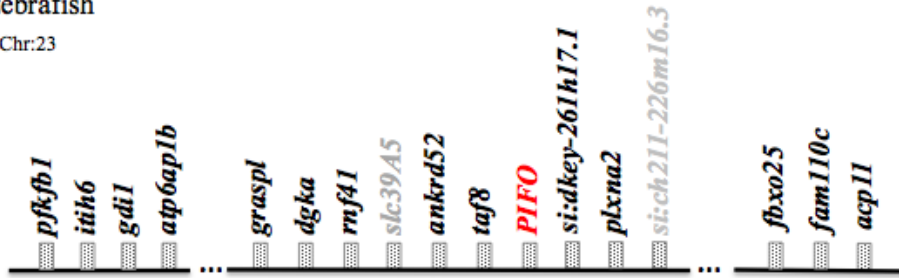


Figure 31. Syntenic analysis of Zgc: 92753 protein. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

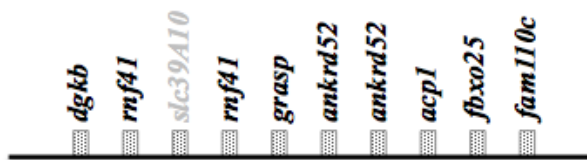
zebrafish

Chr:23



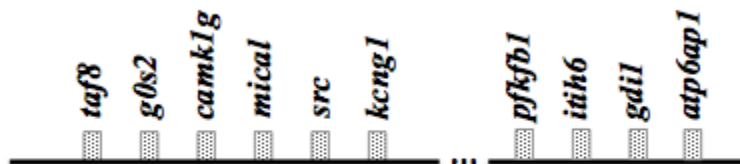
channel catfish

Chr:15



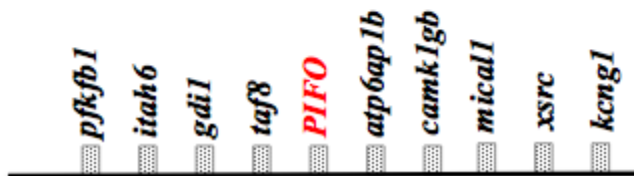
channel catfish

Scaffold 7180005416817



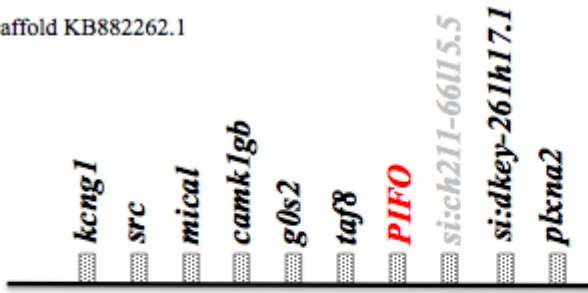
platyfish

Scaffold JH557013.1



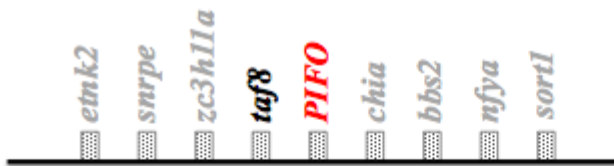
cave fish

Scaffold KB882262.1



coelacanth

Scaffold JH126665.1



spotted gar

Chr: LG3

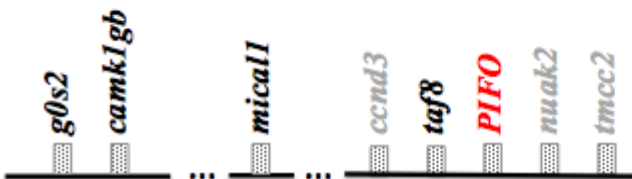


Figure 32. Syntenic analysis of pitchfork protein. Black color indicates genes in conserved synteny; gray color indicates not conserved genes; red color indicates genes missing in channel catfish.

V. DISCUSSIONS

Comparative genome analysis of related species is a powerful tool in genomics studies. Rapid development of genomic resources in ictalurid catfish, particularly the recent sequencing of

the whole genome from channel catfish and blue catfish has provided a great opportunity for conducting comparative genome analysis between ictalurid catfish and related fish species. Such comparison should provide assessment for the completeness of the ictalurid catfish genome. In addition, by examination of the genes present or absent from ictalurid catfish, speculations can be made as to if the absent of these genes may be related to its specific biological characteristics.

Four parameters are essential for the assessment of channel catfish genome. They are accuracy, completeness, contiguity and connectivity. The aim of this study is to evaluate the completeness of channel catfish genome assembly through comparative genome analysis between channel catfish and two armored catfish species, as well as channel catfish and other fish species with sequenced genomes. In addition, the two selected catfish species, common plecostomus (*Hypostomus plecostomus*) and striped Raphael catfish (*Platydoras armatulus*), harbor scute-type scales. Through comparative genome analysis, especially through comparison of gene contents, insights into the possible genes or gene pathways involved in the scale formation could be provided.

To date, eleven fish genome sequences have been submitted into Ensembl database. These fish species include zebrafish, Atlantic cod, medaka, tilapia, fugu, cave fish, stickleback, spotted gar, coelacanth, platyfish, and tetraodon. Together with channel catfish, a variety of comparative genome analysis were conducted between zebrafish and other fish species, between channel catfish and other fish species, as well as between fish species and other vertebrate species. These analysis could provide some clues about the completeness of the ictalurid catfish genome sequence assembly and related genome resources.

Zebrafish genome has been regarded as the most complete genome in fish species. Through the comparisons of gene contents with other fish genome sequences, it can be concluded that the catfish genome sequences are likely to be as complete as the zebrafish genome, because: 1) In

comparison with other fish species, there was not much significant discrepancy between channel catfish gene database and zebrafish genome. Through the comparison between two species, there are 987 genes present in ictalurid catfish gene database but absent in zebrafish genome, and there are 780 genes present in zebrafish genome but absent in ictalurid catfish gene database. In comparison, the zebrafish+ or catfish+ genes were much larger with other fish species, suggesting that the catfish genome is more complete than that of the other fish species analyzed, and close to the completeness of the zebrafish genome; 2) Through the comparison with other vertebrate species, catfish gene database has 1,650 genes present in ictalurid catfish but not identified in higher vertebrate species. Similarly, there are 1,519 genes present in zebrafish but not identified in higher vertebrate species. Though both factors of completeness and evolutionary relationships will affect the species specific gene number, completeness should play a dominant role in this comparative genome analysis, because zebrafish and catfish both belong to fish group compared with other vertebrate groups, indicating that the completeness of ictalurid catfish gene database is similar to zebrafish genome.

However, over one thousand specific genes identified from these comparative analyses made the downstream validation experiment difficult to process. With this consideration, two evolutionary related catfish species, common plecostomus and striped Raphael catfish were selected in this study to conduct comparative gene contents analysis with ictalurid catfish. In addition, though there are several possibilities leading to scale loss in ictalurid catfish, such as exons frame shift, promoter mutation, epigenetics, mutations in regulators of scale related pathways, etc., my dissertation focuses on one of the possibilities, the scale related genes lost during evolution process. Through comparative genome analysis, especially through comparison of their genes, insights into the possible genes or gene pathways involved in the scale formation

could be inferred. As the fact that ictalurid catfish is scaleless, specific genes identified in armored catfish species may provide hints for a candidate gene pool that lead to the scale loss in ictalurid catfish during the evolution process.

Genome sequencing of two armored catfish species was conducted using Illumina next generation sequencing technology. Around 50 fold coverage for two armored catfish together allowed whole genome comparative analysis of catfish conducted with a well-assembled reference sequences. After annotation, 28,122 unique genes and 26,190 unique genes were identified in common plecostomus and striped Raphael catfish genome, respectively. These number is much similar to the channel catfish, suggesting a good sequencing and assembly in the study and close evolutionary relationship among these catfish species. For gene identification purposes, sequencing of just one exon or a gene segment was sufficient to identify the gene, thus allowing the gene contents to be compared between the catfish species.

There are several possibilities could lead to scale loss in ictalurid catfish, such as exons frame shift, mutations in promoter region, epigenetic factors, mutations in regulators of scale related pathways, etc., however, my dissertation focuses on one of the possibilities, the scale related genes lost during evolution process. Using the strategies developed in this study, a total of 167 specific genes were identified in two armored catfish species. There are three possibilities for these 167 genes: 1) they are truly lost in channel catfish genome during evolution process, and may represent candidate genes important for distinct phenotypes armored catfish possess, such as armored with scales; 2) these genes might exist in the ictalurid catfish genome, but have low similarities with their homologs due to high rate of mutation in the evolution, these situation can be excluded through conducting syntenic analysis with other species; 3) these genes might exist in

the ictalurid catfish genome, but have not yet been identified because of the incompleteness of the ictalurid catfish genome sequencing and assembly.

Conserved syntenic analysis is a valuable tool for functional genomics and evolutionary studies. In my study, conserved syntenic analysis was applied to determine whether armored catfish-specific genes were truly missing in ictalurid catfish genome. As a result, of the 167 armored catfish-specific genes, conserved synteny blocks were identified for 22 genes (si:ch1073-126c3.2 precursor, interphotoreceptor matrix proteoglycan 1, osteocrin-like, protein pitchfork, zgc: 103625, Zgc:92753 protein, uncharacterized protein LOC100535760, uncharacterized protein LOC100536200, uncharacterized protein LOC101731862, uncharacterized protein LOC101882148, uncharacterized protein LOC101882486, uncharacterized protein LOC101883033, uncharacterized protein LOC101883359, uncharacterized protein LOC101884034, uncharacterized protein LOC101884312, uncharacterized protein LOC102075856, uncharacterized protein LOC100333395, uncharacterized protein LOC100495238, uncharacterized protein LOC101883128, uncharacterized protein LOC101883233, uncharacterized protein LOC101883544, and uncharacterized protein LOC101883788). Within these 22 conserved syntenic blocks, the gene of interest (found to be “armored catfish-specific) were present in zebrafish or other species, but absent from the ictalurid catfish conserved blocks.

Although the absence of the genes within the channel catfish syntenic blocks suggest that they are missing in the channel catfish genome, this alone does not provide whole evidence that such genes are missing from the channel catfish genome. One possibility is that these genes are still present in the catfish genome but in a different location. Therefore, additional research is required to provide concrete evidence for the loss of these genes in the catfish genome. One

possibility is Southern blot analysis, or dot blot analysis, where the probes of these genes can be made to hybridize to the genomic DNA from the armored catfish and channel catfish. If homologous sequences exist in the channel catfish, then such genes may still be present in the catfish genome. In contrast, if the Southern blot does not reveal the presence of any homologous sequences, it would be more confident to conclude that such genes are indeed missing from the catfish genome. This same approach can be applied to testing all the 167 genes that are designed as “armored catfish-specific.

One way of obtaining any hints as to if the armored catfish-specific genes are related to biological characteristics of channel catfish is through examination of their biological functions and gene pathways. However, this approach had very limited application as the vast majority of the armored catfish-specific genes cannot be annotated. Of the 167 genes, only 11 genes can be annotated. The most of 167 genes had homology to genes that were designated as Hypothetical proteins, or uncharacterized proteins (Table 9).

Of these 22 genes that were absent in the channel catfish syntenic blocks, only three were annotated with functional gene names. They are interphotoreceptor matrix proteoglycan 1, osteocrin-like, and protein pitchfork. Of these, the osteocrin and pitchfork genes were functionally related to bone formation or scale development. The osteocrin gene, also known as musclin, has been reported as a novel bone-active molecule and involved in modulating osteoblastic differentiation function (Thomas, et al., 2003). It is highly expressed in osteoblast cells, and specifically localized to osteoblasts and young osteocytes at bone-forming sites (Bord, et al., 2005). However, there are no publications have indicated that this gene is related with scale formation. Pitchfork protein has been reported as an essential protein for cilia disassembly (Kinzel et al., 2010). Primary cilia plays an important role in sonic hedgehog (Shh) signaling pathway and

failure of cilia formation will lead to embryonic defects (Sasai and Briscoe, 2012). Pitchfork gene is expressed in regions of intensive Shh signaling in the mouse embryo, and regulated by Shh agonist in cell culture, suggesting that pitchfork might function in the Shh signaling pathway (Sasai and Briscoe, 2012). Because Shh signaling pathway is involved in the control of scale morphogenesis and differentiation (Sire and Akimenko, 2004), it is possible that the loss of pitchfork gene in ictalurid catfish lead to the scale loss during evolution (Figure 33).

The ortholog of osteocrin gene was found to be present and highly conserved in other six scale-harbored fish species, including zebrafish, tilapia, cave fish, spotted gar, coelacanth and platyfish. Pitchfork gene was found in five scale-harbored fish species and highly conserved with zebrafish and platyfish. There are two possible reasons that osteocrin and pitchfork genes are absent in other scale-harbored fish, such as medaka, Atlantic cod and stickleback, 1) genomes of these fish species are not complete, and these genes were missed; 2) osteocrin and pitchfork genes might be related to other functions instead of forming scales, which could be missed in such comparison. Further functional analysis are required to confirm these hypotheses.

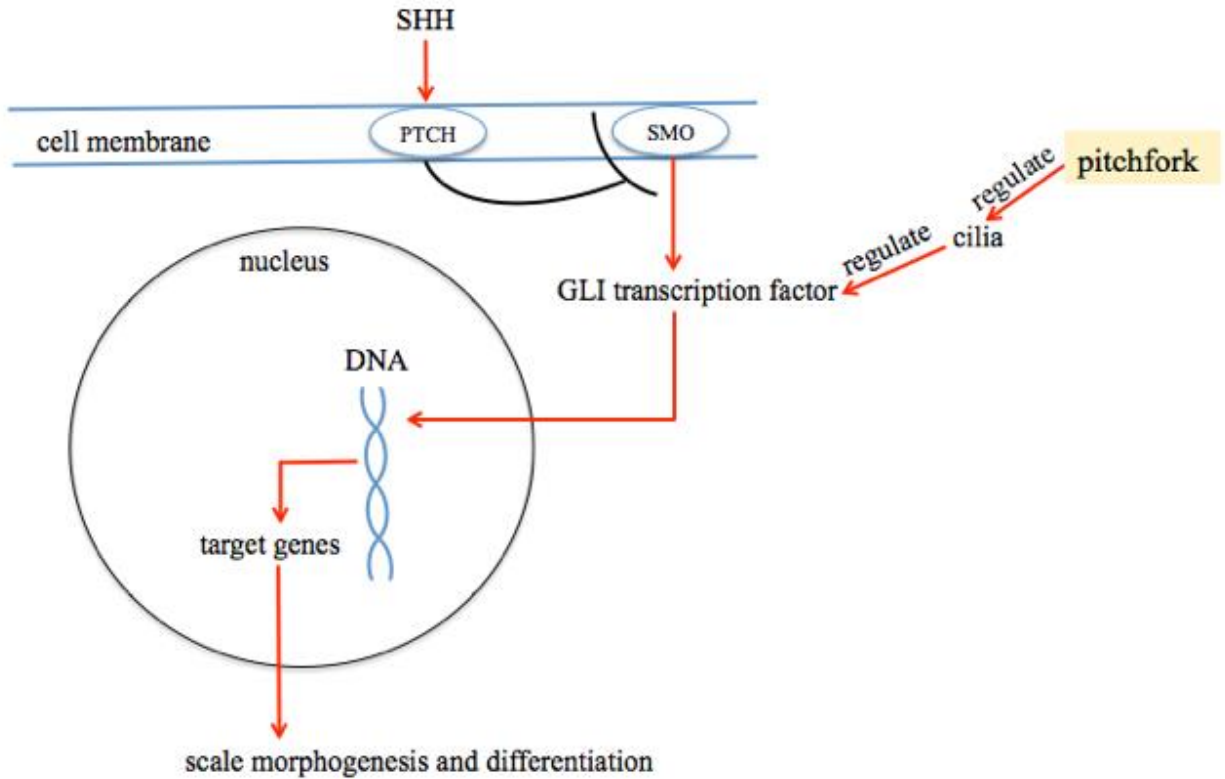


Figure 33. Shh (sonic hedgehog signaling) pathway. PTCH: Patched transmembrane protein. SMO: Smoothed transmembrane protein. GLI: GLI transcription factor.

VI. CONCLUSION

Through the comparative genome analysis among fish species, ictalurid catfish gene database is more complete than other fish species, and close to the completeness of zebrafish genome. Comparative genome analysis were conducted between ictalurid catfish and two armored catfish. As a result, of the 167 armored catfish-specific genes were identified. Whether these 167 genes are truly absent from the ictalurid catfish genome is still unknow at present. Conserved syntenic analyses indicated that 22 genes were present in zebrafish or other genomes but were

absent from the ictalurid catfish conserved syntenic blocks, providing stronger evidence that they may be truly missing from the ictalurid catfish genome, but additional analyses are required to confirm this. Although a couple of genes are interesting for scale formation (osteocrin and pitchfork protein), their relationship with scaleless phenotype of channel catfish is only speculation at this time.

Reference

1. Aparicio, S., Chapman, J., Stupka, E., Putnam, N., Chia, J.-M., Dehal, P., Christoffels, A., Rash, S., Hoon, S., Smit, A., Gelpke, M.D.S., Roach, J., Oh, T., Ho, I.Y., Wong, M., Detter, C., Verhoef, F., Predki, P., Tay, A., Lucas, S., Richardson, P., Smith, S.F., Clark, M.S., Edwards, Y.J.K., Doggett, N., Zharkikh, A., Tavtigian, S. V, Pruss, D., Barnstead, M., Evans, C., Baden, H., Powell, J., Glusman, G., Rowen, L., Hood, L., Tan, Y.H., Elgar, G., Hawkins, T., Venkatesh, B., Rokhsar, D., Brenner, S., 2002. Whole-genome shotgun assembly and analysis of the genome of *Fugu rubripes*. *Science (New York, N.Y.)* 297, 1301-1310.
2. Argue, B.J., Liu, Z., Dunham, R., 2003. Dress-out and fillet yields of channel catfish, *Ictalurus punctatus*, blue catfish, *Ictalurus furcatus*, and their F1, F2 and backcross hybrids. *Aquaculture* 228, 81-90.
3. Atukorala, A.D.S., Inohaya, K., Baba, O., Tabata, M.J., Ratnayake, R.A.R.K., Abduweli, D., Kasugai, S., Mitani, H., Takano, Y., 2011. Scale and tooth phenotypes in medaka with a mutated ectodysplasin-A receptor: implications for the evolutionary origin of oral and pharyngeal teeth. *Arch Histol Cytol* 73, 139-148.
4. Bentley, D.R., Balasubramanian, S., Swerdlow, H.P., Smith, G.P., Milton, J., Brown, C.G., Hall, K.P., Evers, D.J., Barnes, C.L., Bignell, H.R., Boutell, J.M., Bryant, J., Carter, R.J., Keira

Cheetham, R., Cox, A.J., Ellis, D.J., Flatbush, M.R., Gormley, N. a, Humphray, S.J., Irving, L.J., Karbelashvili, M.S., Kirk, S.M., Li, H., Liu, X., Maisinger, K.S., Murray, L.J., Obradovic, B., Ost, T., Parkinson, M.L., Pratt, M.R., Rasolonjatovo, I.M.J., Reed, M.T., Rigatti, R., Rodighiero, C., Ross, M.T., Sabot, A., Sankar, S. V, Scally, A., Schroth, G.P., Smith, M.E., Smith, V.P., Spiridou, A., Torrance, P.E., Tzonev, S.S., Vermaas, E.H., Walter, K., Wu, X., Zhang, L., Alam, M.D., Anastasi, C., Aniebo, I.C., Bailey, D.M.D., Bancarz, I.R., Banerjee, S., Barbour, S.G., Baybayan, P. a, Benoit, V. a, Benson, K.F., Bevis, C., Black, P.J., Boodhun, A., Brennan, J.S., Bridgham, J. a, Brown, R.C., Brown, A. a, Buermann, D.H., Bundu, A. a, Burrows, J.C., Carter, N.P., Castillo, N., Chiara E Catenazzi, M., Chang, S., Neil Cooley, R., Crake, N.R., Dada, O.O., Diakoumakos, K.D., Dominguez-Fernandez, B., Earnshaw, D.J., Egbujor, U.C., Elmore, D.W., Etchin, S.S., Ewan, M.R., Fedurco, M., Fraser, L.J., Fuentes Fajardo, K. V, Scott Furey, W., George, D., Gietzen, K.J., Goddard, C.P., Golda, G.S., Granieri, P. a, Green, D.E., Gustafson, D.L., Hansen, N.F., Harnish, K., Haudenschild, C.D., Heyer, N.I., Hims, M.M., Ho, J.T., Horgan, A.M., Hoschler, K., Hurwitz, S., Ivanov, D. V, Johnson, M.Q., James, T., Huw Jones, T. a, Kang, G.-D., Kerelska, T.H., Kersey, A.D., Khrebtukova, I., Kindwall, A.P., Kingsbury, Z., Kokko-Gonzales, P.I., Kumar, A., Laurent, M. a, Lawley, C.T., Lee, S.E., Lee, X., Liao, A.K., Loch, J. a, Lok, M., Luo, S., Mammen, R.M., Martin, J.W., McCauley, P.G., McNitt, P., Mehta, P., Moon, K.W., Mullens, J.W., Newington, T., Ning, Z., Ling Ng, B., Novo, S.M., O'Neill, M.J., Osborne, M. a, Osnowski, A., Ostadan, O., Paraschos, L.L., Pickering, L., Pike, A.C., Pike, A.C., Chris Pinkard, D., Pliskin, D.P., Podhasky, J., Quijano, V.J., Raczy, C., Rae, V.H., Rawlings, S.R., Chiva Rodriguez, A., Roe, P.M., Rogers, J., Rogert Bacigalupo, M.C., Romanov, N., Romieu, A., Roth, R.K., Rourke, N.J., Ruediger, S.T., Rusman, E., Sanches-Kuiper, R.M., Schenker, M.R., Seoane, J.M., Shaw, R.J., Shiver,

- M.K., Short, S.W., Sizto, N.L., Sluis, J.P., Smith, M. a, Ernest Sohna Sohna, J., Spence, E.J., Stevens, K., Sutton, N., Szajkowski, L., Tregidgo, C.L., Turcatti, G., Vandevondele, S., Verhovsky, Y., Virk, S.M., Wakelin, S., Walcott, G.C., Wang, J., Worsley, G.J., Yan, J., Yau, L., Zuerlein, M., Rogers, J., Mullikin, J.C., Hurles, M.E., McCooke, N.J., West, J.S., Oaks, F.L., Lundberg, P.L., Klenerman, D., Durbin, R., Smith, A.J., 2008. Accurate whole human genome sequencing using reversible terminator chemistry. *Nature* 456, 53-59.
5. Bernardi, G., Wiley, E.O., Mansour, H., Miller, M.R., Orti, G., Haussler, D., O'Brien, S.J., Ryder, O. a, Venkatesh, B., 2012. The fishes of Genome 10K. *Marine genomics* 7, 3-6.
 6. Berthelot, C., Brunet, F., Chalopin, D., Juanchich, A., Bernard, M., Noël, B., Bento, P., Da Silva, C., Labadie, K., Alberti, A., Aury, J.-M., Louis, A., Dehais, P., Bardou, P., Montfort, J., Klopp, C., Cabau, C., Gaspin, C., Thorgaard, G.H., Boussaha, M., Quillet, E., Guyomard, R., Galiana, D., Bobe, J., Volff, J.-N., Genêt, C., Wincker, P., Jaillon, O., Roest Crollius, H., Guiguen, Y., 2014. The rainbow trout genome provides novel insights into evolution after whole-genome duplication in vertebrates. *Nature communications* 5, 3657.
 7. Bord, S., Ireland, D.C., Moffatt, P., Thomas, G.P., Compston, J.E., 2005. Characterization of osteocrin expression in human bone. *The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society* 53, 1181-1187.
 8. Brutori, M.N., 1996. Alternative life-history strategies of catfishes 9, 35-41.
 9. Cao, D., Kocabas, A., Ju, Z., Karsi, A., Li, P., Patterson, A., Liu, Z., 2001. Transcriptome of channel catfish (*Ictalurus punctatus*): initial analysis of genes and expression profiles of the head kidney. *Anim. Genet.* 32, 169-188.
 10. Chen, F., Lee, Y., Jiang, Y., Wang, S., Peatman, E., Abernathy, J., Liu, H., Liu, S., Kucuktas, H., Ke, C., Liu, Z.J., 2010. Identification and characterization of full-length cDNAs in catfish

(*Ictalurus spp.*). PLoS One 12, e11546. doi:10.1371/journal.pone.0011546.

11. Chen, S., Zhang, G., Shao, C., Huang, Q., Liu, G., Zhang, P., Song, W., An, N., Chalopin, D., Volff, J.-N., Hong, Y., Li, Q., Sha, Z., Zhou, H., Xie, M., Yu, Q., Liu, Y., Xiang, H., Wang, N., Wu, K., Yang, C., Zhou, Q., Liao, X., Yang, L., Hu, Q., Zhang, J., Meng, L., Jin, L., Tian, Y., Lian, J., Yang, J., Miao, G., Liu, S., Liang, Z., Yan, F., Li, Y., Sun, B., Zhang, H., Zhang, J., Zhu, Y., Du, M., Zhao, Y., Scharl, M., Tang, Q., Wang, J., 2014. Whole-genome sequence of a flatfish provides insights into ZW sex chromosome evolution and adaptation to a benthic lifestyle. *Nature Genetics* 46, 253-260.
12. Church, D.M., Schneider, V. a, Graves, T., Auger, K., Cunningham, F., Bouk, N., Chen, H.-C., Agarwala, R., McLaren, W.M., Ritchie, G.R.S., Albracht, D., Kremitzki, M., Rock, S., Kotkiewicz, H., Kremitzki, C., Wollam, A., Trani, L., Fulton, L., Fulton, R., Matthews, L., Whitehead, S., Chow, W., Torrance, J., Dunn, M., Harden, G., Threadgold, G., Wood, J., Collins, J., Heath, P., Griffiths, G., Pelan, S., Grafham, D., Eichler, E.E., Weinstock, G., Mardis, E.R., Wilson, R.K., Howe, K., Flicek, P., Hubbard, T., 2011. Modernizing reference genome assemblies. *PLoS Biology* 9, e1001091.
13. Clarke, J., Wu, H., Jayasinghe, L., Patel, A., Reid, S., Bayley, H., 2009. Continuous base identification for single-molecule nanopore DNA sequencing. *Nature* 4, 265-270.
14. Davidson, W.S., Koop, B.F., Jones, S.J.M., Iturra, P., Vidal, R., Maass, A., Jonassen, I., Lien, S., Omholt, S.W., 2010. Sequencing the genome of the Atlantic salmon (*Salmo salar*). *Genome biology* 11, 403.
15. Diogo, R., Doadrio I., Vandewalle, P., 2008. Teleostean Phylogeny Based on Osteological and Myological Characters. *International Journal of Morphology* 26, 463-522.
16. Dunham, R., 2006. History of catfish breeding and its application in the United States: Lessons

- to be learned? The Israeli Journal of Aquaculture 58, 251-256.
17. Dunham, R., Ramboux, A., Perera, D., 2014. Effect of strain on tolerance of low dissolved oxygen of channel X blue catfish hybrids. *Aquaculture* 420-421.
 18. Dunham, R., Brady, Y., Vinitnantharat, S., 1994. Response to challenge with *Edwardsiella ictaluri* by channel catfish, *Ictalurus punctatus*, selected for resistance to *E. ictaluri*. *J Appl Aquaculture* 3, 211-222.
 19. Dunham, R., Masser, M., 2012. Production of Hybrid Catfish. Southern Regional Aquaculture Center, 190 1-8.
 20. Dunham, R., Smitherman, R.O., 1983. Crossbreeding channel catfish for improvement of body weight in earthen ponds. *Growth* 47: 97-103.
 21. Dunham, R., Smitherman, R.O., 1984. Ancestry and breeding of catfish in the United States. Auburn: Alabama Agri. Exp. Station Circular. 93 p.
 22. English, A.C., Richards, S., Han, Y., Wang, M., Vee, V., Qu, J., Qin, X., Muzny, D.M., Reid, J.G., Worley, K.C., Gibbs, R. a, 2012. Mind the gap: upgrading genomes with Pacific Biosciences RS long-read sequencing technology. *PloS one* 7, e47768.
 23. Ekblom, R., Wolf, J.B.W., 2014. A field guide to whole-genome sequencing, assembly and annotation. *Evolutionary Applications* doi:10.1111/eva.12178.
 24. Eschmeyer, W.N. and Fong, J.D., 2014. The Catalog of Fishes: Species by family/subfamily. (<http://research.calacademy.org/research/ichthyology/catalog/SpeciesByFamily.asp>)
 25. Eya, J.C., Ashame, M.F., Pomeroy, C.F., Manning, B.B., Peterson, B.C., 2012. Genetic variation in feed consumption, growth, nutrient utilization efficiency and mitochondrial function within a farmed population of catfish (*Ictalurus punctatus*). *Comparative Biochemistry and Physiology Part B* 163, 211-220.

26. F. Sun, E. Peatman, C. Li, S. Liu, Y. Jiang, Z. Zhou, Z. Liu, 2012. Transcriptomic signatures of attachment, NF- κ B suppression and IFN stimulation in the catfish gill following columnaris bacterial infection. *Developmental and Comparative Immunology* 38, 169-180.
27. Geng, X., Feng, J., Liu, S., Wang, Y., Arias, C., Liu, Z., 2014. Transcriptional regulation of hypoxia inducible factors alpha (HIF- α) and their inhibiting factor (FIH-1) of channel catfish (*Ictalurus punctatus*) under hypoxia. *Comp Biochem Physiol B Biochem Mol Biol* 228, 91-105.
28. Genome 10k community of scientists, 2009. Genome 10K: a proposal to obtain whole-genome sequence for 10,000 vertebrate species. *The Journal of heredity* 100, 659-674.
29. Gilles, A., Megléc, E., Pech, N., Ferreira, S., Malausa, T., Martin, J.F., 2011. Accuracy and quality assessment of 454 GS-FLX Titanium pyrosequencing. *BMC genomics* 12, 245.
30. Guo, B., Chain, F.J.J., Bornberg-Bauer, E., Leder, E.H., Merilä, J., 2013. Genomic divergence between nine- and three-spined sticklebacks. *BMC genomics* 14, 756.
31. Hallerman, E., Dunham, R., Smitherman, R., 1986. Selection or drift—isozyme allele frequency changes among channel catfish selected for rapid growth. *Trans Am Fish Soc* 115, 60-68.
32. Harris, M.P., Rohner, N., Schwarz, H., Perathoner, S., Konstantinidis, P., Nüsslein-Volhard, C., 2008. Zebrafish *eda* and *edar* mutants reveal conserved and ancestral roles of ectodysplasin signaling in vertebrates. *PLoS genetics* 4.
33. He, C., Chen, L., Simmons, M., Li, P., Kim, S., Liu, Z., 2003. Putative SNP discovery in interspecific hybrids of catfish by comparative EST analysis. *Anim. Genet.* 34, 445-448.
34. Howe, K., Clark, M.D., Torroja, C.F., Torrance, J., Berthelot, C., Muffato, M., Collins, J.E., Humphray, S., McLaren, K., Matthews, L., McLaren, S., Sealy, I., Caccamo, M., Churcher,

C., Scott, C., Barrett, J.C., Koch, R., Rauch, G.-J., White, S., Chow, W., Kilian, B., Quintais, L.T., Guerra-Assunção, J. a, Zhou, Y., Gu, Y., Yen, J., Vogel, J.-H., Eyre, T., Redmond, S., Banerjee, R., Chi, J., Fu, B., Langley, E., Maguire, S.F., Laird, G.K., Lloyd, D., Kenyon, E., Donaldson, S., Sehra, H., Almeida-King, J., Loveland, J., Trevanion, S., Jones, M., Quail, M., Willey, D., Hunt, A., Burton, J., Sims, S., McLay, K., Plumb, B., Davis, J., Clee, C., Oliver, K., Clark, R., Riddle, C., Elliot, D., Elliott, D., Threadgold, G., Harden, G., Ware, D., Begum, S., Mortimore, B., Mortimer, B., Kerry, G., Heath, P., Phillimore, B., Tracey, A., Corby, N., Dunn, M., Johnson, C., Wood, J., Clark, S., Pelan, S., Griffiths, G., Smith, M., Glithero, R., Howden, P., Barker, N., Lloyd, C., Stevens, C., Harley, J., Holt, K., Panagiotidis, G., Lovell, J., Beasley, H., Henderson, C., Gordon, D., Auger, K., Wright, D., Collins, J., Raisen, C., Dyer, L., Leung, K., Robertson, L., Ambridge, K., Leongamornlert, D., McGuire, S., Gilderthorp, R., Griffiths, C., Manthravadi, D., Nichol, S., Barker, G., Whitehead, S., Kay, M., Brown, J., Murnane, C., Gray, E., Humphries, M., Sycamore, N., Barker, D., Saunders, D., Wallis, J., Babbage, A., Hammond, S., Mashreghi-Mohammadi, M., Barr, L., Martin, S., Wray, P., Ellington, A., Matthews, N., Ellwood, M., Woodmansey, R., Clark, G., Cooper, J.D., Cooper, J., Tromans, A., Grafham, D., Skuce, C., Pandian, R., Andrews, R., Harrison, E., Kimberley, A., Garnett, J., Fosker, N., Hall, R., Garner, P., Kelly, D., Bird, C., Palmer, S., Gehring, I., Berger, A., Dooley, C.M., Ersan-Ürün, Z., Eser, C., Geiger, H., Geisler, M., Karotki, L., Kirn, A., Konantz, J., Konantz, M., Oberländer, M., Rudolph-Geiger, S., Teucke, M., Lanz, C., Raddatz, G., Osoegawa, K., Zhu, B., Rapp, A., Widaa, S., Langford, C., Yang, F., Schuster, S.C., Carter, N.P., Harrow, J., Ning, Z., Herrero, J., Searle, S.M.J., Enright, A., Geisler, R., Plasterk, R.H. a, Lee, C., Westerfield, M., de Jong, P.J., Zon, L.I., Postlethwait, J.H., Nüsslein-Volhard, C., Hubbard, T.J.P., Roest Crollius, H., Rogers, J., Stemple, D.L., 2013. The zebrafish

- reference genome sequence and its relationship to the human genome. *Nature* 496, 498-503.
35. Jaillon, O., Aury, J.-M., Brunet, F., Petit, J.-L., Stange-Thomann, N., Mauceli, E., Bouneau, L., Fischer, C., Ozouf-Costaz, C., Bernot, A., Nicaud, S., Jaffe, D., Fisher, S., Lutfalla, G., Dossat, C., Segurens, B., Dasilva, C., Salanoubat, M., Levy, M., Boudet, N., Castellano, S., Anthouard, V., Jubin, C., Castelli, V., Katinka, M., Vacherie, B., Biémont, C., Skalli, Z., Cattolico, L., Poulain, J., De Berardinis, V., Cruaud, C., Duprat, S., Brottier, P., Coutanceau, J.-P., Gouzy, J., Parra, G., Lardier, G., Chapple, C., McKernan, K.J., McEwan, P., Bosak, S., Kellis, M., Volff, J.-N., Guigó, R., Zody, M.C., Mesirov, J., Lindblad-Toh, K., Birren, B., Nusbaum, C., Kahn, D., Robinson-Rechavi, M., Laudet, V., Schachter, V., Quétier, F., Saurin, W., Scarpelli, C., Wincker, P., Lander, E.S., Weissenbach, J., Roest Crolius, H., 2004. Genome duplication in the teleost fish *Tetraodon nigroviridis* reveals the early vertebrate proto-karyotype. *Nature* 431, 946-957.
36. Jones, F.C., Grabherr, M.G., Chan, Y.F., Russell, P., Mauceli, E., Johnson, J., Swofford, R., Pirun, M., Zody, M.C., White, S., Birney, E., Searle, S., Schmutz, J., Grimwood, J., Dickson, M.C., Myers, R.M., Miller, C.T., Summers, B.R., Knecht, A.K., Brady, S.D., Zhang, H., Pollen, A. a, Howes, T., Amemiya, C., Baldwin, J., Bloom, T., Jaffe, D.B., Nicol, R., Wilkinson, J., Lander, E.S., Di Palma, F., Lindblad-Toh, K., Kingsley, D.M., 2012. The genomic basis of adaptive evolution in threespine sticklebacks. *Nature* 484, 55-61.
37. Ju, Z., Karsi, A., Kocabas, A., Patterson, A., Li, P., Cao, D., Dunham, R., Liu, Z., 2000. Transcriptome analysis of channel catfish (*Ictalurus punctatus*): genes and expression profile from the brain. *Gene* 261, 373-382.
38. Karsi, A., Cao, D., Li, P., Patterson, A., Kocabas, A., Feng, J., Ju, Z., Mickett, K., Liu, Z.J., 2002. Transcriptome analysis of channel catfish (*Ictalurus punctatus*): Initial analysis of gene

- expression and microsatellite-containing cDNAs in the skin. *Gene* 285, 157-168.
39. Kasahara, M., Naruse, K., Sasaki, S., Nakatani, Y., Qu, W., Ahsan, B., Yamada, T., Nagayasu, Y., Doi, K., Kasai, Y., Jindo, T., Kobayashi, D., Shimada, A., Toyoda, A., Kuroki, Y., Fujiyama, A., Sasaki, T., Shimizu, A., Asakawa, S., Shimizu, N., Hashimoto, S.-I., Yang, J., Lee, Y., Matsushima, K., Sugano, S., Sakaizumi, M., Narita, T., Ohishi, K., Haga, S., Ohta, F., Nomoto, H., Nogata, K., Morishita, T., Endo, T., Shin-I, T., Takeda, H., Morishita, S., Kohara, Y., 2007. The medaka draft genome and insights into vertebrate genome evolution. *Nature* 447, 714–719.
 40. Kinzel, D., Boldt, K., Davis, E.E., Burtscher, I., Trümbach, D., Diplas, B., Attié-bitach, T., Wurst, W., Katsanis, N., Ueffing, M., 2010. *Dev Cell* 19, 66-77.
 41. Kirpichnikov, V.S., Balkashina, E.I., 1935. Materials on genetics and selection of common carp I. (in Russian). *Zool J (Moscow)* 14, 45–78.
 42. Kocabas, A., Kucuktas, H., Dunham, R.A., Liu, Z., 2002a. Molecular characterization and differential expression of the myostatin gene in channel catfish (*Ictalurus punctatus*). *Biochim. Biophys. Acta* 1575, 99-107.
 43. Kocabas, A.M., Li, P., Cao, D., Karsi, A., He, C., Patterson, A., Ju, Z., Dunham, R.A., Liu, Z., 2002b. Expression profile of the channel catfish spleen: analysis of genes involved in immune functions. *Mar. Biotechnol.* 4, 526-536.
 44. Kondo, S., Kuwahara, Y., Kondo, M., Naruse, K., Mitani, H., Wakamatsu, Y., Ozato, K., Asakawa, S., Shimizu, N., Shima, A., 2001. The medaka rs-3 locus required for scale development encodes ectodysplasin-A receptor. *Brief Communication*, 1202-1206.
 45. Kucuktas, H., Wang, S., Li, P., He, C., Xu, P., Sha, Z., Liu, H., Jiang, Y., Baoprasertkul, P., Somridhivej, B., Wang, Y., Abernathy, J., Guo, X., Liu, L., Muir, W., Liu, Z.J., 2009.

- Construction of genetic linkage maps and comparative genome analysis of catfish using gene-associated markers. *Genetics* 181, 1649-1660.
46. Lamkom, T., Kucuktas, H., Liu, Z.J., Li, P., Na-Nakorn, U., Klinbunya, S., Hutson, A., Chaimongkol, A., Ballenger, J., Umali, G., and Dunham, R., 2008. Microsatellite Variation among Domesticated Populations of Channel (*Ictalurus punctatus*) and Blue Catfish (*I. furcatus*). *Kasetsart Fisheries Bulletin* 32:37-47.
 47. Li, C., Zhang, Y., Wang, R., Lu, J., Nandi, S., Mohanty, S., Terhune, J., Liu, Z., Peatman, E., 2012. RNA-Seq analysis of mucosal immune responses reveals signatures of intestinal barrier disruption and pathogen entry following *Edwardsiella ictaluri* infection in channel catfish, *Ictalurus punctatus*. *Fish and Shellfish Immunology* 32, 816-827.
 48. Li, P., Peatman, E., Wang, S., Feng, J., He, C., Baoprasertkul, P., Xu, P., Kucuktas, H., Nandi, S., Somridhivej, B., Serapion, J., Simmons, M., Turan, C., Liu, L., Muir, W., Dunham, R., Brady, Y., Grizzle, J., Liu, Z.J., 2007. Towards the ictalurid catfish transcriptome: generation and analysis of 31,215 catfish ESTs. *BMC Genomics* 8, 177.
 49. Li, C., W, R., Waldbieser, G.C., 2006. Production and utilization of a high-density oligonucleotide microarray in channel catfish, *Ictalurus punctatus*. *BMC Genomics* 7, 134.
 50. Lida, Y., Hibiya, K., Inohaya, K., and Kudo, A., 2014. Eda/Edar Signaling Guides Fin Ray Formation With Preceding Osteoblast Differentiation, as Revealed by Analyses of the Medaka All-fin Less Mutant afl. *Developmental Dynamics*, 765-777.
 51. Liu, S., Sun, L., Li, Y., Sun, F., Jiang, Y., Zhang, Y., Zhang, J., Feng, J., Kaltenboeck, L., Kucuktas, H., Liu, Z., 2014. Development of the catfish 250K SNP array for genome-wide association studies. *BMC Res Notes*. doi: 10.1186/1756-0500-7-135.
 52. Liu, S., Wang, X., Sun, F., Zhang, J., Feng, J., Liu, H., Rajendran, K.V., Sun, L., Zhang, Y.,

- Jiang, Y., Kaltenboeck, L., Kucuktas, H., Liu, Z.J., 2013. RNA-Seq reveals expression signatures of genes involved in oxygen transport, protein synthesis, folding and degradation in response to heat stress in catfish. *Physiological Genomics* 45, 462-476.
53. Liu, S., Zhou, Z., Lu, J., Sun, F., Wang, S., Liu, H., Jiang, Y., Kucuktas, H., Kaltenboeck, L., Peatman, E., Liu, Z.J., 2011a. Generation of genome-scale gene-associated SNPs in catfish for the construction of a high-density SNP array. *BMC Genomics* 12, 53.
54. Liu, Z., 2011b. Development of genomic resources in support of sequencing, assembly, and annotation of the catfish genome. *Comparative biochemistry and physiology. Part D, Genomics & proteomics* 6, 11-17.
55. Liu, Z.J., 2011c. *Next Generation Sequencing and Whole Genome Selection in Aquaculture*. Wiley and Blackwell Publishing, Ames, IA.
56. Liu, Z.J., Cordes, J., 2004. DNA marker technologies and their applications in aquaculture genetics. *Aquaculture* 238, 1-37.
57. Liu, Z.J., Li, P., Argue, B., Dunham, R., 1998a. Inheritance of RAPD markers in channel catfish (*Ictalurus punctatus*), blue catfish (*I. furcatus*) and their F1, F2 and backcross hybrids. *Animal Genetics* 29, 58-62.
58. Liu, Z.J., Li, P., Argue, B.J., Dunham, R., 1999a. Random amplified polymorphic DNA markers: usefulness for gene mapping and analysis of genetic variation of catfish. *Aquaculture* 174, 59-68.
59. Liu, Z.J., Li, P., Kocabas, A., Ju, Z., Karsi, A., Cao, D., Patterson, A., 2001. Microsatellite-containing genes from the channel catfish brain: evidence of trinucleotide repeat expansion in the coding region of nucleotide excision repair gene RAD23B, *Biochemical and Biophysical Research Communications* 289, 317-324.

60. Liu, Z.J., Li, P., Kucuktas, H., Nichols, A., Tan, G., Zheng, X., Argue, B.J., Yant, R., Dunham, R., 1999b. Development of AFLP markers for genetic linkage mapping analysis using channel catfish and blue catfish interspecific hybrids. *Trans. Am. Fish. Soc.* 128, 317-327.
61. Liu, Z.J., Nichols, A., Li, P., Dunham, R.A., 1998b. Inheritance and usefulness of AFLP markers in channel catfish (*Ictalurus punctatus*), blue catfish (*I. furcatus*), and their F1, F2, and backcross hybrids. *Molecular and General Genetics* 258, 260-268.
62. Liu, Z.J., Tan, G., Kucuktas, H., Li, P., Karsi, A., Yant, D.R., Dunham, R.A., 1999c. High levels of conservation at microsatellite loci among Ictalurid catfishes. *J. Heredity* 90, 307-312.
63. Liu, Z.J., Tan, G., Li, P., Dunham, R.A., 1999d. Transcribed dinucleotide microsatellites and their associated genes from channel catfish, *Ictalurus punctatus*. *Biochemical and Biophysical Research Communications* 259, 190-194.
64. Maddison, D.R., Schulz, K.-S., Maddison, W.P., 2007. The Tree of Life Web Project. <http://tolweb.org>.
65. Luo, C., Tsementzi, D., Kyrpides, N., Read, T., Konstantinidis, K.T., 2012. Direct comparisons of Illumina vs. Roche 454 sequencing technologies on the same microbial community DNA sample. *PloS one* 7.
66. Marcais, G., Kingsford, C., 2011. A fast, lock-free approach for efficient parallel counting of occurrences of k-mers. *Bioinformatics* 27:764-770.
67. Mardis, E.R., 2008. Next-generation DNA sequencing methods. *Annual review of genomics and human genetics* 9, 387-402.
68. Nelson, J.S. 1994. *Fishes of the world*, third edition. John Wiley and Sons, ISBN 0471547131.
69. Ninwichian, P., Peatman, E., Liu, H., Kucuktas, H., Somridhivej, B., Liu, S., Li, P., Jiang, Y., Sha, Z., Kaltenboeck, M., Abernathy, J., Wang, W., Chen, F., Lee, Y., Wong, L., Wang, S., Lu,

- J., Liu, Z.J., 2012. Second generation genetic linkage map and its integration with the BAC-based physical map in channel catfish. *G3: Genes, Genomes, Genetics* 2: 1233-1241.
70. Nonneman, D., Waldbieser, G.C., 2005. Isolation and enrichment of abundant microsatellites from a channel catfish (*Ictalurus punctatus*) brain cDNA library. *Anim. Biotechnol.* 16, 103-116
71. Ostariophysi, C., Shimabukuro-dias, C.K., Oliveira, C., Reis, R.E., 2004. Molecular phylogeny of the armored catfish family Callichthyidae (Ostariophysi, Siluriformes). *Molecular Phylogenetics and Evolution* 32, 152-163.
72. Peatman, E., 2012. Chapter 13, Catfish Functional Genomics: Progress and Perspectives. *Functional Genomics in Aquaculture*, 349-360.
73. Peatman, E., Terhune, J., Baoprasertkul, P., Xu, P., Nandi, S., Wang, S., Somridhivej, B., Kucuktas, H., Li, P., Dunham, R., Liu, Z., 2008. Microarray analysis of gene expression in the blue catfish liver reveals early activation of the MHC class I pathway after infection with *Edwardsiella ictaluri*. *Mol. Immunol.* 45, 553-566.
74. Podkowa, D., Goniakowska-Witalińska, L., 2003. Morphology of the air-breathing stomach of the catfish *Hypostomus plecostomus*. *Journal of morphology*. doi:10.1002/jmor.10102
75. Quince, C., Lanzén, A., Curtis, T.P., Davenport, R.J., Hall, N., Head, I.M., Read, L.F., Sloan, W.T., 2009. Accurate determination of microbial diversity from 454 pyrosequencing data. *Nature methods* 6, 639-641.
76. Rank, D., Baybayan, P., Bettman, B., Bibillo, A., Bjornson, K., Chaudhuri, B., Christians, F., Cicero, R., Clark, S., Dalal, R., Dixon, J., Foquet, M., Gaertner, A., Hardenbol, P., Heiner, C., Hester, K., Holden, D., Kearns, G., Kong, X., Kuse, R., Lacroix, Y., Lin, S., Lundquist, P., Ma, C., Marks, P., Maxham, M., Murphy, D., Park, I., Pham, T., Phillips, M., Roy, J., Sebra, R.,

- Shen, G., Sorenson, J., Tomaney, A., Travers, K., Trulson, M., Vieceli, J., Wegener, J., Wu, D., Yang, A., Zaccarin, D., Zhao, P., Zhong, F., Korlach, J., Turner, S., 2009. Real-Time DNA Sequencing from Single Polymerase Molecules. *Science* 323, 133-138.
77. Ravi, V., Venkatesh, B., 2008. Rapidly evolving fish genomes and teleost diversity. *Curr Opin Genet Dev* 18, 544-550.
78. Robinson, E.H., Li, M.H., 2010. Channel Catfish, *Ictalurus punctatus*, Size and Feed Conversion Ratio. *Journal of the World Aquaculture Society* 41, 829-833.
79. Rohner, N., Bercsenyi, M., Orban, L., Kolanczyk, M.E., Linke, D., Brand, M., Nüsslein-Volhard, C., Harris, M.P., 2009. Duplication of *fgfr1* permits Fgf signaling to serve as a target for selection during domestication. *Curr Biol* 19, 1642-1647.
80. Rothberg, J.M., Leamon, J.H., 2008. The development and impact of 454 sequencing. *Nature biotechnology* 26, 1117-1124.
81. Rudzinsky, E., 1928a. Uber Kreuzungsversuche bei Karpfen I. *Fischerei Z* 30, 593-597.
82. Rudzinsky, E., 1928b. Uber Kreuzungsversuche bei Karpfen II. *Fischerei Z* 31, 613-618.
83. Sabaj, M.H. and Ferraris, C.J., 2003. Doradidae (Thorny catfishes). 456-469.
84. Salem, 2012. Chapter 11, Next-Generation Sequencing and Functional Genomic Analysis in Rainbow Trout. *Functional Genomics in Aquaculture*, 321-337.
85. Sasai, N., Briscoe, J., 2012. Primary cilia and graded sonic hedgehog signaling. *Wiley interdisciplinary reviews: Developmental Biology* 5, 753-772.
86. Serapion, J., Kucuktas, H., Feng, J., Liu, Z.J., 2004. Bioinformatic Mining of Type I Microsatellites from Expressed Sequence Tags of Channel Catfish (*Ictalurus punctatus*). *Marine Biotechnology* 6, 364-377.
87. Sharpe, P.T., 2001. Fish scale development: Hair today, teeth and scales yesterday? *Current*

biology: CB 11, R751-752.

88. Sire, J.Y., Akimenko, M.A., 2004. Scale development in fish: a review, with description of sonic hedgehog (shh) expression in the zebrafish (*Danio rerio*). *The International journal of developmental biology* 48, 233-247.
89. Somridhivej, B., Wang, S., Sha, Z., Liu, H., Quilang, J., Xu, P., Li, P., Liu, Z.J., 2008. Characterization, polymorphism assessment, and database construction for microsatellites from BAC end sequences of catfish: a resource for integration of linkage and physical maps. *Aquaculture* 275, 76-80.
90. Star, B., Nederbragt, A.J., Jentoft, S., Grimholt, U., Malmstrøm, M., Gregers, T.F., Rounge, T.B., Paulsen, J., Solbakken, M.H., Sharma, A., Wetten, O.F., Lanzén, A., Winer, R., Knight, J., Vogel, J.-H., Aken, B., Andersen, O., Lagesen, K., Tooming-Klunderud, A., Edvardsen, R.B., Tina, K.G., Espelund, M., Nepal, C., Previti, C., Karlsen, B.O., Moum, T., Skage, M., Berg, P.R., Gjøn, T., Kuhl, H., Thorsen, J., Malde, K., Reinhardt, R., Du, L., Johansen, S.D., Searle, S., Lien, S., Nilsen, F., Jonassen, I., Omholt, S.W., Stenseth, N.C., Jakobsen, K.S., 2011. The genome sequence of Atlantic cod reveals a unique immune system. *Nature* 477, 207-210.
91. Sullivan, J.P., Lundberg, J.G., Hardman, M., 2006. A phylogenetic analysis of the major groups of catfishes (Teleostei: Siluriformes) using rag1 and rag2 nuclear gene sequences. *Molecular phylogenetics and evolution* 41, 636-662.
92. Sun, L., Liu, S., Wang, R., Jiang, Y., Zhang, Y., Zhang, J., Bao, L., Kaltenboeck, L., Dunham, R., Waldbieser, G., Liu, Z., 2014. Identification and analysis of genome-wide SNPs provide insight into signatures of selection and domestication in channel catfish (*Ictalurus punctatus*). *PLoS One*, in publication.

93. Sun, F., Peatman, E., Li, C., Liu, S., Jiang, Y., Zhou, Z., Liu, Z., 2012. Transcriptomic signatures of attachment, NF- κ B suppression and IFN stimulation in the catfish gill following *columnaris* bacterial infection. *Developmental and comparative immunology* 38, 169-180.
94. Tan, G., Karsi, A., Li, P., Kim, S., Zheng, X., Kucuktas, H., Argue, B.J., Dunham, R.A., Liu, Z.J., 1999. Polymorphic microsatellite markers in *Ictalurus punctatus* and related catfish species. *Molecular Ecology* 8, 1758-1760.
95. Tiersch, T.R., Goudie, G.A., 1993. Inheritance and variation of genome size in half-sib families of hybrid ictalurid catfishes. *Journal of Heredity* 84, 122-125.
96. Thomas, G., Moffatt, P., Salois, P., Gaumond, M.-H., Gingras, R., Godin, E., Miao, D., Goltzman, D., Lanctôt, C., 2003. Osteocrin, a novel bone-specific secreted protein that modulates the osteoblast phenotype. *The Journal of biological chemistry* 278, 50563-50571.
97. USDA, 2006. Catfish Processing Report. National Agriculture Statistics Service, Service USDA Washington, D.C.
98. Varki, A., Altheide, T.K., 2005. Comparing the human and chimpanzee genomes: searching for needles in a haystack. *Genome research* 15, 1746-1758.
99. Venkatesh, B., Lee, A.P., Ravi, V., Maurya, A.K., Lian, M.M., Swann, J.B., Ohta, Y., Flajnik, M.F., Sutoh, Y., Kasahara, M., Hoon, S., Gangu, V., Roy, S.W., Irimia, M., Korzh, V., Kondrychyn, I., Lim, Z.W., Tay, B.-H., Tohari, S., Kong, K.W., Ho, S., Lorente-Galdos, B., Quilez, J., Marques-Bonet, T., Raney, B.J., Ingham, P.W., Tay, A., Hillier, L.W., Minx, P., Boehm, T., Wilson, R.K., Brenner, S., Warren, W.C., 2014. Elephant shark genome provides unique insights into gnathostome evolution. *Nature* 505, 174-179.
100. Wang, R., Sun, L., Bao, L., Zhang, J., Jiang, Y., Yao, J., Song, L., Feng, J., Liu, S., Liu, Z., 2013. Bulk segregant RNA-seq reveals expression and positional candidate genes and allele-

- specific expression for disease resistance against enteric septicemia of catfish. *BMC Genomics* 14, 929.
101. Wang, S., Abernathy, J., Waldbieser, G., Lindquist, E., Richardson, P., Lucas, S., Wang, M., Li, P., Thimmapuram, J., Liu, L., Vullaganti, D., Kucuktas, H., Murdock, C., Small, B., Wilson, M., Liu, H., Jiang, Y., Lee, Y., Chen, F., Lu, J., Wang, W., Peatman, E., Xu, P., Somridhivej, B., Baoprasertkul, P., Quilang, J., Sha, Z., Bao, B., Wang, Y., Wang, Q., Takano, T., Nandi, S., Liu, S., Wong, L., Kaltenboeck, L., Quiniou, S., Bengten, E., Miller, N., Trant, J., Rokhsar, D., Liu, Z.J., Catfish Genome Consortium, 2010. Assembly of 500,000 inter-specific catfish expressed sequence tags and large scale gene-associated marker development for whole genome association studies. *Genome Biology* 11, R8.
102. Waldbieser, G.C., Wolters, W.R., 2007. Definition of the USDA103 strain of channel catfish (*Ictalurus punctatus*). *Animal genetics* 38, 180-183.
103. Wang, S., Sha, Z., Sonstegard, T.S., Liu, H., Xu, P., Somridhivej, B., Peatman, E., Kucuktas, H., Liu, Z., 2008. Quality assessment parameters for EST-derived SNPs from catfish. *BMC Genomics* 9, 450.
104. Wellborn, T.L., 1988. Channel Catfish Life History and Biology. SRAC publication 180.
105. Xu, P., Wang, S., Liu, L., Peatman, E., Somridhivej, B., Thimmapuram, J., Gong, G., Liu, Z.J., 2006. Channel catfish BAC-end sequences for marker development and assessment of syntenic conservation with other fish species. *Animal Genetics* 37, 321-326.
106. Xu, P., Wang, S., Liu, L., Thorsen, J., Kucuktas, H., Liu, Z.J., 2007. A BAC-based physical map of the channel catfish genome. *Genomics* 90, 380-388.
107. Xu, P., Zhang, X., Wang, X., Li, J., Liu, G., Kuang, Y., Xu, J., Zheng, X., Ren, L., Wang, G., Zhang, Y., Huo, L., Zhao, Z., Cao, D., Lu, C., Li, C., Zhou, Y., Liu, Z., Fan, Z., Shan, G., Li,

X., Wu, S., Song, L., Hou, G., Jiang, Y., Jeney, Z., Yu, D., Wang, L., Shao, C., Song, L., Sun, J., Ji, P., Wang, J., Li, Q., Xu, L., Sun, F., Feng, J., Wang, C., Wang, S., Wang, B., Li, Y., Zhu, Y., Xue, W., Zhao, L., Wang, J., Gu, Y., Lv, W., Wu, K., Xiao, J., Wu, J., Zhang, Z., Yu, J., Sun, X., 2014. Genome sequence and genetic diversity of the common carp, *Cyprinus carpio*. Nature Genetics. doi:10.1038/ng.3098.

108.Zhang, J.R., Jiang, Y.L., Sun, F.Y., Zhang, Y., Wang, R.J., Li, C., Liu, S.K., Liu, Z.J., 2012. Chapter 2, Genomic Resources for Functional Genomics in Aquaculture Species. Functional Genomics in Aquaculture, 41-78.

Supplemental table 1. Common plecostomus unique gene list

ID	gene_name (unique gene names)
NP_998225.1	3-methyl-2-oxobutanoate dehydrogenase lipoamide kinase, mitochondrial
NP_001187592.1	Protein ADP-ribosylarginine hydrolase
NP_001104628.1	Pyruvate dehydrogenase acetyl-transferring -phosphatase 1, mitochondrial
NP_957290.1	Pyruvate dehydrogenase lipoamide kinase isozyme 2, mitochondrial
ELW48285.1	Pyruvate dehydrogenase lipoamide kinase isozyme 3, mitochondrial
NP_001122176.1	Pyruvate dehydrogenase lipoamide kinase isozyme 4, mitochondrial
NP_001135332.1	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase
ADI60062.1	11 beta-hydroxysteroid dehydrogenase type 2
NP_956802.2	116 kDa U5 small nuclear ribonucleoprotein component
NP_035561.1	116 kDa U5 small nuclear ribonucleoprotein component isoform a
NP_001117736.1	11-beta-hydroxylase
NP_001025272.1	11-cis retinol dehydrogenase
NP_001070178.2	12-lipoxygenase
ADF97628.1	14 kDa apolipoprotein
NP_001188125.1	14 kDa phosphohistidine phosphatase
ELK30240.1	14-3-3 protein beta/alpha
ACO09912.1	14-3-3 protein beta/alpha-2
NP_997770.1	14-3-3 protein epsilon
NP_998187.1	14-3-3 protein gamma-1
EFN72044.1	14-3-3 protein zeta
NP_001117942.1	14-3-3C1 protein
NP_001117944.1	14-3-3E1 protein
AAR89625.1	14-alpha demethylase
NP_001134545.1	15.5 kDa protein
ACM09410.1	15-hydroxyprostaglandin dehydrogenase
ACN66287.1	17 beta hydroxysteroid dehydrogenase 4
AAS58451.1	17-beta hydroxysteroid dehydrogenase type 3
ACI69584.1	17-beta-hydroxysteroid dehydrogenase 14
ELK17735.1	182 kDa tankyrase-1-binding protein
ACY30369.1	1-acylglycerol-3-phosphate O-acyltransferase 3
NP_998157.1	1-acyl-sn-glycerol-3-phosphate acyltransferase delta
NP_001070213.2	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon
NP_998590.1	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
NP_001133648.1	1-acyl-sn-glycerol-3-phosphate acyltransferase zeta
NP_001014345.1	1-aminocyclopropane-1-carboxylate synthase-like protein 1
NP_001133318.1	1-O-acylceramide synthase precursor
NP_001092893.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3-A
NP_001120777.1	1-phosphatidylinositol-3-phosphate 5-kinase
NP_001116245.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-3
NP_001167177.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-4
NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
NP_919388.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1
NP_001038433.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2
AAB87150.1	2',3'-cyclic-nucleotide 3'-phosphodiesterase gRICH70
NP_001076813.1	2,4-dienoyl CoA reductase 1, mitochondrial
ACO09743.1	2,4-dienoyl-CoA reductase, mitochondrial precursor
XP_001608924.1	200 kDa antigen p200
AFF60185.1	20beta-hydroxysteroid dehydrogenase
NP_001008645.1	24-dehydrocholesterol reductase
EKC29780.1	26S protease regulatory subunit 4
NP_035318.1	26S protease regulatory subunit 7
ACO09830.1	26S protease regulatory subunit 8
NP_001003832.1	26S protease regulatory subunit S10B
NP_957478.1	26S proteasome non-ATPase regulatory subunit 1
NP_001187332.1	26S proteasome non-ATPase regulatory subunit 13
NP_001077042.1	26S proteasome non-ATPase regulatory subunit 14
NP_956840.1	26S proteasome non-ATPase regulatory subunit 2
NP_001133516.1	26S proteasome non-ATPase regulatory subunit 3
NP_001002112.1	26S proteasome non-ATPase regulatory subunit 4
NP_956585.1	26S proteasome non-ATPase regulatory subunit 6
NP_001187812.1	26S proteasome non-ATPase regulatory subunit 8
NP_956504.1	28 kDa heat- and acid-stable phosphoprotein
BAB40960.1	28kDa-2 apolipoprotein
NP_001002485.1	28S ribosomal protein S15, mitochondrial
ACI66496.1	28S ribosomal protein S15, mitochondrial precursor
NP_001018395.1	28S ribosomal protein S17, mitochondrial
ACI66878.1	28S ribosomal protein S18b, mitochondrial precursor
NP_001074162.1	28S ribosomal protein S2, mitochondrial
NP_001002418.1	28S ribosomal protein S26, mitochondrial
NP_001003778.1	28S ribosomal protein S27, mitochondrial
NP_001082840.1	28S ribosomal protein S30, mitochondrial
ACI33498.1	28S ribosomal protein S31, mitochondrial precursor
NP_001165334.1	28S ribosomal protein S33, mitochondrial
NP_001070064.1	28S ribosomal protein S5, mitochondrial precursor
NP_001038921.1	28S ribosomal protein S6, mitochondrial
NP_001038861.1	28S ribosomal protein S9, mitochondrial

NP_001116095.1 2-acylglycerol O-acyltransferase 1
 ADO28307.1 2-amino-3-carboxymuconate-6-semialdehyde decarboxylase
 NP_001166025.1 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial
 ACI67339.1 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial precursor
 NP_998358.1 2-aminoethanethiol (cysteamine) dioxygenase b
 ACO13857.1 2-aminoethanethiol dioxygenase
 NP_001156671.1 2'-deoxynucleoside 5'-phosphate N-hydrolase 1
 NP_998250.1 2-hydroxyacyl-CoA lyase 1
 NP_001037790.1 2-hydroxyacylsphingosine 1-beta-galactosyltransferase precursor
 NP_001004541.1 2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial precursor
 NP_001073641.1 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazole decarboxylase
 NP_955983.1 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1
 NP_001073538.1 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 2
 NP_001154085.1 3'(2'),5'-bisphosphate nucleotidase 1
 AFM89644.1 3'(2'),5'-bisphosphate nucleotidase 1-like protein
 YP_007086032.1 30S ribosomal protein S1
 NP_001139039.1 3'-5' exoribonuclease CSL4 homolog
 ACM08690.1 39S ribosomal protein L1, mitochondrial precursor
 NP_001002556.1 39S ribosomal protein L11, mitochondrial
 ACQ59010.1 39S ribosomal protein L12, mitochondrial precursor
 NP_001018370.1 39S ribosomal protein L13, mitochondrial
 NP_957441.1 39S ribosomal protein L14, mitochondrial precursor
 ACM08826.1 39S ribosomal protein L16, mitochondrial precursor
 NP_001004683.1 39S ribosomal protein L17, mitochondrial
 NP_001038824.1 39S ribosomal protein L20, mitochondrial
 NP_001070936.1 39S ribosomal protein L21, mitochondrial
 NP_001116093.1 39S ribosomal protein L22, mitochondrial
 ACI68821.1 39S ribosomal protein L22, mitochondrial precursor
 NP_001002052.1 39S ribosomal protein L23, mitochondrial
 NP_001018516.1 39S ribosomal protein L27, mitochondrial
 ACI68622.1 39S ribosomal protein L28, mitochondrial precursor
 NP_956301.1 39S ribosomal protein L3, mitochondrial
 NP_001018597.1 39S ribosomal protein L30, mitochondrial
 NP_001076324.1 39S ribosomal protein L37, mitochondrial
 NP_956209.1 39S ribosomal protein L39, mitochondrial
 ACO13391.1 39S ribosomal protein L40, mitochondrial precursor
 NP_001018603.1 39S ribosomal protein L41, mitochondrial precursor
 NP_001002428.1 39S ribosomal protein L43, mitochondrial
 NP_001025431.2 39S ribosomal protein L44, mitochondrial
 NP_956601.1 39S ribosomal protein L45, mitochondrial
 ACI68417.1 39S ribosomal protein L45, mitochondrial precursor
 NP_001002518.1 39S ribosomal protein L46, mitochondrial
 ACO13745.1 39S ribosomal protein L47, mitochondrial precursor
 ACQ58001.1 39S ribosomal protein L48, mitochondrial precursor
 ACI67749.1 39S ribosomal protein L52, mitochondrial precursor
 ACQ57980.1 39S ribosomal protein L55, mitochondrial precursor
 ACJ24595.1 3beta-hydroxysteroid dehydrogenase type II
 NP_001002328.1 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
 NP_001119931.1 3-hydroxy-3-methylglutaryl-Coenzyme A reductase
 NP_001073446.1 3-hydroxy-3-methylglutaryl-Coenzyme A reductase a
 NP_001014314.1 3-hydroxy-3-methylglutaryl-Coenzyme A reductase b
 ADO28380.1 3-hydroxyacyl-CoA dehydrogenase type-2
 ACO09257.1 3-hydroxyanthranilate 3,4-dioxygenase
 NP_001017809.1 3-hydroxybutyrate dehydrogenase type 2
 NP_001014338.1 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial
 ACN11180.1 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial precursor
 NP_998217.1 3-ketoacyl-CoA thiolase, mitochondrial
 NP_957433.1 3-ketodihydrosphingosine reductase
 NP_001070796.1 3-keto-steroid reductase
 NP_001134686.1 3-oxo-5-alpha-steroid 4-dehydrogenase 2
 NP_001187513.1 3-oxo-5-beta-steroid 4-dehydrogenase
 NP_001007292.1 3-oxoacid CoA transferase 1a
 ACO14181.1 3-oxoacyl-acyl-carrier-protein reductase
 NP_001086814.1 3'-phosphoadenosine 5'-phosphosulfate synthase 1
 NP_991262.1 3-phosphoinositide-dependent protein kinase 1
 NP_001135207.1 4,5-dihydroxyphthalate dehydrogenase
 NP_001187218.1 40S ribosomal protein S11
 NP_956340.1 40S ribosomal protein S12
 NP_001187078.1 40S ribosomal protein S15
 ACO08780.1 40S ribosomal protein S17
 NP_001187082.1 40S ribosomal protein S19
 NP_001187067.1 40S ribosomal protein S2
 ACN10021.1 40S ribosomal protein S23
 NP_001187246.1 40S ribosomal protein S24
 NP_957109.1 40S ribosomal protein S25
 NP_998199.1 40S ribosomal protein S28
 NP_001134590.1 40S ribosomal protein S29
 NP_001187068.1 40S ribosomal protein S3
 NP_001187091.1 40S ribosomal protein S30

ADO29317.1 40S ribosomal protein s3a
 AFM85652.1 40S ribosomal protein S3-like protein
 NP_001187069.1 40S ribosomal protein S4
 ELK06982.1 40S ribosomal protein S6
 NP_001187073.1 40S ribosomal protein S8
 EKC29671.1 40S ribosomal protein S9
 NP_957346.1 40S ribosomal protein SA
 NP_840090.1 43 kDa receptor-associated protein of the synapse
 NP_001121822.1 44.1 protein-like
 NP_998252.1 45 kDa calcium-binding protein precursor
 NP_958906.2 4-aminobutyrate aminotransferase, mitochondrial
 ACQ58428.1 4-hydroxyphenylpyruvate dioxygenase
 NP_001027905.1 4Snc-Tudor domain protein
 NP_001002749.1 5,6-dihydroxyindole-2-carboxylic acid oxidase precursor
 NP_001002680.1 52 kDa repressor of the inhibitor of the protein kinase
 NP_001134045.1 52 kDa Ro protein
 NP_957327.2 5'-3' exoribonuclease 1
 NP_001001944.2 5'-3' exoribonuclease 2
 NP_999857.1 55 kDa erythrocyte membrane protein
 NP_571757.1 5-aminolevulinic synthase, erythroid-specific, mitochondrial
 NP_958444.1 5-aminolevulinic synthase, nonspecific, mitochondrial
 NP_001103756.1 5'-AMP-activated protein kinase catalytic subunit alpha-1
 NP_001002632.1 5'-AMP-activated protein kinase subunit beta-1
 NP_001124105.1 5'-AMP-activated protein kinase subunit beta-2
 ADO27771.1 5'-AMP-activated protein kinase subunit gamma-1
 AFM56035.1 5'-AMP-activated protein kinase subunit gamma-3 type I
 NP_001187620.1 5-formyltetrahydrofolate cyclo-ligase
 ACI66589.1 5-hydroxyisourate hydrolase
 NP_001139238.1 5-hydroxytryptamine (serotonin) receptor 1A b
 NP_001119882.2 5-hydroxytryptamine (serotonin) receptor 5A
 NP_001007122.1 5-hydroxytryptamine (serotonin) receptor 5A like
 ACM51386.2 5-hydroxytryptamine receptor 2A
 NP_001038208.1 5-hydroxytryptamine receptor 2B
 NP_001123365.1 5-hydroxytryptamine receptor 2C
 ELW68546.1 5-hydroxytryptamine receptor 6
 CAB43554.1 5'-nucleotidase
 NP_001096388.1 5'-nucleotidase domain containing 2
 NP_001070611.1 5'-nucleotidase domain-containing protein 2
 NP_957226.1 5'-nucleotidase precursor
 NP_001004549.1 5'-nucleotidase, cytosolic II, like 1
 NP_958830.1 5'-nucleotidase, cytosolic IIa
 NP_001186988.1 5-oxoprolinase
 NP_851847.1 60 kDa heat shock protein, mitochondrial
 NP_001032474.1 60 kDa SS-A/Ro ribonucleoprotein
 NP_956323.1 60S acidic ribosomal protein P1
 ELK38183.1 60S acidic ribosomal protein P2
 NP_001187211.1 60S ribosomal protein L10a
 NP_001187045.1 60S ribosomal protein L18
 NP_001187048.1 60S ribosomal protein L22
 NP_001187683.1 60S ribosomal protein L22-like 1
 ELK17381.1 60S ribosomal protein L26-like 1
 ACI68468.1 60S ribosomal protein L27
 ADO28770.1 60S ribosomal protein L27a
 NP_001129607.1 60S ribosomal protein L28 isoform 3
 ADO28780.1 60S ribosomal protein L3
 NP_956322.1 60S ribosomal protein L30
 ACN09978.1 60S ribosomal protein L31
 ELW67802.1 60S ribosomal protein L3-like protein
 ACI66198.1 60S ribosomal protein L5
 NP_001187036.1 60S ribosomal protein L7a
 ADO28324.1 60S ribosomal protein L7-like 1
 ADO29331.1 60S ribosomal protein L8
 NP_001187038.1 60S ribosomal protein L9
 NP_001096512.1 60S ribosome subunit biogenesis protein NIP7 homolog
 ELK16513.1 65 kDa Yes-associated protein
 NP_956102.1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
 NP_957302.1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2a
 NP_998562.1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
 NP_001032454.1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
 NP_942111.1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4, like
 CBN81760.1 6-phosphofructokinase type C
 ELV10342.1 6-phosphofructokinase, liver type
 NP_998618.1 6-phosphogluconate dehydrogenase, decarboxylating isoform 1
 ACO13366.1 6-phosphogluconolactonase
 ACM08556.1 6-pyruvoyl tetrahydrobiopterin synthase
 NP_001187151.1 6-pyruvoyl-tetrahydropterin synthase
 XP_003377890.1 7 transmembrane receptor
 NP_998583.1 7,8-dihydro-8-oxoguanine triphosphatase precursor
 NP_001096089.2 72 kDa inositol polyphosphate 5-phosphatase

NP_958487.1 7-dehydrocholesterol reductase
 NP_001122001.1 7SK snRNA methylphosphate capping enzyme
 NP_998262.1 85 kDa calcium-independent phospholipase A2
 NP_001017843.1 8-oxo-dGDP phosphatase NUDT18
 NP_001070186.1 a disintegrin and metalloproteinase domain 28 precursor
 NP_955967.1 a disintegrin and metalloproteinase domain 17a precursor
 NP_001186998.1 a disintegrin and metalloproteinase domain 8 precursor
 NP_001004678.1 a disintegrin and metalloproteinase domain 9 precursor
 EHB04223.1 A disintegrin and metalloproteinase with thrombospondin motifs 10
 NP_001116746.1 A disintegrin and metalloproteinase with thrombospondin motifs 10 precursor
 NP_001119901.1 A disintegrin and metalloproteinase with thrombospondin motifs 15 precursor
 NP_001244125.1 A disintegrin and metalloproteinase with thrombospondin motifs 9
 NP_001091649.2 A kinase anchor protein 1, mitochondrial
 AA125960.1 A2ml protein
 AA124831.1 Aadacl4 protein
 NP_001116521.1 aarF domain containing kinase 1
 NP_001189455.1 aarF domain containing kinase 5
 AAH71378.1 Aars protein, partial
 AAH95857.1 Aatf protein
 AAP92539.1 Ab1-108
 AAP92551.1 Ab1-205
 AFR69055.1 ABC transporter B family member 4, partial
 AA155342.1 Abcb6 protein
 ACB97645.1 Abcc4
 AA163584.1 Abcc9 protein
 AAH66505.1 Abcf2 protein
 AA165808.1 Abhd2a protein
 NP_001038808.1 abhydrolase domain containing 12B
 NP_956661.1 abhydrolase domain-containing protein 14B
 NP_001073145.1 abhydrolase domain-containing protein 2-B
 NP_001004569.1 abhydrolase domain-containing protein 3
 NP_001017613.1 abhydrolase domain-containing protein 4
 EHH63278.1 Abhydrolase domain-containing protein FAM108C1, partial
 CBN82148.1 AB11 protein
 NP_001070175.1 abl interactor 1
 NP_001038762.1 abl interactor 2
 NP_001185500.1 abl interactor 2 isoform 2
 CBN82147.1 Abl-interactor 1
 NP_001116845.1 abnormal spindle-like microcephaly-associated protein
 AAP78762.1 Ac1288
 AAH66503.1 Acad8 protein, partial
 AA155202.1 Acadvl protein
 NP_957303.1 acetoacetyl-CoA synthetase
 NP_956960.2 acetolactate synthase-like protein
 NP_571520.1 acetylcholine receptor subunit alpha precursor
 AEN14504.1 acetylcholine receptor subunit beta 1
 NP_001240739.1 acetylcholine receptor subunit beta precursor
 NP_996947.1 acetylcholine receptor subunit delta precursor
 NP_001241879.1 acetylcholine receptor subunit gamma-like precursor
 NP_571921.1 acetylcholinesterase precursor
 NP_001003746.1 acetyl-CoA acetyltransferase, mitochondrial precursor
 ADT82650.1 acetyl-CoA carboxylase alpha
 NP_957402.1 acetyl-coenzyme A transporter 1
 NP_001103947.1 acetylserotonin O-methyltransferase
 NP_571294.1 achaete-scute homolog 1a
 NP_001002452.1 acid phosphatase 5b, tartrate resistant precursor
 NP_001002430.1 acid phosphatase-like protein 2 precursor
 NP_001014360.1 acid sphingomyelinase-like phosphodiesterase 3a precursor
 NP_997768.2 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B
 ACO07463.1 Acidic leucine-rich nuclear phosphoprotein 32 family member B
 NP_998442.1 acidic leucine-rich nuclear phosphoprotein 32 family member E
 NP_999954.1 acid-sensing ion channel 1
 AAY28984.1 acid-sensing ion channel 1 transcript variant 1
 NP_999953.1 acid-sensing ion channel 2
 NP_999951.1 acid-sensing ion channel 4
 AAP45633.1 acid-sensitive ion channel 2
 ACO09534.1 ACN9 protein homolog, mitochondrial precursor
 NP_944590.1 aconitate hydratase, mitochondrial
 AA159216.1 Acot9 protein
 AAH97101.1 Acox1 protein
 AEG20935.1 acp5b
 AA155226.1 Acs11 protein
 AAH91952.1 Acs141 protein
 AAF87302.1 actin
 EAW61792.1 actin binding LIM protein family, member 3, isoform CRA_e
 NP_001070755.2 actin filament associated protein 1-like
 CBN81439.1 Actin filament-associated protein 1-like 2
 NP_919359.2 actin related protein 2/3 complex, subunit 5A
 NP_956872.1 actin related protein 2/3 complex, subunit 5-like, a

AAH75896.1 Actin, alpha 2, smooth muscle, aorta
ELR58708.1 Actin, alpha cardiac muscle 1
ELW68082.1 Actin, alpha skeletal muscle
NP_001090226.1 actin, alpha skeletal muscle 2
NP_001001409.2 actin, alpha, cardiac muscle 1a
NP_001107788.1 actin-binding LIM protein 1
NP_001107093.1 actin-binding protein IPP
NP_001003986.1 actin-binding Rho-activating protein
AAQ91217.1 actinin, alpha 2
NP_001018576.1 actin-like 6B
ELK06925.1 Actin-like protein 6B
AFE71888.1 actin-like protein 6B, partial
NP_001184183.1 actinodin1 precursor
NP_001104660.1 actinodin2 precursor
NP_001020682.1 actinodin3 precursor
NP_956464.1 actin-related protein 10
NP_001007773.1 actin-related protein 2
NP_958500.1 actin-related protein 2/3 complex subunit 1A
NP_998321.1 actin-related protein 2/3 complex subunit 1B
NP_997864.1 actin-related protein 2/3 complex subunit 2
NP_001002114.1 actin-related protein 2/3 complex subunit 3
ACO07557.1 Actin-related protein 2/3 complex subunit 5
NP_998664.1 actin-related protein 2-A
NP_001017542.1 actin-related protein 2-B
ACI69786.1 Actin-related protein 3
NP_001083025.1 actin-related protein 3B
ADO27778.1 actin-related protein 3-feb complex subunit 1b
NP_001187481.1 actin-related protein 6
NP_001133630.1 actin-related protein 8
AAH50482.1 Activated leukocyte cell adhesion molecule
CCA61107.2 activating molecule in beclin-1-regulated autophagy
NP_001017610.1 activating signal cointegrator 1 complex subunit 1
NP_956736.1 activating signal cointegrator 1 complex subunit 2
NP_001071188.1 activating transcription factor 6 beta
ACX35597.1 activating transcription factor 6-like protein
AAI63094.1 Activating transcription factor 7a
AAI63601.1 Activating transcription factor 7b
NP_001008403.1 activation-induced cytidine deaminase
ADO28097.1 activator of 90 kda heat shock protein ATPase-like protein 1
NP_001018383.1 activator of basal transcription 1
AAI63377.1 Activin A receptor, type IB
BAA83804.1 activin B
ABC72405.1 activin beta A precursor
ABC72406.1 activin beta B precursor
NP_001177870.1 activin receptor IIB precursor
ACI23558.1 activin receptor type IB
BAA06697.1 activin receptor type IIA
ACN43606.1 activin receptor type IIA isoform 1
ACN43607.1 activin receptor type IIA isoform 2
ACN43610.1 activin receptor type IIA isoform 5
ACN43611.1 activin receptor type IIA isoform 6
ACI23559.1 activin receptor type IIB
ACN11015.1 Activin receptor type-1 precursor
EGW14979.1 Activin receptor type-1B
NP_001134040.1 Activin receptor type-1B precursor
NP_001073484.1 activity-dependent neuroprotector
ACZ28496.1 Actn2
AAI00044.1 Acvr11 protein
AFK11120.1 acyl carrier protein, mitochondrial precursor
ADB57042.1 acyl-CoA dehydrogenase
NP_001133736.1 Acyl-CoA dehydrogenase family member 10
NP_956472.1 acyl-CoA dehydrogenase family member 11
NP_001038772.1 acyl-CoA dehydrogenase family member 9, mitochondrial
NP_001086893.1 acyl-CoA dehydrogenase family, member 9
NP_998100.1 acyl-CoA dehydrogenase-like
ABC75579.1 acyl-CoA hydrolase
NP_001038884.2 acyl-CoA synthetase family member 2, mitochondrial precursor
NP_001003569.1 acyl-CoA synthetase long-chain family member 1
NP_001139404.1 acyl-CoA synthetase long-chain family member 3b
NP_001074125.3 acyl-CoA synthetase short-chain family member 1
NP_001085453.1 acyl-CoA synthetase short-chain family member 2, gene 2
AAH95856.1 Acyl-CoA thioesterase 11
NP_001025129.1 acyl-CoA:lysophosphatidylglycerol acyltransferase 1
NP_998260.1 acyl-CoA-binding domain-containing protein 4
NP_001018483.1 acyl-CoA-binding domain-containing protein 5A
NP_001093558.1 acyl-CoA-binding domain-containing protein 5-B
NP_001020626.1 acyl-CoA-binding domain-containing protein 6
NP_001187742.1 acyl-CoA-binding protein
AER93591.1 acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain, partial

AAH71366.1 Acyl-Coenzyme A dehydrogenase, long chain
NP_001104706.1 acyl-coenzyme A synthetase ACSM3, mitochondrial
NP_001093445.1 acyl-coenzyme A thioesterase 11
NP_001006072.1 acyl-coenzyme A thioesterase 8
NP_001074103.1 acyl-coenzyme A thioesterase THEM4
ACI34075.1 Acylglycerol kinase, mitochondrial precursor
AAH48895.2 Acylpeptide hydrolase
NP_001187460.1 acylphosphatase-2 precursor
ADO27776.1 acyl-protein thioesterase 1
NP_957043.1 acyl-protein thioesterase 2
NP_001182159.1 ADAM metalloproteinase domain 17 precursor
NP_001079073.1 ADAM metalloproteinase domain 9
NP_001233130.1 ADAM metalloproteinase domain 9 precursor
EAX02264.1 ADAM metalloproteinase with thrombospondin type 1 motif, 17, isoform CRA_d
AEO79846.1 ADAMTS15
AAW47398.1 ADAMTS6 variant 3
NP_001177303.1 ADAMTS-like protein 3
NP_001003628.1 adapter molecule crk
NP_001134979.1 Adaptin ear-binding coat-associated protein 1
NP_001230093.1 adaptin ear-binding coat-associated protein 2
AAH49138.1 Adaptor-related protein complex 2, beta 1 subunit
EDL06943.1 adaptor-related protein complex 3, beta 2 subunit, isoform CRA_a
EDL89242.1 adaptor-related protein complex 3, delta 1 subunit, isoform CRA_a
AAI55778.1 Adaptor-related protein complex 3, mu 1 subunit
EAX02075.1 adaptor-related protein complex 3, sigma 2 subunit, isoform CRA_d
AAH83483.1 Adcyap1a protein
AAH65631.1 Add3a protein
AAQ91218.1 adducin 3 gamma
ACO09049.1 Adenine phosphoribosyltransferase
NP_001137312.1 adenomatous polyposis coli protein
NP_991198.1 adenosine 3'-phospho 5'-phosphosulfate transporter 1 precursor
NP_001035084.1 adenosine 3'-phospho 5'-phosphosulfate transporter 2
NP_001122056.1 adenosine A1 receptor
NP_001035125.1 adenosine A2a receptor b
ACI67396.1 Adenosine deaminase
NP_001027924.1 adenosine deaminase ADAR2-a variant
NP_001028889.2 adenosine deaminase CECR1-A precursor
NP_001028916.1 adenosine deaminase-like protein
ABD65567.1 adenosine kinase a
NP_942097.1 adenosine kinase b
NP_001259013.1 adenosine kinase isoform 2
ACO54867.1 adenosine monophosphate deaminase
NP_001017794.1 adenosine monophosphate-protein transferase FICD
NP_001034902.1 adenosine receptor A2b
XP_001651051.1 adenylylhomocysteinase
NP_001096154.1 adenylyl cyclase 3-like
NP_001161821.1 adenylyl cyclase type 1
NP_001093457.1 adenylyl cyclase type 2
NP_001156014.1 adenylyl cyclase type 3
NP_001165056.1 adenylyl cyclase type 5
NP_001159744.1 adenylyl cyclase type 7
NP_001137224.1 adenylyl cyclase type 8
NP_001134467.1 Adenylyl kinase
NP_997761.1 adenylyl kinase 2, mitochondrial
AAH53273.1 Adenylyl kinase 3-like 1
NP_001017540.1 adenylyl kinase 5, like
NP_001018480.1 adenylyl kinase 8
NP_998464.1 adenylyl kinase isoenzyme 4, mitochondrial
NP_001093554.1 adenylyl kinase isoenzyme 5
ACB72735.1 adenylosuccinate lyase
NP_775344.1 adenylosuccinate synthase, like
NP_999985.1 adenylosuccinate synthetase isozyme 1
NP_001133178.1 adenylosuccinate synthetase isozyme 1 C
NP_001017804.1 adenylosuccinate synthetase isozyme 2
AAB96362.1 adenylyl cyclase type VI
NP_001133556.1 Adenylyl cyclase-associated protein 1
NP_957130.1 adenylyl cyclase-associated protein 2
ADO27867.1 adenylyltransferase and sulfurtransferase mocs3
ACO09457.1 Adhesion-regulating molecule 1 precursor
ELW67435.1 Adhesive plaque matrix protein
ADA70027.1 adipocyte fatty acid-binding protein
ADO28343.1 adipocyte plasma membrane-associated protein
ACO09960.1 Adiponectin precursor
CAQ14260.1 adiponectin receptor 1b
ABC75392.1 adiponectin receptor 2
ACN60305.1 Adipophilin
ACY30627.1 adipose triglyceride lipase
NP_001091735.1 ADNP homeobox 2a
NP_001073482.1 ADNP homeobox 2b

AAP04311.1 ADP receptor-like GPCR type 1b
 NP_775354.1 ADP/ATP translocase 2
 ELV12576.1 ADP/ATP translocase 3
 NP_001073434.1 ADP-dependent glucokinase precursor
 CBN82129.1 ADP-ribosyl cyclase 1
 NP_001187988.1 ADP-ribosylation factor 4
 EHB08669.1 ADP-ribosylation factor 5
 NP_001080327.1 ADP-ribosylation factor GTPase activating protein 3
 NP_001007304.1 ADP-ribosylation factor GTPase-activating protein 1
 NP_001032507.1 ADP-ribosylation factor GTPase-activating protein 2
 NP_001005935.1 ADP-ribosylation factor interacting protein 2a
 EAW75237.1 ADP-ribosylation factor related protein 1, isoform CRA_e
 XP_002431370.1 ADP-ribosylation factor, putative
 NP_957112.1 ADP-ribosylation factor-like 13A
 NP_001093453.1 ADP-ribosylation factor-like 14
 CAQ13585.1 ADP-ribosylation factor-like 2 binding protein
 NP_001188241.1 ADP-ribosylation factor-like 4
 AAH63973.1 ADP-ribosylation factor-like 4, like
 NP_001017749.1 ADP-ribosylation factor-like 4Ca precursor
 NP_957140.1 ADP-ribosylation factor-like 5C
 EDM02785.1 ADP-ribosylation factor-like 6 interacting protein 2
 ELK25976.1 ADP-ribosylation factor-like protein 1
 ADO28116.1 ADP-ribosylation factor-like protein 11
 NP_775379.1 ADP-ribosylation factor-like protein 13B
 NP_001187733.1 ADP-ribosylation factor-like protein 2
 NP_955938.1 ADP-ribosylation factor-like protein 4D
 ACO09616.1 ADP-ribosylation factor-like protein 5B
 NP_001008733.1 ADP-ribosylation factor-like protein 6
 NP_957406.1 ADP-ribosylation factor-like protein 6-interacting protein 1
 NP_081099.1 ADP-ribosylation factor-like protein 8A
 NP_001134408.1 ADP-ribosylation factor-like protein 8A-like
 NP_001038852.1 ADP-ribosylation factor-like protein 9
 NP_001002517.1 ADP-ribosylation-like factor 6 interacting protein 5
 NP_001002086.1 ADP-sugar pyrophosphatase
 AAI63316.1 Adrenergic, alpha-2D-, receptor b
 ABD83905.1 adrenodoxin-like
 NP_001123607.1 adrenomedullin 2a precursor
 BAG24411.1 adrenomedullin 5
 NP_001038583.1 adseverin
 NP_957129.2 afadin- and alpha-actinin-binding protein
 NP_001104667.1 AFG3-like protein 2
 NP_001139033.1 aiftipilin
 XP_309111.3 AGAP000929-PA
 AAH60814.1 AGAP1 protein
 EDL07079.1 aggrecan 1
 EGW13739.1 Aggrecan core protein
 NP_001071019.1 agmatinase, mitochondrial
 ACI32959.1 Agmatinase, mitochondrial precursor
 CAD88211.1 agouti-related protein precursor
 NP_001170923.1 agrin precursor
 AAH67638.1 Agxt protein, partial
 NP_001038556.1 AHA1, activator of heat shock protein ATPase homolog 1
 AAI63472.1 Ahil protein
 AAI14280.1 Ahsa1 protein
 NP_001187488.1 aig2-like domain-containing protein 1-b precursor
 AAM28212.1 AK027570-like protein
 AAI54228.1 Ak311 protein
 AAH56555.1 Ak7 protein
 AAH57114.1 Akap6 protein
 NP_001091654.1 A-kinase anchor protein 12
 NP_001191129.1 A-kinase anchor protein 2
 NP_998384.1 A-kinase anchor protein 8-like
 NP_001076514.1 A-kinase anchor protein SPHKAP
 NP_001107272.1 akirin 1 isoform 1
 NP_956399.1 AKT-interacting protein
 NP_001016805.1 alanine aminotransferase 2
 NP_001133370.1 Alanine aminotransferase 2-like
 NP_001028922.1 alanine--glyoxylate aminotransferase 2, mitochondrial
 NP_001002331.1 alanine-glyoxylate aminotransferase a
 NP_001003572.1 alanyl-tRNA editing protein Aarsd1
 NP_001133550.1 Alanyl-tRNA synthetase, cytoplasmic
 NP_001037775.1 alanyl-tRNA synthetase, cytoplasmic isoform 1
 ABD65560.1 alanyl-tRNA synthetase-like
 AAH67149.1 Alas2 protein, partial
 ADO27966.1 alcohol dehydrogenase (NADP+) b
 NP_571924.2 alcohol dehydrogenase class-3
 AAI29187.1 Aldehyde dehydrogenase 16 family, member A1
 NP_001077015.1 aldehyde dehydrogenase 18A1
 NP_001038210.1 aldehyde dehydrogenase family 1 member A3

NP_001073423.2 aldehyde dehydrogenase family 16 member A1
 NP_775328.2 aldehyde dehydrogenase family 3 member B1
 NP_001133255.1 aldehyde dehydrogenase family 7 member A1 homolog
 NP_001004540.1 aldehyde dehydrogenase family 8 member A1
 NP_958879.1 aldehyde dehydrogenase family 9 member A1-A
 ACI33614.1 Aldehyde dehydrogenase, mitochondrial precursor
 ACO83267.1 Aldh1a2
 AAI16560.1 Aldh2b protein
 AAI34911.1 Aldh5a1 protein
 NP_001011130.1 aldo-keto reductase family 1, member B1 (aldose reductase)
 NP_001133222.1 aldo-keto reductase family 7 member A5-like
 ADO28178.1 aldose 1-epimerase
 ACO14397.1 Aldose reductase
 NP_001017603.1 alkaline ceramidase 1
 ADO28084.1 alkaline ceramidase 2
 AEL33276.1 alkaline phosphatase
 NP_001027823.1 alkaline phosphatase precursor
 NP_001018527.1 alkylated DNA repair protein alkB homolog 1
 NP_001017609.1 alkylated DNA repair protein alkB homolog 7
 NP_956407.1 alkylidihydroxyacetonephosphate synthase, peroxisomal
 NP_998048.1 alkylglycerol monoxygenase
 AAC34383.1 All-1 related protein
 EKV05601.1 Allantoate permease
 NP_001002716.1 allantoicase
 AAB61138.1 Allele: hi2
 BAA32796.1 allograft inflammatory factor-1
 NP_001071261.1 all-trans-13,14-dihydroretinol saturase precursor
 NP_001082902.2 all-trans-retinyl ester 13-cis isomerohydrolase
 YP_664307.1 alpha (1,3)-fucosyltransferase fragment 3, partial
 CAG32838.1 alpha 2,3-sialyltransferase ST3Gal I
 CAL18610.1 alpha 2,3-sialyltransferase ST3Gal I-r4
 BAF44530.1 alpha 2,8-sialyltransferase VI
 ABC47740.2 alpha 2-macroglobulin 4
 ABP49171.2 alpha actin
 NP_001002423.1 alpha- and gamma-adaptin-binding protein p34
 CAN84679.2 alpha M integrin
 NP_001189382.1 alpha N-terminal protein methyltransferase 1B
 EDM07145.1 alpha thalassemia/mental retardation syndrome X-linked homolog (human)
 NP_001122265.1 alpha-(1,3)-fucosyltransferase
 NP_001070642.1 alpha-(1,3)-fucosyltransferase 11 precursor
 NP_571484.1 alpha(1,3)fucosyltransferase gene 1
 NP_001003855.1 alpha-(1,6)-fucosyltransferase
 NP_001004290.1 alpha/beta hydrolase domain-containing protein 11
 NP_001032774.1 alpha/beta hydrolase domain-containing protein 13
 NP_001087176.1 alpha/beta hydrolase domain-containing protein 17B precursor
 NP_956451.1 alpha/beta hydrolase domain-containing protein 17C
 AAA37436.1 alpha-1 type II collagen
 NP_956919.1 alpha-1,2-mannosyltransferase ALG9
 NP_001032467.1 alpha-1,3-fucosyltransferase
 AAX21534.1 alpha-1,3-fucosyltransferase 9B
 NP_001002180.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B
 NP_001007438.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
 NP_001098406.2 alpha-1,3-mannosyltransferase ALG2
 NP_001077344.1 alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
 NP_001038776.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
 NP_001117869.1 alpha-1-antitrypsin-like protein precursor
 AAB64179.1 alpha1A-voltage-dependent calcium channel
 ELV12293.1 Alpha-1B adrenergic receptor
 NP_001118147.1 alpha-1B adrenoceptor
 NP_001007359.1 alpha-1B-adrenergic receptor
 NP_001118122.1 alpha-1D adrenoceptor
 ABW37743.1 alpha-1-microglobulin
 CBN80804.1 Alpha-1-syntrophin
 CAG29183.1 alpha-2,3-sialyltransferase
 NP_001027870.1 alpha-2,3-sialyltransferase ST3Gal I
 CAI11370.1 alpha-2,3-sialyltransferase ST3Gal I-r2
 NP_001117688.1 alpha-2,8-polysialyltransferase IV
 NP_001191083.1 alpha-2,8-sialyltransferase 8E isoform 1
 NP_001254566.1 alpha-2,8-sialyltransferase ST8Sia I
 CAG29179.1 alpha-2-3-sialyltransferase
 NP_997787.1 alpha-2-HS-glycoprotein precursor
 AAR00337.1 alpha-2-macroglobulin
 NP_958463.1 alpha-2-macroglobulin receptor-associated protein
 BAA85038.1 alpha-2-macroglobulin-1
 BAA85040.1 alpha-2-macroglobulin-3
 NP_001188334.1 alpha-2-macroglobulin-like
 NP_001004773.1 alpha3-fucosyltransferase
 NP_001161758.1 alpha-actinin-1
 ELW68113.1 Alpha-actinin-2

NP_955880.1 alpha-actinin-4
 NP_001073427.1 alpha-adducin
 ADX97215.1 alpha-aminoadipic semialdehyde dehydrogenase
 ABQ45553.1 alpha-amylase
 NP_001134563.1 Alpha-aspartyl dipeptidase
 AAG23867.1 alpha-B crystallin
 NP_001137526.1 alpha-catalin
 ABL89191.1 alpha-chain hemoglobin
 NP_571232.1 alpha-crystallin B chain
 NP_001243613.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 2
 NP_001005390.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 6
 NP_001187785.1 alpha-ketoglutarate-dependent dioxygenase alkB-like protein 3
 NP_956670.1 alpha-L-iduronidase precursor
 NP_001018462.1 alpha-methylacyl-CoA racemase
 ACN10976.1 Alpha-N-acetylgalactosaminidase
 NP_997790.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3
 NP_001133710.1 Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6
 NP_001187694.1 alpha-n-acetylgalactosaminide alpha-2,6-sialyltransferase 5
 NP_990339.1 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase
 NP_001038835.1 alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3-N-acetyl-galactosaminide alpha-2,6-sialyltransferase
 NP_001002872.1 alpha-parvin
 NP_956060.1 alpha-soluble NSF attachment protein
 NP_001092700.1 alpha-taxilin
 CBN81408.1 Alpha-tectorin
 NP_001134542.1 Alpha-tectorin precursor
 ADO28317.1 alpha-tocopherol transfer protein
 NP_997755.1 alpha-tocopherol transfer protein-like
 AAI42899.1 Als2cr4 protein
 AAB92590.2 alternatively spliced brn-1.1 protein variant
 NP_001038539.1 ALX homeobox protein 1
 NP_001133427.1 Amidophosphoribosyltransferase
 NP_001071066.1 amiloride-sensitive amine oxidase precursor
 NP_001133456.1 Amiloride-sensitive cation channel 2, neuronal
 CBN80783.1 Amiloride-sensitive cation channel 2-A, neuronal
 AAH95568.1 Amiloride-sensitive cation channel 4 b
 NP_997992.2 amine oxidase
 NP_001013573.3 amine oxidase, copper containing 3
 NP_001187533.1 aminoacyl tRNA synthase complex-interacting multifunctional protein 1
 ADO28113.1 aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
 ADO28384.1 aminoacyl tRNA synthetase complex-interacting multifunctional protein 2
 NP_001133433.1 aminoacylase-1
 NP_001167456.1 aminoadipate-semialdehyde synthase
 NP_001006021.1 aminomethyltransferase, mitochondrial
 AAC32754.1 aminopeptidase N
 NP_001116730.1 aminopeptidase O
 NP_956717.1 amino-terminal enhancer of split
 AAB35729.1 AML1/MDS1(AML1, MDS1) (translocation breakpoint)
 NP_998010.1 ammonium transporter Rh type A
 NP_001129569.1 ammonium transporter Rh type B
 NP_001027819.1 ammonium transporter Rh type C 1
 NP_001027934.1 ammonium transporter Rh type C 2
 NP_957187.1 AMP deaminase 1
 NP_956142.1 AMP deaminase 3
 AAI07821.1 Ampd2 protein
 NP_957125.1 amphiphysin
 AAI54127.1 Amplified in osteosarcoma
 EKC25228.1 AMY-1-associating protein expressed in testis 1
 NP_001166124.1 amylo-1, 6-glucosidase, 4-alpha-glucanotransferase
 NP_001082098.1 amyloid beta (A4) precursor protein precursor
 EDM13024.1 amyloid beta (A4) precursor protein-binding, family A, member 1, isoform CRA_a
 NP_001096402.1 amyloid beta (A4) precursor protein-binding, family B, member 3
 NP_956928.1 amyloid beta A4 precursor protein-binding family B member 1-interacting protein
 ELK23691.1 Amyloid beta A4 precursor protein-binding family B member 3
 NP_690842.1 amyloid beta A4 protein precursor
 AAP22956.1 amyloid precursor protein b
 NP_997798.1 amyloid protein-binding protein 2
 NP_033821.1 amyloid-like protein 2 isoform c precursor
 AEA51148.1 AN1 ubiquitin-like protein, partial
 ELW66752.1 AN1-type zinc finger and ubiquitin domain-containing protein 1
 NP_001189400.1 AN1-type zinc finger and ubiquitin domain-containing protein-like
 NP_001187818.1 AN1-type zinc finger protein 1
 NP_001025346.1 AN1-type zinc finger protein 3
 NP_998204.1 AN1-type zinc finger protein 5
 NP_001188008.1 anamorsin
 NP_001254625.1 anaphase promoting complex subunit 10
 NP_001187931.1 anaphase-promoting complex subunit 11
 NP_001187629.1 anaphase-promoting complex subunit 13
 NP_001243675.1 anaphase-promoting complex subunit 2
 NP_001008589.1 anaphase-promoting complex subunit 4

NP_955916.1 anaphase-promoting complex subunit 5
 NP_001107057.1 anaphase-promoting complex subunit 7
 NP_001004005.1 anaphase-promoting complex subunit CDC26
 NP_955984.2 ancient ubiquitous protein 1
 AAS80170.1 androgen receptor
 NP_001117657.1 androgen receptor beta
 NP_001073451.1 angiogenic factor with G patch and FHA domains 1
 NP_001187912.1 angiogenin-3 precursor
 NP_001071074.1 angiotensin-like 2b
 AAI62238.1 Angiotensin 2
 AFN70711.1 angiotensin 2-like protein
 NP_571888.1 angiotensin-1 precursor
 ELK24727.1 Angiotensin-1 receptor
 NP_001041591.1 angiotensin-2 precursor
 NP_001119950.1 angiotensin-like 2b precursor
 NP_001014821.1 angiotensin-like 6 precursor
 NP_001014820.1 angiotensin-related protein 1 precursor
 NP_571893.1 angiotensin-related protein 3 precursor
 NP_001243132.1 angiotensin-related protein 4 precursor
 NP_001006073.1 angiotensin-related protein 7 precursor
 NP_001007298.1 angiotensin-converting enzyme 2 precursor
 NP_932329.1 angiotensinogen precursor
 AAI63088.1 Angptl3 protein
 NP_001096146.2 anillin, actin binding protein-like
 ELK30558.1 Anion exchange protein 3
 NP_001118213.1 anion exchanger
 ACI05563.1 anion exchanger SLC26A6
 ADN39422.1 anion exchanger-1 variant
 AAI55116.1 Ankrd10a protein
 AAH68270.1 Ankrd11 protein
 NP_001005969.1 ankyrin 1, erythrocytic
 NP_001035135.2 ankyrin and armadillo repeat containing
 ELK10296.1 Ankyrin repeat and BTB/POZ domain-containing protein BTBD11
 NP_001038467.1 ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A
 CBN81321.1 Ankyrin repeat and fibronectin type-III domain-containing protein 1
 ELR48388.1 Ankyrin repeat and FYVE domain-containing protein 1
 ELK31967.1 Ankyrin repeat and FYVE domain-containing protein 1, partial
 NP_001186697.1 ankyrin repeat and KH domain-containing protein 1
 NP_001119867.1 ankyrin repeat and LEM domain-containing protein 2
 NP_956188.1 ankyrin repeat and MYND domain-containing protein 2
 NP_001124137.1 ankyrin repeat and protein kinase domain-containing protein 1
 CBN80716.1 Ankyrin repeat and SAM domain-containing protein 1A
 NP_001108037.1 ankyrin repeat and SAM domain-containing protein 3
 NP_001002188.1 ankyrin repeat and SAM domain-containing protein 4B
 CBN81776.1 Ankyrin repeat and SAM domain-containing protein 6
 ELW63542.1 Ankyrin repeat and SOCS box protein 1
 NP_001035458.1 ankyrin repeat and SOCS box protein 16
 NP_956168.1 ankyrin repeat and SOCS box protein 3
 NP_001017628.1 ankyrin repeat and SOCS box protein 4
 NP_001017753.1 ankyrin repeat and SOCS box protein 5
 NP_999895.1 ankyrin repeat and SOCS box protein 7
 NP_956064.1 ankyrin repeat and SOCS box protein 8
 NP_001002528.1 ankyrin repeat and SOCS box-containing 13a, tandem duplicate 1
 NP_001093487.1 ankyrin repeat and sterile alpha motif domain-containing protein 1B
 ACH70733.1 ankyrin repeat domain 1
 NP_957274.1 ankyrin repeat domain 10a
 AFU81782.1 ankyrin repeat domain 10-like protein
 NP_956444.1 ankyrin repeat domain 12
 NP_001025400.1 ankyrin repeat domain 13B
 NP_001091653.1 ankyrin repeat domain 34B
 NP_001106506.1 ankyrin repeat domain 52
 ACN10643.1 Ankyrin repeat domain-containing protein 10
 NP_001119859.1 ankyrin repeat domain-containing protein 13A
 NP_999855.1 ankyrin repeat domain-containing protein 13C
 ACN10866.1 Ankyrin repeat domain-containing protein 13C-A
 ADO28873.1 ankyrin repeat domain-containing protein 16
 ADO29479.1 ankyrin repeat domain-containing protein 22
 NP_001018596.1 ankyrin repeat domain-containing protein 29
 NP_001107112.1 ankyrin repeat domain-containing protein 39
 NP_001018606.1 ankyrin repeat domain-containing protein 45
 NP_991159.1 ankyrin repeat domain-containing protein 46
 NP_001017584.1 ankyrin repeat domain-containing protein 49
 NP_001020714.1 ankyrin repeat domain-containing protein 5
 NP_001002578.1 ankyrin repeat domain-containing protein 54
 ACN11450.1 Ankyrin repeat domain-containing protein 57
 NP_919404.1 ankyrin repeat domain-containing protein 6
 ADO28903.1 ankyrin repeat domain-containing protein 7
 ACI67175.1 Ankyrin repeat domain-containing protein 9
 NP_998294.1 ankyrin repeat family A protein 2

NP_956524.1	ankyrin repeat, SAM and basic leucine zipper domain-containing protein 1
CBN81678.1	Ankyrin-3
AAI34810.1	Anln-like protein
NP_861430.2	annexin 11a isoform 1
AAO20273.1	annexin 5
ADO28398.1	annexin a1
NP_861431.1	annexin A11b
NP_001019585.1	annexin A13
AAH53190.1	Annexin A1a
NP_861424.1	annexin A1b
ACQ58957.1	Annexin A2
NP_001188098.1	annexin a2-a
ACO09467.1	Annexin A3
ADO28046.1	annexin a4
ADO28339.1	annexin a5
NP_001107054.1	annexin A5a
NP_001002038.1	annexin A6
NP_001123799.1	anoctamin 1, calcium activated chloride channel
NP_001103862.2	anoctamin 2
NP_001073452.1	anoctamin 5b
NP_001155062.1	anoctamin-1
NP_001025377.1	anoctamin-10
NP_571433.1	anosmin-1
NP_001187667.1	anterior gradient protein 2 homolog precursor
NP_001096038.1	anthrax toxin receptor 2b precursor
NP_571951.2	anti-dorsalizing morphogenic protein precursor
EHB18641.1	Antigen WC1.1
ACM08205.1	Antileukoproteinas precursor
CAZ73991.1	antithrombin
BAB84695.1	antizyme inhibitor
NP_001007160.1	antizyme inhibitor 1
AAI53567.1	Anxa3b protein
AAI54294.1	Anxa6 protein
AAI25966.1	Aof2 protein
NP_001122002.1	AP-1 complex subunit beta-1
NP_955976.1	AP-1 complex subunit gamma-1
NP_001107913.1	AP-1 complex subunit mu-1
ADO27999.1	AP-1 complex subunit mu-2
ADO27763.1	AP-1 complex subunit sigma-1a
NP_001004635.1	AP-1 complex subunit sigma-3
AFE76918.1	AP-2 complex subunit alpha-1 isoform 1
EGW05556.1	AP-2 complex subunit alpha-2
EHB00862.1	AP-2 complex subunit sigma
NP_001135103.1	AP-3 complex subunit mu-1
ADO27814.1	AP-3 complex subunit sigma-2
AAI67039.1	Ap3s1 protein
NP_956632.1	AP-4 complex subunit beta-1
NP_001002672.1	AP-4 complex subunit mu-1
NP_001003826.1	AP-4 complex subunit sigma-1
ADO28410.1	apaf1-interacting protein-like protein
NP_001093622.1	APC membrane recruitment protein 2
NP_001025368.2	apelin receptor B
ADO28167.1	apolipoprotein A-I
NP_001117135.1	apolipoprotein A-I precursor
ADO27982.1	apolipoprotein A-I-binding protein
AAH76032.1	Apolipoprotein A-IV
ACI68623.1	Apolipoprotein A-IV precursor
NP_001122230.1	apolipoprotein A-IV-like precursor
NP_001025233.1	apolipoprotein Bb precursor
ACI15894.1	apolipoprotein C-I
ACI15895.1	apolipoprotein C-II
AEX91932.1	apolipoprotein E
BAL49819.1	apolipoprotein E receptor 2
ACI15892.1	apolipoprotein E-1
BAK09328.1	apolipoprotein IA-110
NP_001025309.1	apolipoprotein L, 1
NP_001005777.1	apolipoprotein O
ACI68171.1	Apolipoprotein O precursor
NP_001133647.1	Apolipoprotein-L3
NP_001139091.1	apoptogenic protein 1, mitochondrial
NP_955834.2	apoptosis inhibitor 5
ADO28123.1	apoptosis regulator bax
NP_001187845.1	apoptosis regulatory protein siva
ACM08677.1	Apoptosis-associated speck-like protein containing a CARD
NP_956396.2	apoptosis-inducing factor 1, mitochondrial
NP_001121885.1	apoptosis-inducing factor 3
NP_001186939.1	apoptosis-inducing factor, mitochondrion-associated 2
NP_001038289.2	apoptosis-stimulating of p53 protein 1
NP_999979.1	apoptosis-stimulating of p53 protein 2

NP_001191186.1 apoptosis-stimulating protein of p53-like
 NP_571683.1 apoptotic protease-activating factor 1
 CAP71947.1 appb
 AAH83534.1 Appb protein
 NP_999894.1 aprataxin
 ABG24574.1 aquaglyceroporin
 CAD92027.1 aquaporin 1
 NP_001002349.1 aquaporin 10a
 NP_001129154.1 aquaporin 1a, tandem duplicate 2
 CAC85286.1 aquaporin 3
 NP_998633.1 aquaporin 3a
 NP_001028268.1 aquaporin 9a
 ACQ58348.1 Aquaporin-10
 ACB10577.1 aquaporin-10b
 ACO09336.1 Aquaporin-11
 ADK87346.1 aquaporin-1b
 NP_001003749.1 aquaporin-4
 NP_001188011.1 aquaporin-7
 BAH89254.1 aquaporin-8
 ACV66836.1 aquaporin-8aa
 NP_001039327.1 aquaporin-like
 NP_955912.1 arachidonate 12-lipoxygenase, 12S-type
 NP_001243676.1 arachidonate 5-lipoxygenase
 NP_956355.1 arachidonate 5-lipoxygenase-activating protein precursor
 NP_998533.1 arfaptin-1
 NP_956129.1 arf-GAP domain and FG repeats-containing protein 1
 NP_001074048.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1
 ELW50930.1 Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2
 NP_001076484.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3
 CBN81185.1 Arf-GAP with dual PH domain-containing protein 1
 ELR45672.1 Arf-GAP with dual PH domain-containing protein 1, partial
 ADO28243.1 arf-gap with dual ph domain-containing protein 2
 AAH56768.1 ArfGAP with FG repeats 1
 NP_956882.2 ArfGAP with FG repeats 1b
 ELW72476.1 Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
 AFE76594.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform 1
 AFE76596.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform 2
 NP_001073487.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2
 NP_001038672.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2
 NP_001124135.1 ArfGAP with SH3 domain, ankyrin repeat and PH domain 1a
 NP_001038398.2 ArfGAP with SH3 domain, ankyrin repeat and PH domain 2b
 NP_998381.2 arginine and glutamate-rich protein 1-A
 NP_001133808.1 arginine N-methyltransferase 3
 NP_998112.1 arginine/serine-rich coiled-coil 1
 EAW71601.1 arginine-glutamic acid dipeptide (RE) repeats, isoform CRA_c
 AFI37224.1 arginine-glutamic acid dipeptide repeats protein isoform a
 NP_956342.1 arginine-tRNA ligase, cytoplasmic
 NP_956745.1 argininosuccinate lyase
 NP_001004603.1 argininosuccinate synthase
 ABX09996.1 arginyl-tRNA protein transferase
 AAH83505.1 Arginyl-tRNA synthetase
 NP_001133937.1 Arginyl-tRNA synthetase, cytoplasmic
 AFU66008.1 argonaute 2
 AAH83881.1 Ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila)
 ACO08836.1 ariadne-1 homolog
 ACI33785.1 ariadne-2 homolog
 AER27741.1 Arid1b
 AAH96813.1 Arl15b protein
 AAH75770.1 Arl31l protein
 NP_001072494.1 armadillo repeat containing 4
 AFJ49454.1 Armadillo repeat containing 6
 NP_001070067.1 armadillo repeat containing 7
 NP_001122006.1 armadillo repeat protein
 NP_001008609.1 armadillo repeat-containing protein 1
 CBN81746.1 Armadillo repeat-containing protein 4
 NP_001073151.1 armadillo repeat-containing protein 8
 AAZ67070.1 Arnt1c
 NP_998507.1 aromatic-L-amino-acid decarboxylase
 AAM63548.1 Arp3
 AAH83452.1 ARRB1 protein, partial
 NP_957086.1 arrestin 3b, retinal (X-arrestin)
 NP_001086818.1 arrestin domain containing 1
 NP_001004561.1 arrestin domain containing 1a
 NP_001004605.1 arrestin domain containing 3b
 NP_001188367.1 arrestin domain containing 3-like
 ACI33438.1 Arrestin domain-containing protein 2
 NP_001073498.1 arrestin domain-containing protein 3
 NP_001002405.1 arrestin-C
 ABG78616.1 arsenate resistance protein SIRAS

NP_001034928.1 arsenite methyltransferase
 ABG90497.1 arsenite-translocating ATPase
 AAI33878.1 Arx protein
 NP_001019987.1 aryl hydrocarbon receptor
 ACY30370.1 aryl hydrocarbon receptor 1 beta-like protein
 AAI63508.1 Aryl hydrocarbon receptor 1b
 ACT79401.1 aryl hydrocarbon receptor 2
 NP_999877.1 aryl hydrocarbon receptor interacting protein
 NP_001038736.1 aryl hydrocarbon receptor nuclear translocator isoform c
 AAG25919.1 aryl hydrocarbon receptor nuclear translocator type 2a
 NP_571652.1 aryl hydrocarbon receptor nuclear translocator-like 1a
 NP_571653.1 aryl hydrocarbon receptor nuclear translocator-like protein 2
 AEI16513.1 aryl hydrocarbon receptor repressor
 AAT02159.1 arylalkylamine N-acetyltransferase
 AFR32910.1 arylalkylamine N-acetyltransferase-2, partial
 NP_001187827.1 arylamine n-acetyltransferase pineal gland isozyme nat-10
 AAI63123.1 Aryl-hydrocarbon receptor repressor b
 NP_001013561.2 arylsulfatase A precursor
 NP_001167123.1 Arylsulfatase B precursor
 NP_001082874.1 arylsulfatase G precursor
 NP_001133822.1 arylsulfatase K precursor
 AAI53435.1 Asah1a protein
 AAI53493.1 Asb3 protein
 NP_001103575.2 ash2-like
 ADO27751.1 ashwin
 NP_001007788.1 askopos
 NP_001096091.1 asparaginase homolog
 NP_001187284.1 asparaginase homolog precursor
 NP_001134016.1 Asparagine synthetase domain-containing protein 1
 NP_001116776.1 aspartate aminotransferase 1
 NP_998544.1 aspartate aminotransferase 2a
 NP_998222.1 aspartate aminotransferase, cytoplasmic
 NP_001243532.1 aspartate beta-hydroxylase
 NP_001073514.1 aspartate beta-hydroxylase domain-containing protein 2
 NP_001103573.1 aspartoacylase
 ADO28053.1 aspartoacylase-2a
 NP_956447.1 aspartyl aminopeptidase
 NP_001133154.1 Aspartyl beta-hydroxylase-like precursor
 ACO14201.1 Aspartyl/asparaginyl beta-hydroxylase
 NP_001080336.1 aspartyl-tRNA synthetase
 NP_001071079.1 aspartyl-tRNA synthetase, cytoplasmic
 NP_001092134.1 ASPIC precursor
 AAH95063.1 Asporin (LRR class 1)
 CBN80669.1 Asporin
 ADO27780.1 astrocytic phosphoprotein pea-15
 ELW70630.1 Astrotactin-2
 NP_956177.1 asunder, spermatogenesis regulator homolog (Drosophila)
 AAH61959.1 Axsl1 protein, partial
 EAW57888.1 AT rich interactive domain 2 (ARID, RFX-like), isoform CRA_a
 BAD91491.1 ataxia telangiectasia mutated
 NP_001038750.1 ataxin 7-like 2
 NP_001038291.1 ataxin-1
 NP_001124084.1 ataxin-10
 NP_001121821.1 ataxin-2
 NP_997849.1 ataxin-2-like protein
 NP_001135123.1 Ataxin-7-like protein 3
 NP_001005396.1 ataxin-7-like protein 3 isoform 1
 NP_001035431.2 ataxin-7-like protein 3 isoform 2
 AAI15044.1 Atf7a protein
 AAI63272.1 Atf7b protein
 AAI54047.1 Atg12 protein
 AAI55125.1 Atl2 protein
 NP_001139172.1 atlastin-1
 NP_001103492.1 atlastin-2
 NP_001006016.1 atlastin-3
 NP_001093512.1 ATM interactor
 AAI17599.1 Atoh1a protein
 NP_001122151.1 atonal homolog 1b
 XP_002415504.1 ATP synthase gamma subunit, putative
 ELK04719.1 ATP synthase lipid-binding protein, mitochondrial
 ACO09076.1 ATP synthase lipid-binding protein, mitochondrial precursor
 NP_001076290.1 ATP synthase mitochondrial F1 complex assembly factor 2
 NP_956996.1 ATP synthase subunit d, mitochondrial
 NP_001187940.1 ATP synthase subunit g, mitochondrial
 NP_956335.1 ATP synthase subunit gamma, mitochondrial
 NP_001003843.1 ATP synthase subunit O, mitochondrial
 NP_956512.1 ATP synthase subunit s, mitochondrial
 NP_001187544.1 ATP synthase-coupling factor 6, mitochondrial
 AAH85636.1 Atp2a1 protein

AAI65245.1 Atp2a2a protein
AAB94620.1 ATP7B
AAI10593.1 ATP9A protein
NP_001004640.1 ATPase family AAA domain-containing protein 1-A isoform 1
NP_001193679.1 ATPase family AAA domain-containing protein 2B
NP_991266.1 ATPase family AAA domain-containing protein 3
BAJ17687.1 ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1
NP_001071001.1 ATPase, Ca⁺⁺ transporting, cardiac muscle, fast twitch 1 like
NP_001025448.1 ATPase, Ca⁺⁺ transporting, cardiac muscle, slow twitch 2b
NP_001007030.1 ATPase, Ca⁺⁺ transporting, fast twitch 1
NP_001070935.1 ATPase, Ca⁺⁺ transporting, plasma membrane 4
ACH99688.1 ATPase, class VI, type 11A isoform b (predicted)
AAH85541.1 ATPase, H⁺ transporting, lysosomal accessory protein 1
ABZ10492.1 ATPase, H⁺ transporting, lysosomal accessory protein 1 precursor (predicted)
NP_001188332.1 ATPase, H⁺ transporting, lysosomal accessory protein 1-like precursor
NP_998188.2 ATPase, H⁺ transporting, lysosomal accessory protein 2
NP_001018502.1 ATPase, H⁺ transporting, lysosomal V0 subunit a isoform 1b
NP_997837.1 ATPase, H⁺ transporting, lysosomal V0 subunit a1
AAI15215.1 ATPase, H⁺ transporting, lysosomal V1 subunit B2
AAH59488.1 ATPase, H⁺ transporting, lysosomal, V1 subunit H
AAH45283.1 ATPase, Na⁺/K⁺ transporting, alpha 1 polypeptide
NP_571765.1 ATPase, Na⁺/K⁺ transporting, alpha 1b polypeptide
AAI63629.1 ATPase, Na⁺/K⁺ transporting, alpha 2a polypeptide
NP_571744.1 ATPase, Na⁺/K⁺ transporting, beta 2a polypeptide
NP_571913.1 ATPase, Na⁺/K⁺ transporting, beta 2b polypeptide
NP_571745.1 ATPase, Na⁺/K⁺ transporting, beta 3b polypeptide
NP_001092716.1 ATP-binding cassette sub-family A member 5
NP_001139165.1 ATP-binding cassette sub-family B member 6, mitochondrial
NP_001017544.1 ATP-binding cassette sub-family B member 8, mitochondrial
NP_001119906.1 ATP-binding cassette sub-family B member 9
ELW59753.1 ATP-binding cassette sub-family C member 11
ACX30420.1 ATP-binding cassette subfamily C member 4
NP_001025325.1 ATP-binding cassette sub-family C member 9
NP_001104656.1 ATP-binding cassette sub-family D member 1
NP_203503.1 ATP-binding cassette sub-family D member 2
NP_998647.1 ATP-binding cassette sub-family D member 3
NP_001070185.2 ATP-binding cassette sub-family D member 4
NP_998216.2 ATP-binding cassette sub-family E member 1
NP_998351.1 ATP-binding cassette sub-family F member 1
NP_001103924.1 ATP-binding cassette sub-family G member 1
NP_001036240.1 ATP-binding cassette sub-family G member 2
EGV92982.1 ATP-binding cassette sub-family G member 3
NP_001122162.1 ATP-binding cassette sub-family G member 5
NP_001108058.2 ATP-binding cassette, sub-family A (ABC1), member 1B
EAW69560.1 ATP-binding cassette, sub-family A (ABC1), member 7, isoform CRA_e
CAK04959.1 ATP-binding cassette, sub-family B (MDR/TAP), member 3
NP_001006594.1 ATP-binding cassette, sub-family B (MDR/TAP), member 3 like 1
AAH56740.1 ATP-binding cassette, sub-family C (CFTR/MRP), member 2
NP_001166118.2 ATP-binding cassette, sub-family C (CFTR/MRP), member 8
NP_001084980.1 ATP-binding cassette, sub-family D (ALD), member 3
NP_001124092.1 ATP-binding cassette, sub-family D (ALD), member 3b
AAH95592.1 ATP-binding cassette, sub-family E (OABP), member 1
NP_001104682.1 ATP-binding cassette, sub-family G (WHITE), member 4b
NP_001002649.1 ATP-citrate synthase
NP_001103590.1 ATP-dependent (S)-NAD(P)H-hydrate dehydratase
NP_001004581.1 ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial
NP_942102.1 ATP-dependent DNA helicase PIF1
NP_001038561.2 ATP-dependent DNA helicase Q1
NP_001082983.1 ATP-dependent metalloprotease YME1L1
NP_001188373.1 ATP-dependent RNA helicase A
NP_001184253.1 ATP-dependent RNA helicase DDX1
NP_001003411.1 ATP-dependent RNA helicase DDX18
NP_001122187.1 ATP-dependent RNA helicase DDX19A
ACO09904.1 ATP-dependent RNA helicase DDX39
NP_001032894.2 ATP-dependent RNA helicase DDX42
NP_001133236.1 ATP-dependent RNA helicase DDX51
NP_001077033.1 ATP-dependent RNA helicase SUPV3L1, mitochondrial precursor
AAQ21196.1 ATP-gated ionotropic P2X receptor subunit 3.2
ACO09612.1 ATP-sensitive inward rectifier potassium channel 15
NP_001025324.1 ATP-sensitive inward rectifier potassium channel 8
NP_001038402.1 atrial natriuretic peptide receptor 1 precursor
NP_001071231.1 AT-rich interactive domain-containing protein 2
NP_001093509.1 AT-rich interactive domain-containing protein 3A
NP_001076471.1 AT-rich interactive domain-containing protein 3B
ACD12677.1 AT-rich sequence binding protein 2
NP_001038332.1 ATR-interacting protein
NP_001139087.1 attractin
CBN81438.1 Attractin-like protein 1
NP_001077301.1 atypical chemokine receptor 3b

ADB24655.1 augmin-like complex subunit 3-like protein beta
 NP_001003640.1 aurora kinase A
 NP_001099165.1 aurora kinase A-interacting protein
 CBN81719.1 Autism susceptibility gene 2 protein
 NP_998328.1 autocrine motility factor receptor
 NP_001103484.1 autoimmune regulator
 CAJ31278.1 autophagy protein 5
 EDL25172.1 autophagy-related 4D (yeast), isoform CRA_a
 NP_001032201.1 autophagy-related protein 10
 NP_956727.1 autophagy-related protein 13
 NP_001072654.1 autophagy-related protein 2 homolog A
 NP_001187315.1 autophagy-related protein 3
 CBN80868.1 Autophagy-related protein 7
 NP_001076500.1 autophagy-related protein 9A
 XP_001865517.1 Av71 muscle cell intermediate filament
 NP_001188371.1 avidin-like precursor
 AAL63863.1 Axin 2 (conductin, axil)
 NP_957084.1 axin interactor, dorsalization-associated protein
 BAA92439.1 axin1
 NP_001082846.1 axonemal dynein light chain domain-containing protein 1
 NP_001027646.1 axonemal p66.0
 ELR50831.1 B- and T-lymphocyte attenuator
 NP_001187164.1 B cell-specific coactivator of octamer binding factors
 NP_898896.1 B1 bradykinin receptor
 CAE75883.1 B1234D02.7
 NP_001187770.1 B9 domain-containing protein 1
 NP_001187129.1 bactericidal permeability-increasing protein precursor
 NP_660196.1 baculoviral IAP repeat-containing 5B
 ACN11176.1 Baculoviral IAP repeat-containing protein 4
 ACQ58361.1 Baculoviral IAP repeat-containing protein 5
 AFL70282.1 baculoviral IAP repeat-containing protein 7
 NP_001092206.1 BAG family molecular chaperone regulator 1
 NP_001134875.1 BAG family molecular chaperone regulator 2
 NP_001003533.1 BAG family molecular chaperone regulator 3
 NP_001243658.1 BAG family molecular chaperone regulator 4
 NP_001029355.1 BAG family molecular chaperone regulator 5
 NP_001017830.1 BAI1-associated protein 2-like 1b
 ELW67784.1 BAI1-associated protein 3
 CBN81414.1 Band 3 anion exchange protein
 NP_001003987.1 band 4.1-like protein 3
 NP_571298.1 band 4.1-like protein 4
 NP_956383.1 band 4.1-like protein 5
 AAI62155.1 Bardet-Biedl syndrome 1
 NP_001091721.1 Bardet-Biedl syndrome 1 protein
 NP_001082932.1 Bardet-Biedl syndrome 10
 NP_690843.1 Bardet-Biedl syndrome 2 protein homolog
 NP_001070934.1 Bardet-Biedl syndrome 4
 NP_956593.1 Bardet-Biedl syndrome 5 protein homolog
 NP_001070613.1 Bardet-Biedl syndrome 7
 AAI55810.1 Barhl1.2 protein
 CAM16576.1 BarH-like 1.1
 NP_001070095.1 basal cell adhesion molecule precursor
 CAD19830.1 basic fibroblast growth factor
 CBN81964.1 Basic helix-loop-helix domain-containing protein KIAA2018
 NP_001076538.1 basic helix-loop-helix transcription factor scleraxis
 NP_956002.1 basic leucine zipper and W2 domain-containing protein 1-A
 NP_957212.1 basic leucine zipper and W2 domain-containing protein 2
 AAH70020.1 Basic leucine zipper nuclear factor 1
 NP_001038857.1 basic leucine zipper transcriptional factor ATF-like 3
 ACT31324.1 basoenuclin-2
 NP_001007307.1 battenin
 NP_001027917.1 BAW protein
 AAH96971.1 Baz1a protein
 AAH59423.1 Bbs2 protein
 AAI71414.1 Bc2 protein
 AAI58638.1 Bcas3 protein
 ADO28203.1 bccip-like
 NP_001092730.1 B-cell CLL/lymphoma 11Ba (zinc finger protein)
 NP_001093544.1 B-cell CLL/lymphoma 6a, genome duplicate b
 NP_998330.1 B-cell CLL/lymphoma 7 protein family member B-A
 NP_001005575.1 B-cell CLL/lymphoma 9-like protein
 NP_998003.1 B-cell linker protein
 NP_957028.1 B-cell lymphoma 6 protein
 NP_001035481.1 B-cell lymphoma/leukemia 11A
 NP_001091715.1 B-cell receptor CD22 precursor
 ACO14128.1 B-cell receptor-associated protein 31
 ADJ95234.1 B-cell translocation protein 1
 AAY14591.1 B-cell translocation protein 4a
 ACI68861.1 Bcl10-interacting CARD protein

ACI33262.1 Bcl2 antagonist of cell death
NP_001038937.1 BCL2 binding component 3
ADO27970.1 bcl2/adenovirus e1b 19 kda protein-interacting protein 3-like
NP_001012242.1 BCL2/adenovirus E1B interacting protein 3-like a
NP_001013314.1 bcl2-associated X protein, b
NP_001038503.2 BCL2-interacting killer (apoptosis-inducing)
AAH92679.1 Bcl2l10 protein
NP_571882.1 bcl-2-like protein 1
NP_001003612.1 bcl-2-related ovarian killer protein homolog A
NP_957479.1 bcl-2-related ovarian killer protein homolog B
AFK11503.1 bcl-2-related ovarian killer protein-like protein
ADP69098.1 BCL6 corepressor/retinoic acid receptor alpha fusion protein
AAI63544.1 Bcl9l protein
NP_001165873.1 BCL-WAV
ACZ62651.1 Bcl-X2
AAI63892.1 Bcor protein
ABX82702.1 BCR/ABL fusion protein isoform X3
NP_001184090.1 BDNF/NT-3 growth factors receptor precursor
CAJ19739.1 beclin 1
NP_001019983.1 beclin 1-associated autophagy-related key regulator
BAD92075.1 Beige-like protein variant
NP_001139063.1 BEN domain-containing protein 3
NP_001002046.1 BET1 homolog
NP_001003998.1 BET1-like protein
CBZ42162.1 beta 2a adrenergic receptor
AAY18967.1 beta A1-2-crystallin
BAB79238.1 beta globin type-2
NP_001187015.1 beta-1 integrin precursor
CBN80796.1 Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7
NP_996984.1 beta-1,3-galactosyltransferase 2
CBN80895.1 Beta-1,3-galactosyltransferase 6
NP_001001830.1 beta-1,3-N-acetylglucosaminyltransferase radical fringe isoform 1 precursor
NP_001038801.1 beta-1,3-N-acetylglucosaminyltransferase radical fringe isoform 2 precursor
NP_001070727.2 beta-1,4-galactosyltransferase 1
NP_001121857.1 beta-1,4-galactosyltransferase 2
NP_001038797.1 beta-1,4-galactosyltransferase 5
NP_957232.1 beta-1,4-galactosyltransferase 6
NP_001188102.1 beta-14-galactosyltransferase 7
NP_001002175.1 beta-1-syntrophin
ACX46713.1 beta-2-adrenergic receptor
NP_001158744.1 Beta-2-glycoprotein 1 precursor
NP_001232842.1 beta-2-microglobulin precursor
ABH10580.1 beta-3b adrenergic receptor, partial
NP_001103580.1 beta-3-galactosyltransferase-like
CAI62036.1 beta3-glucuronyltransferase
ELV09517.1 Beta-adrenergic receptor kinase 1
NP_001128197.1 beta-adrenergic receptor kinase 2
AGA84101.1 beta-adrenergic receptor kinase-2, partial
NP_001153294.1 beta-arrestin-1
CCN27107.1 beta-carotene 15,15'-monooxygenase 1
CCN27108.1 beta-carotene 15,15'-monooxygenase 1 like
AAP94282.1 beta-catenin
NP_957160.1 beta-catenin-like protein 1
NP_001038229.2 betacellulin, epidermal growth factor family member precursor
NP_001158877.1 Beta-centractin
NP_001004554.1 beta-citryl-glutamate synthase B
NP_001188093.1 beta-crystallin a2
NP_001187497.1 beta-crystallin a3
NP_001187947.1 beta-crystallin a4
NP_001075024.1 beta-defensin-like 3 precursor
AEZ00740.1 beta-defensin-like protein 1
NP_999888.1 beta-enolase
NP_001017547.1 beta-galactosidase precursor
NP_001116328.1 beta-galactosidase-1-like protein precursor
NP_001003853.1 beta-galactoside alpha-2,6-sialyltransferase 1
NP_001153386.1 beta-galactoside alpha-2,6-sialyltransferase 2
ACM08322.1 Beta-galactoside-binding lectin
NP_001135106.1 Beta-hexosaminidase beta chain precursor
NP_001017763.1 beta-hexosaminidase subunit alpha precursor
NP_001108317.1 beta-hexosaminidase subunit beta precursor
CBN82142.1 Beta-ketoacyl synthase
NP_956453.1 beta-mannosidase precursor
NP_001030145.1 beta-sarcoglycan
NP_991267.1 beta-secretase 1 precursor
NP_001005991.1 beta-secretase 2 precursor
NP_957263.1 beta-synuclein
NP_001008594.1 beta-tectorin precursor
BAC20297.1 beta-type globin
NP_001177862.1 beta-type platelet-derived growth factor receptor

NP_955910.1 beta-ureidopropionase
 AFD18592.1 Bf/C2A3
 AAY53906.1 bHLH muscle transcription factor MRF4
 AAH66738.1 Bhlhe40 protein
 NP_981965.1 bicaudal C homolog 2
 NP_001077017.1 bicaudal D homolog 2-like
 NP_001180520.1 bicaudal D-related protein 2
 NP_001122171.1 bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1
 NP_001133801.1 Bifunctional 3-phosphoadenosine 5-phosphosulfate synthetase 2
 NP_001191177.1 bifunctional aminoacyl-tRNA synthetase
 NP_001231147.1 bifunctional apoptosis regulator
 NP_001070098.1 bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)
 ELK01479.1 Bifunctional coenzyme A synthase
 NP_001004577.1 bifunctional coenzyme A synthase precursor
 NP_001082857.1 bifunctional lysine-specific demethylase and histidyl-hydroxylase NO66
 BAB62104.1 bifunctional metabotropic receptor for extracellular calcium and glutamate
 ACC09728.1 Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial precursor
 NP_001071046.1 bifunctional polynucleotide phosphatase/kinase
 NP_001076265.2 bifunctional purine biosynthesis protein PURH
 NP_957177.1 bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase
 NP_001002227.1 biglycan a precursor
 NP_001002574.1 bile acid receptor
 NP_001188009.1 biliverdin reductase a
 AAT68064.1 BING4-like
 NP_001154068.1 Biogenesis of lysosome-related organelles complex-1 subunit 3
 NP_001231685.1 biogenesis of lysosome-related organelles complex-1, subunit 2 isoform 2
 NP_001017887.1 bis(5'-adenosyl)-triphosphatase enpp4 precursor
 NP_001002323.1 bis(5'-nucleosyl)-tetraphosphatase
 NP_001002630.1 bisphosphoglycerate mutase
 NP_956312.1 bleomycin hydrolase
 NP_001001847.2 blood vessel epicardial substance isoform 1
 AAX12162.1 bloodthirsty
 BAM36388.1 bloodthirsty-1
 BAM36389.1 bloodthirsty-2
 NP_001070087.1 bloodthirsty-related gene family, member 12
 NP_001107915.1 bloodthirsty-related gene family, member 18
 NP_001070626.2 bloodthirsty-related gene family, member 2
 NP_001116523.1 bloodthirsty-related gene family, member 22
 NP_956716.1 bloodthirsty-related gene family, member 30
 NP_001120951.1 bloodthirsty-related gene family, member 6
 AAH55578.1 Blzf1 protein
 NP_001002189.1 BMP and activin membrane-bound inhibitor homolog (*Xenopus laevis*) b precursor
 NP_571859.1 BMP and activin membrane-bound inhibitor homolog precursor
 AAI63048.1 Bmp2a protein
 NP_001180469.1 BMP-2-inducible protein kinase isoform 1
 NP_001008644.2 BMP-2-inducible protein kinase isoform 2
 ABD48948.1 Bmper
 AAI63471.1 Bmpr1a protein
 AAT68100.1 b-myb
 AAI34073.1 Bnip2 protein
 AAI14256.1 Bnip2 protein, partial
 NP_001091732.1 BoLa class II histocompatibility antigen, DQB*0101 beta chain-like
 NP_001153990.1 BoLA-like protein 2
 NP_001003525.1 boLA-like protein 3
 ABD90687.1 bone morphogenetic protein 1
 NP_001124072.1 bone morphogenetic protein 10 precursor
 ADW20149.1 bone morphogenetic protein 15
 NP_001165247.1 bone morphogenetic protein 16 precursor
 NP_001035126.1 bone morphogenetic protein 1a precursor
 AAT39506.1 bone morphogenetic protein 1b
 AFK10510.1 bone morphogenetic protein 2/4
 ABK34489.1 bone morphogenetic protein 2b
 NP_001071233.1 bone morphogenetic protein 3
 ABK34490.1 bone morphogenetic protein 4
 NP_957345.1 bone morphogenetic protein 5 precursor
 NP_571396.1 bone morphogenetic protein 7a precursor
 NP_001038436.1 bone morphogenetic protein 8A
 CBH32481.1 bone morphogenetic protein receptor IA
 NP_001034896.1 bone morphogenetic protein receptor type-2 precursor
 NP_571696.2 bone morphogenetic protein receptor, type 1a precursor
 NP_001004585.1 bone morphogenetic protein receptor, type 1ab precursor
 NP_001034906.1 bone morphogenetic protein receptor, type II a (serine/threonine kinase) precursor
 AAI63200.1 Bone morphogenetic protein receptor, type II b (serine/threonine kinase)
 AFN26674.1 bone morphogenic protein receptor type IIa, partial
 NP_001007457.1 borealin
 NP_001189355.1 borealin-2 isoform 1
 CBN81353.1 BR serine/threonine-protein kinase 1
 NP_571237.1 brachyury protein homolog A
 AAO61499.1 brachyury transcription factor

NP_001070631.1 brain creatine kinase
 NP_956458.1 brain mitochondrial carrier protein 1
 NP_001133120.1 brain protein 16
 EHB07494.1 Brain protein 44-like protein
 NP_001189435.1 brain specific kinase 146-like
 NP_571670.2 brain-derived neurotrophic factor precursor
 NP_001038475.1 brain-enriched guanylate kinase-associated protein
 NP_001035335.1 brain-specific angiogenesis inhibitor 1-associated protein 2
 NP_001074273.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 2
 NP_999892.1 brain-specific homeobox protein homolog
 ACH85323.1 branched chain ketoacid dehydrogenase E1 beta polypeptide
 NP_001117675.1 branched-chain alpha-keto acid lipoamide acyltransferase
 ACN11196.1 Branched-chain-amino-acid aminotransferase, cytosolic
 NP_001002676.1 branched-chain-amino-acid aminotransferase, mitochondrial
 NP_001103766.1 BRCA1 interacting protein C-terminal helicase 1
 ADO28092.1 brca1-a complex subunit abraaxas
 NP_001017777.1 BRCA1-A complex subunit BRE
 NP_001035395.1 BRCA1-associated ATM activator 1
 NP_001002466.1 BRCA1-associated protein
 AAI51887.1 Brd3b protein
 AAH44181.1 Brd8 protein, partial
 ABO27625.1 breast and ovarian cancer susceptibility protein 2
 NP_001103864.2 breast cancer 2, early onset
 NP_001128605.1 breast cancer anti-estrogen resistance 1
 NP_001107092.1 breast cancer anti-estrogen resistance protein 3
 NP_001187279.1 breast cancer metastasis-suppressor 1-like protein
 NP_001118155.1 breast cancer resistance protein
 NP_956916.1 breast carcinoma amplified sequence 3
 ELW61768.1 Breast carcinoma-amplified sequence 3
 ELR58845.1 Breast carcinoma-amplified sequence 3, partial
 ELK35371.1 Brefeldin A-inhibited guanine nucleotide-exchange protein 1
 NP_001077282.1 brevicin core protein precursor
 CAL49303.1 BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB
 NP_956192.1 BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIBa
 NP_001088063.1 BRF1, RNA polymerase III transcription initiation factor 90 kDa subunit
 NP_956090.1 bridging integrator 2
 NP_001007422.1 bridging integrator 2a
 CBN80600.1 Bridging integrator 2b
 EAW63651.1 bridging integrator 3, isoform CRA_b
 NP_001188024.1 brix domain-containing protein 1
 ADO27860.1 brix domain-containing protein 2
 AAI54790.1 Brms1 protein
 NP_001133288.1 BRO1 domain-containing protein BROX
 ELK04634.1 Bromodomain adjacent to zinc finger domain protein 2B
 NP_001156554.1 bromodomain and PHD finger containing, 1
 NP_001076499.1 bromodomain containing 1b
 NP_001116861.1 bromodomain containing 3a
 AER95168.1 bromodomain containing 4, partial
 AAH55611.1 Bromodomain containing 7
 ACZ69563.1 bromodomain PHD finger transcription factor splice variant
 ELK16646.1 Bromodomain-containing protein 2
 NP_001104751.1 bromodomain-containing protein 4
 NP_998531.2 bromodomain-containing protein 7
 NP_997942.1 bromodomain-containing protein 8
 NP_956569.1 bromodomain-containing protein 9
 NP_001108100.1 brosin precursor
 CBN81962.1 Brother of CDO
 NP_001005393.1 brother of CDO precursor
 AAH71315.1 Brp44 protein
 AAH80207.1 BSD domain containing 1
 CAP71927.1 bsg
 NP_001103929.1 BTB (POZ) domain containing 10a
 EDL21420.1 BTB (POZ) domain containing 11, isoform CRA_b
 NP_001139053.1 BTB (POZ) domain containing 3
 EAW73104.1 BTB (POZ) domain containing 8, isoform CRA_c
 NP_001018499.1 BTB and CNC homology 1 transcription factor
 NP_001019986.1 BTB/POZ domain-containing protein 6-B
 NP_001020722.1 BTB/POZ domain-containing protein 7
 NP_001002198.1 BTB/POZ domain-containing protein 9
 ADO28277.1 btb/poz domain-containing protein kctd1
 NP_998643.1 BTB/POZ domain-containing protein KCTD10
 NP_001070619.1 BTB/POZ domain-containing protein KCTD13
 NP_001006012.1 BTB/POZ domain-containing protein kctd15-like
 NP_001122224.1 BTB/POZ domain-containing protein KCTD16
 NP_001140112.1 BTB/POZ domain-containing protein KCTD17
 NP_001038899.1 BTB/POZ domain-containing protein KCTD2
 NP_996932.1 BTB/POZ domain-containing protein KCTD5
 NP_001002329.1 BTB/POZ domain-containing protein KCTD6
 NP_001038798.1 BTB/POZ domain-containing protein KCTD7

NP_001032318.1 BTB/POZ domain-containing protein KCTD8
 NP_956093.1 BTB/POZ domain-containing protein TNFAIP1
 AAI63262.1 Btd2 protein
 AAI15090.1 Btd6 protein
 AAI39583.1 Btc protein
 ACI66378.1 BTG1
 AAH83205.1 Bub3 protein
 NP_001243709.1 bucky ball
 ELK00187.1 Bullous pemphigoid antigen 1, isoforms 6/9/10
 NP_001133923.1 Butyrate response factor 1
 NP_996938.1 butyrate response factor 2
 ACI67132.1 Butyrophilin subfamily 1 member A1 precursor
 NP_001134905.1 Butyrophilin subfamily 2 member A2
 NP_001108218.1 butyrophilin-like
 AAH56279.1 Bxdc2 protein
 AAT68139.1 bystin-like
 XP_002636096.1 C. briggsae CBR-NHR-222 protein
 ACH85358.1 C->U-editing enzyme APOBEC-2-like
 NP_001116757.1 C1 inhibitor precursor
 ACO07561.1 C10orf104 homolog
 ACM08291.1 C12orf31 homolog
 ACQ58579.1 C12orf62 homolog
 AAI54416.1 C13orf22 homolog (H. sapiens), like
 ACI68049.1 C13orf27 homolog
 ACO08009.1 C15orf24 homolog precursor
 ACM09713.1 C16orf14
 ACI66294.1 C19orf12 homolog
 NP_955961.1 C1GALT1-specific chaperone 1
 AAI27718.1 C1QL3 protein
 NP_001117852.1 C1R/C1S subunit of Ca²⁺-dependent complex precursor
 BAB17847.1 C1r/s-B
 BAB17845.1 C1rs-A
 NP_955823.1 C-1-tetrahydrofolate synthase, cytoplasmic
 ELR54616.1 C-1-tetrahydrofolate synthase, cytoplasmic, partial
 NP_001070851.1 C2 domain-containing protein 2-like
 AAH66556.1 C20orf14 homolog (H. sapiens)
 NP_956144.1 c20orf24 homolog
 ACO09360.1 C20orf29
 ACO09353.1 C20orf30 homolog
 ACN11233.1 C20orf77
 ACO09261.1 C21orf59
 BAK32934.1 C3 complement component
 ACI67526.1 C3orf60 homolog
 ACO13675.1 C3orf68 homolog
 ACI68073.1 C6orf162 homolog
 ACO09510.1 C6orf166
 ACO09628.1 C6orf206
 ACO14504.1 C6orf64 homolog
 ACO09518.1 C7orf24 homolog
 NP_001133783.1 CA055 protein
 YP_007059462.1 Ca²⁺-binding protein, RTX toxin
 XP_002410287.1 Ca²⁺-dependent activator protein for secretion 2 isoform A, putative
 AAI09406.1 Ca4b protein
 NP_001133548.1 CAAX prenyl protease 1 homolog
 NP_571895.1 cadherin 1, epithelial precursor
 AAH44347.1 Cadherin 17, LI cadherin (liver-intestine)
 NP_001070203.1 cadherin 18, type 2 precursor
 AAI63467.1 Cadherin 5
 ELK07543.1 Cadherin EGF LAG seven-pass G-type receptor 1
 NP_001074046.1 cadherin EGF LAG seven-pass G-type receptor 2 precursor
 EFZ02123.1 Cadherin prodomain like-protein
 NP_001034722.1 cadherin-10 precursor
 NP_571289.1 cadherin-11 precursor
 NP_001153302.1 cadherin-12 precursor
 NP_997771.1 cadherin-15 precursor
 NP_919403.1 cadherin-17 precursor
 ELK05686.1 Cadherin-2
 NP_571156.2 cadherin-2 precursor
 CBN82189.1 Cadherin-20
 CBN80798.1 Cadherin-22
 NP_999974.1 cadherin-23 precursor
 AAY41878.1 cadherin-4
 NP_571161.2 cadherin-4 isoform 1 precursor
 NP_001003983.1 cadherin-5 precursor
 NP_001013538.1 cadherin-6 precursor
 NP_001070916.1 cadherin-7
 NP_001005402.1 cadherin-related family member 1 precursor
 BAD52321.1 cadherin-related neuronal receptor variable 4
 NP_957012.1 calbindin 2a

NP_001090709.1 calcineurin binding protein 1
 NP_001232898.1 calcineurin-binding protein cabin-1
 NP_001007414.1 calcineurin-like phosphoesterase domain-containing protein 1
 NP_001003616.1 calcipressin-1
 CAC81278.1 calcitonin
 NP_001004010.1 calcitonin gene-related peptide type 1 receptor precursor
 AAI29301.1 Calcitonin receptor-like a
 NP_957000.1 calcium and integrin-binding family member 2
 ACO07554.1 Calcium and integrin-binding protein 1
 NP_998666.1 calcium binding protein 39, like 1
 NP_001018568.1 calcium binding protein 5
 NP_956992.1 calcium binding protein 5a
 AAY29573.1 calcium channel beta1a subunit
 ADO27941.1 calcium channel flower-like protein
 NP_001082889.1 calcium channel, voltage-dependent, alpha 2/delta subunit 2
 EDL08068.1 calcium channel, voltage-dependent, beta 2 subunit, isoform CRA_b
 NP_001075217.2 calcium channel, voltage-dependent, beta 2b isoform 1
 AAI62364.1 Calcium channel, voltage-dependent, beta 3a
 NP_001035408.2 calcium channel, voltage-dependent, beta 4b subunit isoform 1
 NP_001106988.1 calcium channel, voltage-dependent, beta 4b subunit isoform 2
 NP_001076553.1 calcium channel, voltage-dependent, gamma subunit 7a
 NP_001017733.1 calcium channel, voltage-dependent, gamma subunit 8a
 NP_001139622.1 calcium channel, voltage-dependent, L type, alpha 1S subunit, a
 NP_999891.1 calcium channel, voltage-dependent, L type, alpha 1S subunit, b
 EAW84363.1 calcium channel, voltage-dependent, P/Q type, alpha 1A subunit, isoform CRA_c
 EAW84366.1 calcium channel, voltage-dependent, P/Q type, alpha 1A subunit, isoform CRA_f
 NP_001006341.2 calcium homeostasis endoplasmic reticulum protein
 NP_001003458.1 calcium homeostasis modulator 2
 NP_991163.1 calcium release-activated calcium channel protein 1
 NP_001077302.1 calcium uptake protein 1, mitochondrial
 NP_001074127.2 calcium/calmodulin-dependent protein kinase IDb isoform long
 NP_001128515.1 calcium/calmodulin-dependent protein kinase IDb isoform short
 EDL07965.1 calcium/calmodulin-dependent protein kinase ID, isoform CRA_a
 NP_957123.1 calcium/calmodulin-dependent protein kinase IG
 BAD92525.1 calcium/calmodulin-dependent protein kinase II delta isoform 1 variant
 BAD92711.1 calcium/calmodulin-dependent protein kinase II gamma isoform 6 variant
 NP_001138561.1 calcium/calmodulin-dependent protein kinase II inhibitor 2
 NP_001186929.1 calcium/calmodulin-dependent protein kinase II inhibitor 2-like
 NP_001002642.1 calcium/calmodulin-dependent protein kinase II inhibitor-like
 AAB61379.1 calcium/calmodulin-dependent protein kinase isoform A
 NP_001014361.1 calcium/calmodulin-dependent protein kinase kinase 1
 NP_001116532.1 calcium/calmodulin-dependent protein kinase type 1D
 EHB16005.1 Calcium/calmodulin-dependent protein kinase type II alpha chain
 EHB09117.1 Calcium/calmodulin-dependent protein kinase type II beta chain
 NP_001108180.1 calcium/calmodulin-dependent protein kinase type II delta 1 chain isoform 1
 NP_001003602.1 calcium/calmodulin-dependent protein kinase type II delta 1 chain isoform 2
 ELK30878.1 Calcium/calmodulin-dependent protein kinase type II subunit delta
 NP_001017607.1 calcium/calmodulin-dependent protein kinase type IV
 AAB17873.1 calcium-activated potassium channel
 NP_001139072.1 calcium-activated potassium channel subunit alpha-1
 ADD16631.1 calcium-activated potassium channel variant C4p6-AB2
 NP_001103636.1 calcium-binding and coiled-coil domain-containing protein 1
 NP_001018577.1 calcium-binding and coiled-coil domain-containing protein 2
 NP_997947.1 calcium-binding mitochondrial carrier protein Aralar1
 NP_001004606.1 calcium-binding mitochondrial carrier protein SCaMC-1
 EHB10115.1 Calcium-binding mitochondrial carrier protein SCaMC-2
 NP_001025439.2 calcium-binding protein 2
 NP_001007328.1 calcium-binding protein 39-like
 ELW72307.1 Calcium-binding protein 39-like protein
 EHH17271.1 Calcium-binding protein 8
 ACO13927.1 Calcium-binding protein p22
 CBN80953.1 Calcium-dependent secretion activator 1
 ELK07780.1 Calcium-dependent secretion activator 1, partial
 NP_956856.1 calcium-regulated heat stable protein 1
 ADO28075.1 calcyclin-binding protein
 ADO28065.1 calcyphosin-like protein
 ELW71144.1 Calmodulin
 EDL12606.1 calmodulin binding transcription activator 2, isoform CRA_d
 NP_001159727.1 calmodulin regulated spectrin-associated protein 1a
 EGW12691.1 Calmodulin-binding transcription activator 1
 NP_001188172.1 calmodulin-like protein 4
 EHB04833.1 Calmodulin-regulated spectrin-associated protein 1
 NP_001093471.1 calmodulin-regulated spectrin-associated protein 1-B
 NP_001038461.1 calmodulin-regulated spectrin-associated protein 2
 NP_998613.1 calnexin precursor
 NP_956739.1 calpain 1, (mu/I) large subunit a
 NP_001138267.1 calpain 1, large subunit
 NP_001013519.1 calpain 2, (m/II) large subunit a
 NP_001073476.1 calpain 5

NP_001167031.1 calpain small subunit 1
 ACN11025.1 Calpain-1 catalytic subunit
 ACY78223.1 calpain-11
 ACY78225.1 calpain-2
 EGV97234.1 Calpain-3
 NP_001230250.1 calpain-3-like
 EGW12030.1 Calpain-6
 NP_001128580.1 calpain-7
 ELK32912.1 Calpain-7-like protein, partial
 NP_001003501.1 calpain-9
 NP_001076532.2 calpain-like
 CBN81110.1 Calpastatin
 NP_956047.1 calponin 3, acidic a
 NP_001019244.1 calponin 3, acidic b
 ADX33320.1 calreticulin
 NP_958873.2 calreticulin like precursor
 NP_956007.1 calreticulin precursor
 ADO29074.1 calretinin
 BAH85794.1 calsequestrin 2B
 NP_001070192.1 calsequestrin-1 precursor
 AAI27397.1 Calsyntenin 1
 NP_001071252.2 calsyntenin 1 precursor
 NP_001153311.1 calsyntenin-2 precursor
 NP_001002151.1 calumenin-A precursor
 NP_957376.1 calumenin-B precursor
 CBN80992.1 CaM kinase-like vesicle-associated protein
 AAH93372.1 Camk2a protein
 AAH49002.1 Camk2g-prov protein
 NP_957396.1 cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
 ABF22394.1 cAMP responsive element binding protein 5
 EDL23062.1 cAMP responsive element modulator, isoform CRA_a
 ABK55614.1 cAMP responsive element-binding protein
 NP_001076309.1 cAMP-dependent protein kinase catalytic subunit alpha
 NP_001030148.1 cAMP-dependent protein kinase catalytic subunit beta
 NP_001003470.1 cAMP-dependent protein kinase catalytic subunit gamma
 NP_001017732.1 cAMP-dependent protein kinase type I-alpha regulatory subunit
 NP_004148.1 cAMP-dependent protein kinase type II-alpha regulatory subunit
 NP_956924.1 cAMP-regulated phosphoprotein 19
 ELK13153.1 cAMP-responsive element modulator
 NP_001135237.1 cAMP-responsive element-binding protein 3-like protein 4
 NP_001002702.2 cAMP-responsive element-binding protein-like 2
 ELK19182.1 cAMP-specific 3',5'-cyclic phosphodiesterase 4C
 AAA97890.1 cAMP-specific phosphodiesterase HPDE4D1 variant
 NP_956883.2 canalicular multispecific organic anion transporter 1
 NP_001092924.1 cancer susceptibility candidate protein 1 homolog
 NP_001003607.1 cannabinoid receptor interacting protein 1a
 ADO28295.1 canopy-1
 BAE78825.1 Canopy2
 BAE78826.1 Canopy3
 AAH49461.1 Capg protein
 ACH70650.1 capping protein (actin filament) muscle Z-line beta
 NP_001013291.1 caprin-2
 NP_956427.1 cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1
 NP_001118181.1 carbamoyl-phosphate synthase
 AAW80263.1 carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
 ABC94631.1 carbohydrate sulfotransferase 10
 CBN80598.1 Carbohydrate sulfotransferase 11
 NP_998712.2 carbohydrate sulfotransferase 12
 NP_997994.1 carbohydrate sulfotransferase 14
 NP_001073464.2 carbohydrate sulfotransferase 2
 CBN81535.1 Carbohydrate sulfotransferase 3
 ACO09375.1 Carbohydrate sulfotransferase D4ST1
 ADO27772.1 carbonic anhydrase
 NP_001117692.1 carbonic anhydrase 1
 NP_001032782.1 carbonic anhydrase 14 precursor
 NP_001038604.1 carbonic anhydrase 15 precursor
 ACN10842.1 Carbonic anhydrase 5B, mitochondrial precursor
 NP_001187680.1 carbonic anhydrase 7
 NP_001107879.1 carbonic anhydrase IV a precursor
 NP_001017571.1 carbonic anhydrase-related protein
 NP_001032198.1 carbonic anhydrase-related protein 10 precursor
 ELW47164.1 Carbonic anhydrase-related protein 11
 NP_991219.1 carbonyl reductase family member 4
 ACM91728.1 carbonyl reductase-like 20beta-hydroxysteroid dehydrogenase
 NP_955901.1 carboxyl ester lipase precursor
 NP_001020344.1 carboxyl ester lipase, like precursor
 AAH79529.1 Carboxyl ester lipase, tandem duplicate 1
 NP_001038401.1 carboxylesterase 3 precursor
 NP_001139691.1 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein

NP_001187652.1 carboxymethylenebutenolidase homolog
 NP_954965.1 carboxypeptidase A precursor
 ADO28403.1 carboxypeptidase a1
 NP_001188244.1 carboxypeptidase a1 precursor
 CBN81929.1 Carboxypeptidase A6
 NP_001018539.2 carboxypeptidase B2 precursor
 NP_999975.1 carboxypeptidase E precursor
 NP_001017591.1 carboxypeptidase M precursor
 CBN81456.1 Carboxypeptidase N catalytic chain
 NP_001073448.1 carboxypeptidase N subunit 2 precursor
 ADO27995.1 carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1
 ACI34357.1 Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 2
 NP_001107266.1 carcinoembryonic antigen-related cell adhesion molecule 5 precursor
 NP_571767.1 cardiac myosin light chain-1
 NP_001188490.1 cardiac phospholamban-like
 ABW82147.1 cardiac sodium-calcium exchanger
 ABI20136.1 cardiac voltage-gated sodium channel alpha subunit Nav1.5
 NP_998096.1 cardiolipin synthase
 NP_001073454.2 cardiomyopathy associated 5
 NP_001180544.1 cardiomyopathy associated 5 like
 AAH81604.1 Carnitine acetyltransferase
 NP_001005587.1 carnitine O-acetyltransferase
 NP_001004594.2 carnitine O-acetyltransferase b
 NP_001073466.1 carnitine O-acetyltransferase-like
 CAF03604.1 carnitine O-palmitoyltransferase I
 ACI43578.1 carnitine O-palmitoyltransferase I liver isoform
 AFK08799.1 carnitine palmitoyltransferase 1, partial
 AEE81050.1 carnitine palmitoyltransferase 1A
 CAF04490.1 carnitine palmitoyltransferase I
 NP_001165326.1 carnitine palmitoyltransferase I-like
 AAH48039.1 Cars protein, partial
 NP_001186291.1 cartilage intermediate layer protein 1 precursor
 NP_001001406.1 cartilage-associated protein precursor
 NP_957360.1 Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1
 NP_001133068.1 casein kinase I gamma 2a
 BAC87884.1 casein kinase I alpha L
 ELW64314.1 Casein kinase I isoform alpha
 ELK38341.1 Casein kinase I isoform delta
 NP_998415.1 casein kinase I isoform delta-B
 NP_997912.1 casein kinase I isoform epsilon
 NP_001008635.1 casein kinase I isoform gamma-1
 NP_001002164.1 casein kinase II alpha 1 subunit
 EHB17185.1 Casein kinase II subunit alpha
 ELK06779.1 Caseinolytic peptidase B protein like protein
 AAI62667.1 Cask protein
 AAI46718.1 Casp2 protein
 NP_001254595.1 CASP8 and FADD-like apoptosis regulator
 NP_919380.1 CASP8 and FADD-like apoptosis regulator a
 NP_001014356.2 CASP8 associated protein 2
 NP_001117965.1 caspace-like protein
 ACV31395.1 caspase 3
 NP_001117743.1 caspase 6 precursor
 CBN81450.1 Caspase 7, apoptosis-related cysteine peptidase
 NP_001187127.1 caspase 8
 ACV31396.1 caspase 9
 NP_001007405.2 caspase 9, apoptosis-related cysteine protease
 NP_001013520.1 caspase c
 BAC00527.1 caspase recruitment domain protein
 NP_001103755.1 caspase recruitment domain-containing protein 9
 NP_001036160.1 caspase-2
 NP_001188010.1 caspase-3
 ACN11423.1 Caspase-3 precursor
 EHA99332.1 Caspase-6
 NP_571585.2 caspase-8
 AAS91706.1 caspase-8, partial
 AGC50801.1 catalase
 ACO09166.1 Catechol O-methyltransferase
 NP_001025328.2 catechol-O-methyltransferase a
 ACO07536.1 Catechol-O-methyltransferase domain-containing protein 1
 AAI55816.1 Catenin (cadherin-associated protein), alpha
 NP_001084100.1 catenin (cadherin-associated protein), alpha 1, 102kDa
 EAW62122.1 catenin (cadherin-associated protein), alpha 1, 102kDa, isoform CRA_a
 NP_001152844.1 catenin alpha-2
 ELK37994.1 Catenin alpha-2, partial
 EHA98032.1 Catenin beta-1
 NP_001180580.1 catenin delta-2
 ACH73069.1 cathepsin B precursor
 CAK11131.1 cathepsin D
 NP_001187407.1 cathepsin D precursor

NP_001244039.1 cathepsin D1 precursor
 NP_001071036.1 cathepsin F precursor
 ADO28161.1 cathepsin H
 ADO28234.1 cathepsin K
 NP_001187379.1 cathepsin K precursor
 NP_001187996.1 cathepsin L precursor
 ADO27765.1 cathepsin S
 EAW53517.1 cathepsin S, isoform CRA_a
 ACO07857.1 Cathepsin Z precursor
 ADO28280.1 cation transport regulator-like protein 1
 NP_001025128.1 cation transport regulator-like protein 2
 NP_001020678.2 cation/H+ exchanger protein 1
 NP_998370.1 cation-dependent mannose-6-phosphate receptor precursor
 NP_919408.2 cationic amino acid transporter 4
 NP_001034716.1 cation-independent mannose-6-phosphate receptor precursor
 NP_998001.2 caudal type homeo box transcription factor 1 a
 NP_001118104.1 caudal-type homeobox protein 1
 AAR16333.1 caveolin 2
 AAY42635.1 caveolin-2
 NP_001187610.1 caveolin-3
 NP_001158878.1 CB055 protein
 AAH27460.2 CBL1 protein, partial
 NP_001108363.1 cbp/p300-interacting transactivator 1
 AAH66536.1 Cbr11 protein
 AAH91981.1 Cbsb protein
 NP_001038492.1 C-C chemokine receptor family-like
 ADO27978.1 c-c chemokine receptor type 6
 NP_001092213.1 C-C chemokine receptor type 7 precursor
 ACI34134.1 C-C chemokine receptor type 9
 NP_001187123.1 CC chemokine SCYA102 precursor
 AAT52138.1 CC chemokine SCYA104
 NP_001187125.1 CC chemokine SCYA104 variant 1 precursor
 ABA54955.1 CC chemokine SCYA108
 ABA54956.1 CC chemokine SCYA109
 AAT52144.1 CC chemokine SCYA110
 NP_001187124.1 CC chemokine SCYA112
 ABA54960.1 CC chemokine SCYA113
 AAT52148.1 CC chemokine SCYA114
 AAZ99069.1 CC chemokine SCYA114B
 ABA54962.1 CC chemokine SCYA115
 ABA54963.1 CC chemokine SCYA116
 ABA54965.1 CC chemokine SCYA118
 ABA54966.1 CC chemokine SCYA119
 ACO15108.1 C-C motif chemokine 28 precursor
 AAP92648.1 Cc2-27
 AAH56512.2 CCAAT/enhancer binding protein (C/EBP), delta
 NP_571960.1 CCAAT/enhancer-binding protein alpha
 NP_571961.1 CCAAT/enhancer-binding protein gamma
 NP_001017745.2 CCAAT/enhancer-binding protein zeta
 AAI69196.1 Ccdc101 protein
 ACI69449.1 CCDC32
 AAH93327.1 Ccdc5 protein, partial
 AAI11295.1 CCPG1 protein
 NP_001073420.1 CCR4-NOT transcription complex subunit 1
 NP_001071000.1 CCR4-NOT transcription complex subunit 10
 NP_001082810.1 CCR4-NOT transcription complex subunit 11
 NP_001082993.1 CCR4-NOT transcription complex subunit 2
 ELK35567.1 CCR4-NOT transcription complex subunit 4
 NP_001157885.1 CCR4-NOT transcription complex subunit 4 isoform 1
 NP_001070723.1 CCR4-NOT transcription complex subunit 7
 NP_998644.1 CCR4-NOT transcription complex subunit 8
 NP_956134.1 CCR4-NOT transcription complex, subunit 3b
 NP_997825.1 CCR4-NOT transcription complex, subunit 6
 EDL35494.1 CCR4-NOT transcription complex, subunit 7, isoform CRA_a
 NP_001140105.1 CD032 protein
 BAB39134.1 CD11-1
 BAB39135.1 CD11-2
 AAS73147.1 CD146
 NP_991213.1 CD151 antigen
 NP_001187512.1 CD151 molecule
 NP_001187010.1 CD18 precursor
 NP_957255.1 CD2 antigen cytoplasmic tail-binding protein 2
 BAL63128.1 CD2 family receptor
 ELR59953.1 CD209 antigen, partial
 ACO14261.1 CD209 antigen-like protein A
 NP_001134518.1 CD209 antigen-like protein D
 NP_001186302.1 CD209 molecule
 NP_001074115.1 CD226 antigen precursor
 NP_001092698.2 CD248 molecule, endosialin a precursor

NP_001134263.1	CD276 antigen precursor
NP_001008583.2	CD2-associated protein
AAH86846.1	CD2-associated protein like
CAB46434.1	CD3 epsilon chain
NP_001187238.1	CD3 gamma/delta precursor
NP_001187191.1	CD3 zeta precursor
ACI69993.1	CD302 antigen precursor
NP_001117983.1	CD36 antigen
NP_001138718.1	CD40 antigen precursor
NP_001138281.1	CD40 ligand
AAV65851.1	CD45 precursor
ABD93355.1	CD4-like protein 1
ABD93352.1	CD4-like protein 2
NP_001187156.1	CD4-like protein 2 precursor
ABG37787.1	CD59
NP_001187161.1	CD59 precursor
NP_001187194.1	CD63 antigen
NP_571665.1	CD74 molecule, major histocompatibility complex, class II invariant chain a
NP_571447.1	CD74 molecule, major histocompatibility complex, class II invariant chain b
NP_001187165.1	CD79a precursor
NP_001187166.1	CD79b precursor
BAD89374.1	CD8 alpha2-2
NP_001187190.1	CD8 beta precursor
NP_001003735.1	CD81 antigen
ACQ58885.1	CD82 antigen
AAP93908.1	CD83
ACQ58590.1	CD9 antigen
ADD70243.1	CD93 antigen precursor
ACN60350.1	CD97 antigen precursor
NP_919350.1	CD99 antigen-like protein 2 precursor
NP_957443.1	CDC14 cell division cycle 14 homolog A, a
NP_001108567.1	cdc25
EDL94817.1	CDC42 binding protein kinase alpha, isoform CRA_b
NP_001039311.1	CDC42 effector protein (Rho GTPase binding) 1b
NP_001002183.1	CDC42 effector protein (Rho GTPase binding) 4a
NP_001013549.1	cdc42 effector protein 2
NP_001004568.1	cdc42 effector protein 3
CBN81637.1	Cdc42 effector protein 4
NP_001007404.1	cdc42-interacting protein 4 homolog
NP_001070219.1	CDC-like kinase 2b
NP_001013312.1	CDC-like kinase 4b
NP_956899.1	CDGSH iron sulfur domain 1
AAI62806.1	Cdh7 protein
NP_001099135.1	CDK5 and ABL1 enzyme substrate 1
CBN80591.1	CDK5 regulatory subunit-associated protein 1
ELK14936.1	CDK5 regulatory subunit-associated protein 1-like 1
NP_001002105.1	CDK5 regulatory subunit-associated protein 3
NP_001006100.1	CDK-activating kinase assembly factor MAT1
NP_998690.2	cdkn1a interacting zinc finger protein 1b
AAH56746.1	Cdkn1bl protein, partial
NP_001006085.1	CDKN2A-interacting protein
AAH49021.1	Cdkn3 protein
CBN81608.1	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial
NP_001140147.1	CDP-diacylglycerol--serine O-phosphatidyltransferase
CAA56695.1	cdx1
NP_001133449.1	CEF-10 precursor
AAH65887.1	Cel.2 protein
ABW73818.1	cell adhesion molecule 1a isoform 1
ABW73819.1	cell adhesion molecule 1a isoform 2
ABW73820.1	cell adhesion molecule 1a isoform 3
NP_001107023.2	cell adhesion molecule 1a precursor
NP_001107024.1	cell adhesion molecule 1b precursor
NP_001107027.1	cell adhesion molecule 2b precursor
NP_001038711.1	cell adhesion molecule 3
NP_001007429.1	cell adhesion molecule 4 precursor
AAB05806.1	cell adhesion molecule n-cam
NP_001075097.1	cell adhesion molecule-related/down-regulated by oncogenes precursor
NP_957192.1	cell cycle checkpoint protein RAD1
NP_001002661.1	cell cycle checkpoint protein RAD17
ACI32902.1	Cell cycle control protein 50A
NP_956890.1	cell cycle control protein 50C
NP_001167036.1	cell cycle progression 1
ACO13953.1	Cell cycle-related kinase
ADO28285.1	cell death activator cide-3
NP_001038757.2	cell death regulator aven-like
NP_001187747.1	cell differentiation protein rcd1-like protein
ACQ58326.1	Cell division control protein 2 homolog
ADO27900.1	cell division control protein 2-like protein
ACO07740.1	Cell division control protein 42

ACO08934.1 Cell division control protein 42 homolog precursor
 AAI52267.1 Cell division cycle 123 homolog (S. cerevisiae)
 ABC87083.1 cell division cycle 16
 NP_001128154.1 cell division cycle 25 homolog d
 AAI54773.1 Cell division cycle 45-like
 NP_957378.2 cell division cycle 5-like protein
 NP_001139071.1 cell division cycle and apoptosis regulator protein 1
 AAV28474.1 cell division cycle associated 8
 ADO28418.1 cell division cycle protein 123-like protein
 NP_998245.1 cell division cycle protein 20 homolog
 NP_957227.1 cell division cycle protein 23 homolog
 NP_958857.1 cell division cycle protein 27 homolog
 NP_001076292.1 cell division cycle-associated protein 2
 NP_001008580.1 cell division cycle-associated protein 4
 NP_001017574.1 cell division cycle-associated protein 7
 NP_001017622.1 cell division protein kinase 10
 NP_001008646.1 cell division protein kinase 11
 NP_001188286.1 cell division protein kinase 17
 NP_998571.1 cell division protein kinase 2
 NP_571794.1 cell division protein kinase 5
 NP_998126.2 cell division protein kinase 7
 EKC40175.1 Cell division protein kinase 8
 NP_997756.1 cell division protein kinase 9
 NP_001038722.1 cell growth regulator with RING finger domain protein 1
 NP_956973.1 cell growth-regulating nucleolar protein
 EKC22279.1 Cell surface glycoprotein 1
 AAW82446.1 cellular nucleic acid-binding protein
 NP_878278.1 cellular retinoic acid binding protein 1a
 NP_878279.1 cellular retinoic acid binding protein 2, a
 ACM08816.1 Cellular retinoic acid-binding protein
 NP_001187534.1 cellular retinoic acid-binding protein 1
 NP_001187005.1 cellular tumor antigen p53
 AAI24357.1 Cenpi protein
 AAI51945.1 Cenpk protein
 AAH95551.1 Cenpl protein
 NP_001133772.1 Centaurin-beta-1
 NP_001167130.1 Centaurin-beta-5
 ACJ02097.1 centrin 2
 NP_001107081.1 centromere protein H
 NP_001003878.1 centromere protein L precursor
 NP_001187431.1 centromere protein M
 NP_001002341.1 centromere protein N
 NP_001099172.1 centromere protein O
 NP_001140135.1 Centromere protein Q
 NP_001134977.1 centromere protein S
 NP_956435.1 centromere/kinetochore protein zw10 homolog
 AER96082.1 centrosomal protein 120kDa, partial
 NP_001003769.2 centrosomal protein 57-like 1
 NP_001007172.1 centrosomal protein 68
 NP_001091860.1 centrosomal protein kizuna
 NP_001186919.1 centrosomal protein of 135 kDa
 NP_001028906.1 centrosomal protein of 19 kDa
 ACI68147.1 Centrosomal protein of 27 kDa
 NP_001161739.1 centrosomal protein of 290 kDa
 NP_001002194.1 centrosomal protein of 41 kDa
 NP_001018598.1 centrosomal protein of 55 kDa
 NP_001108048.1 centrosomal protein of 70 kDa
 NP_001096589.1 centrosomal protein of 76 kDa
 NP_957172.1 centrosomal protein of 89 kDa
 ELR58371.1 Centrosome and spindle pole-associated protein 1, partial
 NP_001019378.1 ceramide glucosyltransferase
 NP_001099056.1 ceramide kinase
 NP_001082943.1 ceramide kinase-like protein
 NP_955922.1 ceramide synthase 5
 NP_001002520.1 cerebellin 1 precursor
 NP_001122160.1 cerebellin 2a precursor
 NP_001092208.1 cerebellin 2b precursor
 NP_001230247.1 cerebellin-1 precursor
 ELW71210.1 Cerebellin-4
 NP_001116753.1 cerebral dopamine neurotrophic factor precursor
 NP_001005982.1 ceroid-lipofuscinosis, neuronal 6a
 AAH64000.1 Ceruloplasmin
 ACN10262.1 C-factor
 ABK81647.1 C-family odorant receptor OLFCT1
 AAH90910.1 CFDP1 protein, partial
 AAI16571.1 Cflar protein
 BAB39769.2 c-fos
 CAC27530.1 c-fyn protein tyrosine kinase
 NP_001134987.1 CG030 protein

AAQ97998.1 CG17293-PA-like protein
NP_957324.1 cGMP-dependent protein kinase 1
ABW22623.1 cGMP-dependent protein kinase 1 foraging
EGV97320.1 cGMP-dependent protein kinase 1, beta isozyme
ELR49869.1 cGMP-dependent protein kinase 1, partial
NP_001098749.1 cGMP-dependent protein kinase 2
NP_001098184.1 cGMP-dependent protein kinase I alpha
ACM89297.1 cGMP-dependent protein kinase I-like protein
NP_001116732.1 cGMP-specific 3',5'-cyclic phosphodiesterase
NP_001002728.2 chaperone activity of bc1 complex-like, mitochondrial
ABG56396.1 chaperonin containing TCP1 subunit 6A
ABD65521.1 chaperonin containing TCP1 subunit 8
AAH53271.1 Chaperonin containing TCP1, subunit 3 (gamma)
AAI63866.1 Chaperonin containing TCP1, subunit 7 (eta)
NP_001087037.1 chaperonin containing TCP1, subunit 7
AES10529.1 charged multivesicular body protein 1b-like protein, partial
NP_956489.1 charged multivesicular body protein 4b
CBN82057.1 Charged multivesicular body protein 4c
ADO27962.1 charged multivesicular body protein 5
NP_957075.1 charged multivesicular body protein 7
NP_001154046.1 Checkpoint protein HUS1
NP_001107067.1 chemokine (C-C motif) ligand 20 precursor
NP_001129726.1 chemokine (C-C motif) ligand 20-like precursor
NP_001002675.1 chemokine (C-C motif) receptor 10
NP_001187252.1 chemokine (C-X-C motif), receptor 4
AAQ01587.1 chemokine
CCD11006.1 chemokine CXCL-F5
ABD85495.1 chemokine-like factor superfamily 8-like
AAI71627.1 Cherp protein
AAW19632.1 chimeraerin
XP_728850.1 chitinase
NP_001187344.1 chitinase domain-containing protein 1
NP_956351.1 chitinase domain-containing protein 1 precursor
NP_998215.1 chitinase, acidic.1 precursor
NP_998414.1 chitinase, acidic.2 precursor
NP_956161.1 chitobiosyldiphosphodolichol beta-mannosyltransferase
AAI63083.1 Chka protein
NP_001076379.1 chloride channel 1, skeletal muscle
NP_001158782.1 Chloride channel CLIC-like protein 1 precursor
NP_956676.1 chloride channel Kb
NP_001091668.1 chloride intracellular channel 5b isoform 1
NP_997847.1 chloride intracellular channel protein 1
NP_958894.1 chloride intracellular channel protein 4
NP_001099949.1 chloride transport protein 6
AAH96773.1 Chm protein
AAH66676.1 CHMP family, member 7
AAH83540.1 Chn1 protein
ACF04738.1 cholecystokinin
AFD32279.1 cholecystokinin B
NP_001187454.1 cholecystokinin precursor
ADO27958.1 cholesterol 25-hydroxylase-like protein
NP_001108042.1 cholesterol 25-hydroxylase-like protein 2
NP_957467.1 cholesterol 7-alpha-monooxygenase
NP_001007361.1 cholesteryl ester transfer protein precursor
ELK37002.1 Choline dehydrogenase, mitochondrial
NP_001124191.1 choline O-acetyltransferase
ELK26466.1 Choline transporter-like protein 1
NP_001133839.1 choline transporter-like protein 2
NP_956707.1 choline transporter-like protein 4
NP_001189363.1 choline transporter-like protein 5-B
NP_001093482.1 choline/ethanolamine kinase
NP_001133341.1 choline/ethanolaminephosphotransferase 1
NP_001017634.1 choline-phosphate cytidylyltransferase A
NP_001076415.1 choline-phosphate cytidylyltransferase B
NP_997789.1 cholinephosphotransferase 1
ABS70800.1 cholinergic receptor nicotinic alpha polypeptide 1
AAI63917.1 Cholinergic receptor, muscarinic 2
AAI63412.1 Cholinergic receptor, muscarinic 5
NP_001107315.1 cholinergic receptor, nicotinic, alpha 4 (neuronal)
NP_001041528.1 cholinergic receptor, nicotinic, alpha 4 precursor
NP_001035417.1 cholinergic receptor, nicotinic, alpha polypeptide 2a precursor
NP_001233249.1 cholinergic receptor, nicotinic, beta 1 (muscle) like
NP_957514.1 cholinergic receptor, nicotinic, beta polypeptide 3a precursor
AAH90405.1 Cholinergic receptor, nicotinic, delta polypeptide
NP_001240740.1 cholinergic receptor, nicotinic, gamma precursor
NP_957357.1 chondroadherin precursor
BAD15098.1 chondroitin 4-sulfotransferase-2
NP_001119869.1 chondroitin sulfate N-acetylgalactosaminyltransferase 2
AEV54352.1 chondroitin sulfate proteoglycan 2 isoform V1c

NP_001038357.1 chondroitin sulfate proteoglycan 5 (neuroglycan C) precursor
 NP_997843.1 chondroitin sulfate synthase 1 precursor
 NP_001017578.1 chondrolectin precursor
 AAI62594.1 Chordin
 NP_571048.1 chordin precursor
 NP_001124431.1 chordin-like protein 2 precursor
 NP_001005603.1 chorion-specific transcription factor GCMB
 AAI54208.1 Choroideremia
 XP_001894338.1 Chromadorea ALT protein
 NP_001038478.2 chromatin assembly factor 1 subunit A
 NP_998177.1 chromatin assembly factor 1 subunit B
 ACO09736.1 Chromatin modification-related protein eaf6
 NP_001070774.1 chromatin target of PRMT1b
 AAH85553.1 Chromobox homolog 2 (Drosophila Pc class)
 AAI71350.1 Chromobox homolog 4 (Pc class homolog, Drosophila)
 NP_001017853.1 chromobox homolog 7a
 NP_001019586.1 chromobox homolog 8b
 NP_956040.1 chromobox protein homolog 1
 NP_001038867.1 chromobox protein homolog 3
 NP_001073653.1 chromobox protein homolog 5
 NP_001121770.2 chromodomain helicase DNA binding protein 1
 NP_001038323.1 chromodomain helicase DNA binding protein 4
 ELW61956.1 Chromodomain-helicase-DNA-binding protein 1
 NP_956607.1 chromodomain-helicase-DNA-binding protein 1-like
 CBN80689.1 Chromodomain-helicase-DNA-binding protein 5
 ABC94614.1 chromodomain-helicase-DNA-binding protein 6
 NP_001189381.1 chromodomain-helicase-DNA-binding protein 8
 NP_001006059.1 chromogranin-A precursor
 EAW49141.1 chromosome 10 open reading frame 39
 NP_999941.1 chromosome 13 open reading frame 1
 JAA37233.1 chromosome 14 open reading frame 135
 EAW70466.1 chromosome 2 open reading frame 21, isoform CRA_b
 AAQ97748.1 chromosome 20 open reading frame 20
 EAX09868.1 chromosome 21 open reading frame 59, isoform CRA_c
 EAW48162.1 chromosome 6 open reading frame 213, isoform CRA_c
 NP_998084.1 chromosome 7 open reading frame 23
 NP_001005945.1 chromosome 9 open reading frame 78
 YP_003104354.1 chromosome partitioning ATPase
 NP_001037801.3 chromosome transmission fidelity protein 8 homolog
 NP_001188076.1 churchill
 ADO28365.1 chymotrypsin-like elastase family member 2a
 NP_001167217.1 CI150 protein
 AAH95727.1 Cideb protein
 NP_001091712.1 ciliary neurotrophic factor receptor subunit alpha precursor
 NP_001038227.1 cingulin
 NP_998447.1 cirhin
 AAI71650.1 Cited3 protein
 NP_001032493.2 citrate lyase beta-like
 AFY23974.1 citrate synthase
 NP_955892.1 citrate synthase, mitochondrial precursor
 CBN81142.1 Citron Rho-interacting kinase
 NP_001134772.1 CJ011 protein
 EHB16506.1 C-jun-amino-terminal kinase-interacting protein 4
 NP_001135017.1 CK068 protein
 AAH44342.1 Ck2a2 protein
 NP_001120339.1 CKLF-like MARVEL transmembrane domain containing 4
 ACO08649.1 CKLF-like MARVEL transmembrane domain-containing protein 7
 NP_001139916.1 CL005 protein
 NP_001133870.1 CL011 protein
 NP_001167356.1 CL026 protein
 AAC62665.1 CL3BC
 NP_001108162.1 clarin 2
 NP_001002671.1 clarin-1
 NP_001167247.1 Clarin-3
 AAT68121.1 clasp1
 NP_001071120.1 class A basic helix-loop-helix protein 15
 NP_957249.2 class E basic helix-loop-helix protein 22
 NP_001034196.1 class E basic helix-loop-helix protein 41
 CAJ29460.2 class II cytokine receptor crfb8
 AFL70283.1 class II major histocompatibility complex transactivator
 AAQ91266.1 class III histocompatibility antigen RD
 AAR19286.1 class III intermediate filament protein
 BAJ07292.1 classical MHC class I molecule, alpha-chain
 NP_001134499.1 Clathrin coat assembly protein AP180
 EGV96630.1 Clathrin heavy chain 1
 ELW64722.1 Clathrin heavy chain 2
 AAH85520.1 Clathrin interactor 1
 NP_001181907.1 clathrin, heavy polypeptide b (Hc)
 NP_001090492.1 clathrin, light chain A

NP_001007038.1	claudin 10 precursor
NP_956698.1	claudin 15a
NP_001104000.1	claudin 17
NP_001004559.2	claudin 2
NP_001233202.1	claudin 30
AAT64054.1	claudin 30b
NP_998439.1	claudin 5 precursor
NP_001003733.1	claudin 8
NP_001017799.1	claudin 8-like
NP_571841.1	claudin f
NP_571843.1	claudin i
NP_571844.1	claudin j
NP_001003464.1	claudin k
NP_571845.1	claudin-1 precursor
NP_001002624.1	claudin-11
ADO28106.1	claudin-15
NP_001187722.1	claudin-15 precursor
EHB06850.1	Claudin-18
NP_001017736.1	claudin-19
NP_571842.1	claudin-3
NP_001187850.1	claudin-4
NP_001002340.1	claudin-7-A
NP_571712.1	claudin-7-B
NP_571839.1	claudin-9
NP_851295.1	claudin-like protein ZF-A89
NP_851296.1	claudin-like protein ZF-A9
NP_001020716.1	clavesin-2
AAH75744.1	Cldn12 protein
AAT68117.1	cleavage and polyadenylation specific factor 1
NP_001108153.2	cleavage and polyadenylation specificity factor subunit 1
NP_001002384.1	cleavage and polyadenylation specificity factor subunit 2
NP_001003836.1	cleavage and polyadenylation specificity factor subunit 3
NP_571084.1	cleavage and polyadenylation specificity factor subunit 4
NP_956408.2	cleavage stimulation factor subunit 2
NP_001158824.1	Cleft lip and palate transmembrane protein 1
NP_001002380.1	cleft lip and palate transmembrane protein 1-like protein
NP_001108611.1	CLIP-associating protein 1
NP_996955.1	CLIP-associating protein 2
NP_001037794.1	CLK4-associating serine/arginine rich protein
ADL62686.1	clock 1a
ADL62687.1	clock 2, partial
NP_840080.1	clock homolog 3
AAI63244.1	Clock protein
ABI34136.1	CLOCK1a
ACI46598.1	clock-2a protein
NP_001071028.1	clustered mitochondria protein homolog
NP_001167108.1	Clusterin precursor
NP_001117890.1	clusterin-1
EHB03281.1	C-Maf-inducing protein
NP_001004012.1	CMP-N-acetylneuraminase-beta-galactosamide-alpha-2,3-sialyltransferase 2
ACO09459.1	CMP-sialic acid transporter
ELR47423.1	CMRF35-like molecule 1, partial
AAH59803.1	Cmyb protein
NP_001074458.1	C-myc promoter-binding protein
ACI69041.1	C-Myc-binding protein
NP_001139948.1	CN119 protein
NP_001133375.1	CN130 protein
NP_001134718.1	CN138 protein
AAH76079.1	CNDP dipeptidase 2 (metallopeptidase M20 family)
ACV60542.1	CNG-modulin
AAH50504.1	Cnot6 protein, partial
EAW95475.1	coactosin-like 1 (Dictyostelium), isoform CRA_a
ACN09883.1	Coactosin-like protein
NP_001107409.1	coagulation factor 2 (thrombin) receptor-like 1 precursor
NP_001092148.1	coagulation factor 9 precursor
NP_001117856.1	coagulation factor II precursor
NP_001232896.1	coagulation factor IIIa precursor
NP_001035400.1	coagulation factor IX precursor
NP_001007209.2	coagulation factor V precursor
AAK74192.1	coagulation factor VII
NP_001187676.1	coagulation factor VII precursor
NP_001167257.1	Coagulation factor X precursor
BAM48572.1	coagulation factor XIII A chain
ACA30405.1	coagulin factor II
NP_001133825.1	Coatomer subunit alpha
NP_958867.1	coatomer subunit delta
ADO27738.1	coatomer subunit epsilon
EGW09964.1	Coatomer subunit zeta-1
NP_571582.1	coatomer subunit zeta-2

NP_998418.1 COBW domain containing
 NP_001191712.1 cocaine- and amphetamine-regulated transcript ch22 precursor
 NP_001003823.1 cochlin precursor
 NP_001017747.1 coenzyme Q-binding protein COQ10 homolog B, mitochondrial precursor
 NP_957083.2 coenzyme Q-binding protein COQ10 homolog, mitochondrial
 AAQ91228.1 cofactor of BRCA2
 NP_998806.1 cofilin 2, like
 AAH91827.1 Cog3 protein
 EGW11895.1 Cohesin subunit SA-2
 AFH27823.1 cohesin subunit SA-2 isoform b
 AFJ49639.1 Coiled-coil and C2 domain-containing protein 1A
 NP_001013323.1 coiled-coil domain containing 106
 NP_001070919.2 coiled-coil domain containing 120
 NP_001038897.1 coiled-coil domain containing 127a
 NP_001071024.2 coiled-coil domain containing 147
 NP_001242988.1 coiled-coil domain containing 149-like
 NP_001070837.2 coiled-coil domain containing 151-like
 NP_001013506.1 coiled-coil domain containing 174
 NP_001188491.1 coiled-coil domain containing 57
 NP_001121419.1 coiled-coil domain containing 61
 NP_001087605.1 coiled-coil domain containing 78
 NP_001108385.1 coiled-coil domain containing 85A
 NP_001159730.1 coiled-coil domain containing 90B
 AAH44536.1 Coiled-coil domain containing 94
 NP_991115.1 coiled-coil domain-containing protein 102A
 ACI33596.1 Coiled-coil domain-containing protein 104
 NP_001140005.1 Coiled-coil domain-containing protein 107
 ELV10678.1 Coiled-coil domain-containing protein 108
 NP_001038595.2 coiled-coil domain-containing protein 11
 NP_001032455.1 coiled-coil domain-containing protein 111 homolog
 NP_001013313.1 coiled-coil domain-containing protein 115
 NP_001091652.1 coiled-coil domain-containing protein 125
 NP_001038868.1 coiled-coil domain-containing protein 126
 AFE71284.1 coiled-coil domain-containing protein 132 isoform a, partial
 NP_001076522.1 coiled-coil domain-containing protein 146
 EHB03177.1 Coiled-coil domain-containing protein 147
 ELW70497.1 Coiled-coil domain-containing protein 158
 ACO09478.1 Coiled-coil domain-containing protein 16
 NP_001020656.1 coiled-coil domain-containing protein 22
 NP_001014330.1 coiled-coil domain-containing protein 24
 ACO10112.1 Coiled-coil domain-containing protein 25
 NP_956042.1 coiled-coil domain-containing protein 28A
 NP_001139045.1 coiled-coil domain-containing protein 28B
 NP_001020681.1 coiled-coil domain-containing protein 3 precursor
 NP_001039310.1 coiled-coil domain-containing protein 34
 NP_001072342.1 coiled-coil domain-containing protein 39
 NP_001258742.1 coiled-coil domain-containing protein 40
 ELW61501.1 Coiled-coil domain-containing protein 41
 ELR50837.1 Coiled-coil domain-containing protein 43
 NP_001092719.1 coiled-coil domain-containing protein 46
 NP_001004551.1 coiled-coil domain-containing protein 47 precursor
 NP_001135268.1 Coiled-coil domain-containing protein 49
 NP_001139896.1 Coiled-coil domain-containing protein 50
 CBN81655.1 Coiled-coil domain-containing protein 56
 ADO28201.1 coiled-coil domain-containing protein 58
 NP_001002377.1 coiled-coil domain-containing protein 60
 NP_001070634.1 coiled-coil domain-containing protein 61
 NP_001020649.1 coiled-coil domain-containing protein 77
 NP_001082851.1 coiled-coil domain-containing protein 79
 NP_001007199.1 coiled-coil domain-containing protein 80 precursor
 NP_956116.1 coiled-coil domain-containing protein 82
 NP_001038849.1 coiled-coil domain-containing protein 85C-A
 NP_001108038.1 coiled-coil domain-containing protein 89
 CBN81780.1 Coiled-coil domain-containing protein 90A
 NP_001032794.1 coiled-coil domain-containing protein 92
 NP_001035414.1 coiled-coil domain-containing protein 93
 NP_001104303.1 coiled-coil domain-containing protein 94
 ABW77512.1 coiled-coil transcriptional coactivator a
 NP_001007395.1 coiled-coil-helix-coiled-coil-helix domain containing 6b
 NP_001187621.1 coiled-coil-helix-coiled-coil-helix domain-containing protein 1
 NP_957078.1 coiled-coil-helix-coiled-coil-helix domain-containing protein 10, mitochondrial
 ACM09160.1 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial precursor
 NP_001187882.1 coiled-coil-helix-coiled-coil-helix domain-containing protein 7
 NP_571587.1 coilin
 AAH67716.1 Coll14a1 protein
 AAI68501.1 Coll15a1 protein
 AAI53848.1 COL18A1 protein
 AAH04800.1 Col4a6 protein
 AAI34052.1 Col6a2 protein

AAH78424.1	Col9a2 protein
NP_001017797.1	cold inducible RNA binding protein
NP_956311.1	cold inducible RNA binding protein isoform 2
NP_001002690.1	cold shock domain-containing protein C2
NP_001186365.1	cold shock domain-containing protein E1
CAC39436.1	cold-shock domain protein
NP_001239527.1	colipase isoform 3 preproprotein
NP_001187666.1	colipase precursor
NP_571367.1	collagen alpha-1(II) chain precursor
ELK10193.1	Collagen alpha-1(IV) chain
ELK07333.1	Collagen alpha-1(V) chain
NP_001077296.1	collagen alpha-1(X) chain precursor
NP_001171883.1	collagen alpha-1(XI) chain
NP_001243003.1	collagen alpha-1(XXV) chain isoform 3
NP_001156766.1	collagen alpha-1(XXVII) chain A precursor
NP_001074044.1	collagen alpha-1(XXVII) chain B precursor
ACN58713.1	Collagen alpha-1I chain precursor
NP_001167092.1	Collagen alpha-1XIII chain
NP_001139254.1	collagen alpha-2(V) chain precursor
ELR51623.1	Collagen alpha-2(VI) chain
EGW09101.1	Collagen alpha-2(XI) chain
NP_001116702.1	collagen alpha-5(IV) chain precursor
AAA96815.1	collagen II A1, partial
YP_004261222.1	collagen triple helix repeat-containing protein
NP_001003765.1	collagen triple helix repeat-containing protein 1 precursor
ADK48763.1	collagen type I alpha 2
BAG72202.1	collagen type I alpha 3
CBN81647.1	Collagen type I alpha 3 chain
NP_001170943.1	collagen type IV alpha 1 precursor
ADG36303.1	collagen type V alpha-1
NP_001177685.1	collagen type V alpha-3a precursor
ADG36300.1	collagen type XI alpha-1a
ADG36302.1	collagen type XI alpha-2
ABQ01985.1	collagen Type XI Alpha2
CAA46928.2	collagen type XIV/undulin
NP_001034719.1	collagen type XXVIII, alpha 1
NP_001153314.1	collagen type XXVIII alpha 1 a precursor
CAA50063.1	collagen XIV
CAJ90616.1	collagen XV alpha 1 chain
AEZ53727.1	collagen, type II, alpha 1, partial
AER96553.1	collagen, type V, alpha 2, partial
NP_001177687.1	collagen, type V, alpha 3b precursor
NP_001135846.1	collagen, type VIII, alpha 1a precursor
NP_001139037.1	collagen, type XVII, alpha 1a
NP_001133996.1	Collagenase 3 precursor
EDL37524.1	collapsin response mediator protein 1, isoform CRA_c
NP_001007332.1	collectin-11 precursor
NP_001116312.1	collectin-12
ADO28039.1	collectrin
NP_001008621.1	colon cancer-associated protein Mic1
ADE34114.1	colony stimulating factor 1 receptor
NP_001107205.1	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) precursor
ABD48799.1	colony-stimulating factor 1 receptor b
ELW67397.1	Colorectal mutant cancer protein
NP_001133729.1	COMM domain-containing protein 1
ACO14139.1	COMM domain-containing protein 10
NP_001188091.1	comm domain-containing protein 2
NP_001008734.1	COMM domain-containing protein 3
NP_001187604.1	comm domain-containing protein 4
AFK10629.1	COMM domain-containing protein 5
NP_001188189.1	comm domain-containing protein 6
NP_001003577.1	COMM domain-containing protein 7
NP_001082867.1	COMM domain-containing protein 9
NP_001017875.1	complement C1q tumor necrosis factor-related protein 1 precursor
NP_001135203.1	Complement C1q tumor necrosis factor-related protein 4 precursor
NP_001025124.1	complement C1q tumor necrosis factor-related protein 5 precursor
NP_001134256.1	complement C1q-like protein 2
NP_991264.1	complement C1q-like protein 3 precursor
AAQ74974.1	complement C3
BAA36618.1	complement C3-H1
NP_001008582.3	complement C3-H1-like
BAA36620.1	complement C3-H2
BAA36621.1	complement C3-S
BAB03284.1	complement C4-1
BAB03285.1	complement C4-2
NP_001093490.1	complement component 3-like isoform 1 precursor
NP_001093483.1	complement component 3-like precursor
NP_571318.1	complement component c3b precursor
NP_001032313.1	complement component c3c precursor

BAC23057.1 complement component C5-1
 BAC23058.1 complement component C5-2
 ADV18976.1 complement component C6
 AEQ53931.1 complement component C7
 NP_001133245.1 Complement component C7 precursor
 AFH01333.1 complement component C7-1, partial
 NP_001117879.1 complement component C7-2 precursor
 NP_001003496.1 complement component C8 alpha chain
 NP_001118096.1 complement component C8 alpha chain precursor
 NP_001243652.1 complement component C8 beta chain precursor
 BAI52946.1 complement component C8gamma
 ABN49522.1 complement component C9
 BAB88921.1 complement control protein factor I-B
 NP_001244043.1 complement factor B/C2A precursor
 BAB32650.1 complement factor B/C2-A3
 NP_001244044.1 complement factor B/C2B precursor
 NP_001244045.1 complement factor D precursor
 NP_001032792.1 complement factor H like 1 precursor
 NP_001186119.1 complement factor H precursor
 NP_001117899.1 complement factor H1 protein precursor
 NP_001187240.1 complement factor I precursor
 CAF05666.1 complement receptor-like protein 1
 NP_001013512.2 complement receptor-like protein precursor
 NP_001013326.1 complex I intermediate-associated protein 30, mitochondrial
 NP_001092229.1 complex III assembly factor LYRM7
 NP_001002459.1 complexin 2, like
 NP_001165054.1 complexin 3a
 NP_001165061.1 complexin 3b
 NP_001165062.1 complexin 4c
 NP_001186247.1 complexin-2
 NP_001070768.1 complexin-4
 NP_001018154.1 component of gems 4
 NP_001167348.1 component of oligomeric golgi complex 6
 NP_001155974.1 condensin complex subunit 1
 NP_001073665.1 condensin complex subunit 2
 NP_001243134.1 condensin complex subunit 3
 NP_956624.1 condensin-2 complex subunit D3
 NP_001082961.2 condensin-2 complex subunit G2
 NP_001038456.1 condensin-2 complex subunit H2
 NP_957165.1 cone cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha'
 CBN81433.1 Cone cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha
 BAF63404.1 cone transducin alpha subunit
 NP_694419.1 cone-rod homeobox
 NP_001015041.1 connective tissue growth factor precursor
 NP_991222.1 connector enhancer of kinase suppressor of ras 1
 NP_001107119.1 connector enhancer of kinase suppressor of ras 3
 ELR59393.1 Connector enhancer of kinase suppressor of ras 3, partial
 NP_001007325.1 connexin 28.9
 AAZ78664.1 connexin 29
 AAN08575.1 connexin 34.4
 NP_001025371.1 connexin 34.5
 NP_001122238.1 connexin 35-like
 NP_001096667.3 connexin 36.7
 NP_001038288.1 connexin 39.4
 BAL05072.1 connexin 39.9
 AAI63086.1 Connexin 41.8
 AAG17938.1 connexin 43
 NP_001007214.1 connexin 45.6
 NP_001004574.1 connexin 47.1
 NP_997984.1 connexin 52.6
 AAI63649.1 Connexin 52.7
 XP_002619319.1 conserved hypothetical protein
 CCC93580.1 conserved hypothetical protein, partial
 NP_998519.1 conserved oligomeric Golgi complex subunit 2
 NP_001137512.1 conserved oligomeric Golgi complex subunit 3
 NP_001034912.1 conserved oligomeric Golgi complex subunit 4
 NP_001038609.1 conserved oligomeric Golgi complex subunit 5
 ELK28622.1 Conserved oligomeric Golgi complex subunit 6
 NP_001070861.1 conserved oligomeric Golgi complex subunit 7
 NP_001013524.1 conserved oligomeric Golgi complex subunit 8
 XP_001347496.2 conserved Plasmodium protein
 XP_001348880.1 conserved Plasmodium protein, unknown function
 YP_007268434.1 Conserved protein of unknown function, probable ancestor of PPE family protein PPE24 (fragment)
 NP_001003600.1 constitutive coactivator of peroxisome proliferator-activated receptor gamma
 CBN80632.1 Constitutive coactivator of PPAR-gamma-like protein 1
 AAS00058.1 contactin
 AAI62590.1 Contactin 2
 NP_001073520.1 contactin 4 precursor
 NP_001014814.1 contactin-1 precursor

NP_851300.2	contactin-1a precursor
CBN80966.1	Contactin-3
CBN80963.1	Contactin-4
CBN80962.1	Contactin-4, partial
NP_956098.1	contactin-5
NP_001070893.1	contactin-associated protein like 5-1 precursor
ELW72859.1	Contactin-associated protein-like 2
CBN81858.1	Contactin-associated protein-like 2, partial
AEW99984.1	contactin-associated protein-like 2a alpha isoform
AEW99986.1	contactin-associated protein-like 2b
EAW86930.1	COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis), isoform CRA_b
NP_001071227.1	COP9 signalosome complex subunit 1
NP_001002055.1	COP9 signalosome complex subunit 2
ACO09592.1	COP9 signalosome complex subunit 3
NP_991119.1	COP9 signalosome complex subunit 4
BAB01972.1	copia-like retrotransposable element
NP_957322.1	copine V
NP_001263210.1	copine-1 isoform 1
NP_001038540.1	copine-2
AFJ49756.1	Copine-2-like
NP_956461.1	copine-3
ELW48270.1	Copine-4
EGW12098.1	Copine-5
NP_001191151.1	copper chaperone for superoxide dismutase
ACO13564.1	Copper homeostasis protein cutC homolog
NP_001036185.1	copper-transporting ATPase 1
NP_001035183.2	coproporphyrinogen-III oxidase, mitochondrial
AAH56527.1	Cops4 protein
ACO51185.1	Cops7a protein
AFI74363.1	cordon bleu
NP_954679.1	core-binding factor subunit beta
ACQ58724.1	Cornifelin homolog B
NP_001103177.1	coronin, actin binding protein, 1B
NP_001083772.1	coronin, actin binding protein, 1C
NP_958452.1	coronin, actin binding protein, 1Ca
NP_957408.1	coronin-1A
ELK03908.1	Coronin-1C
NP_955937.1	coronin-2A
NP_001025407.1	coronin-7
AAH55600.1	Cortactin, like
ABN41555.1	corticotropin-releasing factor
ELW47805.1	Corticotropin-releasing factor receptor 1
AAV98392.1	corticotropin-releasing factor receptor type 1
AAV98393.1	corticotropin-releasing factor receptor type 1 isoform 2
NP_571258.1	COUP transcription factor 2
NP_001076427.1	COX11 homolog, cytochrome c oxidase assembly protein
NP_957500.1	COX15 homolog
AAH66452.1	Cox15 protein
AAH59554.1	Cox5ab protein
NP_694480.1	coxsackievirus and adenovirus receptor homolog precursor
AAH67637.1	Cpb1 protein, partial
AAI51890.1	Cpne1 protein
NP_001139884.1	CQ067 protein precursor
NP_001133348.1	CR054 protein
ADJ80991.1	CR1-3
XP_003638432.1	Craniofacial development protein
AFK80351.1	crb2b
NP_001232866.1	creatine kinase
NP_001187380.1	creatine kinase b-type
AAC96092.1	creatine kinase M1-CK
NP_942096.1	creatine kinase U-type, mitochondrial
AAH72594.1	Crebbp protein, partial
XP_003107826.1	CRE-SEC-24.1 protein
ABW96906.1	C-RFamide peptide precursor
ADL62680.1	criptochrome 1b, partial
NP_998703.1	crk-like protein
NP_957240.1	crooked neck-like protein 1
NP_998683.1	crossover junction endonuclease MUS81
AAI63555.1	Crumbs homolog 1 (Drosophila)
NP_001038627.1	crumbs homolog 2b precursor
AAI50441.1	Crygmx protein
AAI15327.1	CryII protein
NP_001082326.1	cryptic tubulin
NP_001070765.2	cryptochrome 1a
AFP33463.1	cryptochrome 2
ADL62683.1	cryptochrome 3, partial
NP_571861.2	cryptochrome-2
CAC84899.1	crystallin B1 protein
NP_001002410.1	crystallin, beta A1a

NP_001093446.1	crystallin, zeta (quinone reductase)
NP_001158740.1	CS060 protein
NP_001071213.1	CST complex subunit CTC1
AFU81783.1	CST complex subunit TEN1
NP_001158834.1	CT004 protein
NP_001133730.1	CT027 protein
NP_001134827.1	CT096 protein
NP_956605.1	CTAGE family, member 5
BAB19678.1	CtBP1
AAH56327.1	Ctbp2 protein
AAI64759.1	Ctbs protein
ELW63620.1	CTD nuclear envelope phosphatase 1
NP_001071012.1	CTD small phosphatase-like protein 2-A
NP_001035480.1	C-terminal-binding protein 1
NP_001015064.1	C-terminal-binding protein 2
NP_001182420.1	C-terminal-binding protein 2 isoform 1
NP_001103572.2	CTF18, chromosome transmission fidelity factor 18 homolog
NP_571014.1	cth1
NP_954681.1	CTP synthase 1
NP_001104717.1	CTP synthase 1b
AAI65744.1	Ctsf protein
AAH66625.1	Ctssa protein
NP_001070839.1	CTTNBP2 N-terminal-like protein
NP_956080.1	C-type lectin domain family 14, member A precursor
ACO13632.1	C-type lectin domain family 4 member E
NP_001187725.1	c-type lectin domain family 4 member f
NP_001158737.1	C-type natriuretic peptide 3 precursor
NP_001187632.1	c-type natriuretic peptide 4 precursor
ABV24054.1	Cu/Zn superoxide dismutase
ACJ72163.1	Cu ⁺⁺ transporting ATPase alpha polypeptide
NP_001074860.2	CUB and sushi domain-containing protein 3
EAW80464.1	CUB and Sushi multiple domains 1, isoform CRA_b
NP_001014355.1	CUB domain-containing protein 1 precursor
ELK28521.1	Cubilin
AAI59263.1	Cubn protein
NP_001070929.1	CUE domain containing 1a
NP_001082842.1	CUE domain-containing protein 1
NP_001017994.1	CUE domain-containing protein 2
NP_571569.2	CUGBP Elav-like family member 3
NP_001002562.1	CUGBP Elav-like family member 4
NP_001124260.1	CUGBP Elav-like family member 5
NP_001131056.1	CUGBP, Elav-like family member 5
NP_955953.2	cullin-1
CBN81753.1	Cullin-2
NP_955985.1	cullin-3
ELK26001.1	Cullin-4A
NP_001116316.1	cullin-4B
NP_001103988.1	cullin-associated and neddylation-dissociated 1
NP_998650.1	cullin-associated NEDD8-dissociated protein 1
ACI69886.1	CutA homolog precursor
NP_001187559.1	cwc15-like
AAH99952.1	Cwc22 protein
AAI63466.1	Cwf19I2 protein
AAI22249.1	CWF19-like 1, cell cycle control
NP_001038223.1	CWF19-like protein 1
NP_001158556.1	CX04A protein
AAQ17184.1	Cx32.2
NP_001122286.1	C-X-C chemokine receptor type 2-like
NP_001133965.1	C-X-C chemokine receptor type 3
NP_001117895.1	c-x-c chemokine receptor type 3B, variant 1
BAA31470.1	CXC chemokine receptor-2
NP_001134571.1	C-X-C motif chemokine 13 precursor
NP_001187131.1	CXCL2-like chemokine precursor
AAL18011.1	Cxcr4A
ACI66943.1	CXorf40A
NP_956627.1	CXXC finger 1 (PHD domain)
NP_956893.1	CXXC finger 1, like
AAI65319.1	Cxxc1 protein
AAH80245.1	Cyc1 protein
NP_956017.1	cyclic AMP-dependent transcription factor ATF-1
ADO27834.1	cyclic amp-dependent transcription factor atf-3
NP_001103989.1	cyclic AMP-dependent transcription factor ATF-6 alpha
NP_001025376.1	cyclic AMP-dependent transcription factor ATF-7
NP_998697.2	cyclic AMP-responsive element-binding protein 3
NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
NP_001074120.1	cyclic AMP-responsive element-binding protein 3-like protein 2
NP_001018509.1	cyclic AMP-responsive element-binding protein 3-like protein 3-A
AAO16601.1	cyclic nucleotide gated channel
AER38241.1	cyclic nucleotide gated ion channel alpha 3 variant 2

NP_001187094.1 cyclic nucleotide-gated channel modulatory subunit
 NP_001038211.1 cyclic nucleotide-gated olfactory channel
 AAF82778.1 cyclin A2
 AAF82780.1 cyclin B
 BAD52074.1 cyclin B3
 NP_001038533.1 cyclin D2, b
 BAH24206.1 cyclin dependent kinase like 5 short
 BAA85846.1 cyclin E
 AAQ97992.1 cyclin G1
 NP_001157251.1 cyclin K
 NP_001138257.1 cyclin M2a
 NP_997751.1 cyclin T2b
 NP_997983.1 cyclin-A1
 NP_001002665.1 cyclin-D-binding Myb-like transcription factor 1
 NP_001091165.1 cyclin-dependent kinase 10
 NP_001035398.1 cyclin-dependent kinase 15
 NP_001080154.1 cyclin-dependent kinase 17
 NP_001189413.1 cyclin-dependent kinase 2-interacting protein-like
 NP_001071245.1 cyclin-dependent kinase 4
 CBN81694.1 Cyclin-dependent kinase 5 activator 1
 NP_001017569.1 cyclin-dependent kinase 5 activator 2
 NP_001003508.1 cyclin-dependent kinase 5, regulatory subunit 2b
 NP_001137525.1 cyclin-dependent kinase 6
 NP_001187491.1 cyclin-dependent kinase inhibitor 1b
 NP_001002040.1 cyclin-dependent kinase inhibitor 1C
 NP_001139153.1 cyclin-dependent kinase inhibitor 3
 NP_001003773.1 cyclin-dependent kinase-like 1
 NP_001139240.1 cyclin-dependent kinase-like 5 isoform 1
 NP_996931.1 cyclin-F
 NP_998337.1 cyclin-G2
 ADO28338.1 cyclin-h
 ADO28052.1 cyclin-i
 ELK28073.1 Cyclin-K
 NP_001180310.1 cyclin-T2 isoform 1
 NP_001070188.1 cyclin-Y-like protein 1
 NP_001187168.1 cyclophilin B
 AAI55807.1 Cyp11b2 protein
 AAX94773.1 Cyp26D1
 AAH90298.1 Cyp2b10 protein, partial
 AAH45948.1 Cyp2j28 protein
 ACO35044.1 Cyp2x
 AAY27885.1 cypher/ZASP splice variant 1 gamma
 AAY27889.1 cypher/ZASP splice variant 2 alpha
 AAY27890.1 cypher/ZASP splice variant 2 beta
 AAY27892.1 cypher/ZASP splice variant 2 delta
 NP_997769.2 cystathionase (cystathionine gamma-lyase)
 NP_001118158.1 cystathionine-beta-synthase
 NP_001104702.1 cystathionine-beta-synthase a
 NP_001014367.2 cystathionine-beta-synthase b
 AAZ29462.1 cystatin
 NP_001096599.1 cystatin B
 ACO09585.1 Cystatin precursor
 CBN81974.1 Cystatin-B
 ACI68898.1 Cystatin-F precursor
 ACQ58839.1 Cysteine and glycine-rich protein 1
 ADO28357.1 cysteine and histidine-rich domain-containing protein 1
 NP_001070208.1 cysteine and histidine-rich protein 1
 NP_998047.1 cysteine and tyrosine-rich protein 1 precursor
 CAN88772.1 cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)
 NP_001038458.1 cysteine desulfurase, mitochondrial
 ACI32982.1 Cysteine desulfurase, mitochondrial precursor
 BAL22276.1 cysteine dioxygenase
 NP_001019605.1 cysteine protease ATG4A
 NP_001002103.1 cysteine protease ATG4C
 AAI62591.1 Cysteine rich transmembrane BMP regulator 1 (chordin like)
 NP_001007349.1 cysteine sulfinic acid decarboxylase
 CBN81999.1 Cysteine/serine-rich nuclear protein 1
 ACX31198.1 cysteine-rich angiogenic inducer 61 protein-like protein 1
 ACX31199.1 cysteine-rich angiogenic inducer 61 protein-like protein 2
 NP_001188392.1 cysteine-rich hydrophobic domain 1 protein
 ELK14124.1 Cysteine-rich motor neuron 1 protein
 NP_997986.1 cysteine-rich motor neuron 1 protein precursor
 ADO27905.1 cysteine-rich protein 2
 NP_001002699.2 cysteine-rich protein 2-binding protein
 NP_956764.1 cysteine-rich secretory protein LCCL domain containing 1b
 CBN81900.1 Cysteine-rich secretory protein LCCL domain-containing 1
 NP_001187979.1 cysteinyl leukotriene receptor 1
 NP_001112372.1 cysteinyl-tRNA synthetase, cytoplasmic
 NP_001038348.1 cystic fibrosis transmembrane conductance regulator

NP_001117005.1 cystic fibrosis transmembrane conductance regulator 1
 ABK34437.1 cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)
 NP_001018407.1 cystinosis precursor
 NP_001007449.1 cytidine and dCMP deaminase domain-containing protein 1
 AEX32920.1 cytidine deaminase
 AAI15047.1 Cytidine monophosphate N-acetylneuraminic acid synthetase
 NP_001002192.1 cytidine monophosphate-N-acetylneuraminic acid hydroxylase
 NP_001011954.1 cytochrome b reductase 1
 BAF73664.1 cytochrome b245 beta polypeptide
 NP_998300.1 cytochrome b5
 ADO29002.1 cytochrome b5 domain-containing protein 1
 NP_001018496.1 cytochrome b5 reductase 4
 NP_998041.1 cytochrome b5 type B
 NP_001122216.2 cytochrome b-561
 ACO09243.1 Cytochrome b561
 NP_001004590.1 cytochrome b-561 domain containing 1
 NP_001006102.1 cytochrome b-561 domain containing 2
 CBN81058.1 Cytochrome b-c1 complex subunit 1, mitochondrial
 ACI69039.1 Cytochrome b-c1 complex subunit 10
 NP_001032185.1 cytochrome b-c1 complex subunit 6, mitochondrial
 ADO28798.1 cytochrome c
 NP_001108388.2 cytochrome c oxidase assembly protein 3 homolog, mitochondrial
 ACO10069.1 Cytochrome c oxidase polypeptide VIIa-liver/heart, mitochondrial precursor
 ACO09705.1 Cytochrome c oxidase subunit 4 isoform 2, mitochondrial precursor
 AAH95163.1 Cytochrome c oxidase subunit IV isoform 1
 NP_001004680.1 cytochrome c oxidase subunit VIa-like
 NP_956800.1 cytochrome c oxidase subunit VIb polypeptide 2
 ACH70919.1 cytochrome c oxidase subunit VIIa polypeptide 2 like-2
 ACI33058.1 Cytochrome c-type heme lyase
 YP_004717839.1 cytochrome oxidase subunit 3
 NP_001020728.2 cytochrome P450
 NP_571229.2 cytochrome P450 19A1a
 NP_571221.2 cytochrome P450 26A1
 NP_997831.1 cytochrome P450 26B1
 ACI33595.1 Cytochrome P450 2M1
 NP_001139036.1 cytochrome P450 2U1
 ADF87312.1 cytochrome P450 3A
 ACH53593.1 cytochrome P450 4
 ACI33584.1 Cytochrome P450 4F3
 AES10612.1 Cytochrome P450 51A1, partial
 AAW65999.1 cytochrome P450 arom
 NP_001187241.1 cytochrome P450 cholesterol side chain cleavage
 AAX37329.1 cytochrome P450 CYP2Y3
 NP_001018658.1 cytochrome P450 precursor
 NP_001018446.2 cytochrome P450, family 1, subfamily C, polypeptide 1
 NP_001099140.1 cytochrome P450, family 17, subfamily A, polypeptide 2 precursor
 NP_001103171.1 cytochrome P450, family 2, subfamily AA, polypeptide 12
 NP_001103192.1 cytochrome P450, family 2, subfamily AA, polypeptide 7
 NP_001006080.1 cytochrome P450, family 2, subfamily AA, polypeptide 8
 NP_694486.1 cytochrome P450, family 2, subfamily AD, polypeptide 2
 NP_001020725.1 cytochrome P450, family 2, subfamily AD, polypeptide 3
 NP_001076405.1 cytochrome P450, family 2, subfamily AD, polypeptide 6
 NP_001243106.1 cytochrome P450, family 2, subfamily X, polypeptide 7
 NP_998497.1 cytochrome P450, family 20, subfamily A, polypeptide 1
 NP_001106808.2 cytochrome P450, family 27, subfamily C, polypeptide 1
 NP_001032515.1 cytochrome P450, family 3, subfamily A, polypeptide 65
 NP_997838.1 cytochrome P450, family 3, subfamily c, polypeptide 1
 NP_001007401.1 cytochrome P450, family 3, subfamily c, polypeptide 1 like, 2
 NP_954686.1 cytochrome P450, family 4, subfamily T, polypeptide 8
 NP_001073465.1 cytochrome P450, family 4, subfamily V, polypeptide 7
 NP_001071070.1 cytochrome P450, family 4, subfamily V, polypeptide 8
 AFJ0441.1 cytochrome P450, partial
 ADR30129.1 cytochrome P4501A
 NP_001187243.1 cytochrome P4501B
 NP_001186898.1 cytochrome P450-like
 NP_001117862.1 cytoglobin
 AA124140.1 Cytohesin 1
 NP_001072881.1 cytohesin 3
 NP_001026276.1 cytohesin-1
 NP_001167222.1 Cytohesin-2
 ELR51149.1 Cytohesin-3, partial
 NP_001118224.1 cytokine receptor common gamma chain-like precursor
 NP_001073149.1 cytokine receptor family member b1
 ADK22855.1 cytokine receptor family member b16
 NP_001071094.1 cytokine receptor family member b2 precursor
 NP_001071095.1 cytokine receptor family member b6 precursor
 ABJ97314.1 cytokine receptor family member B9
 NP_001002650.1 cytokine receptor-like factor 1 precursor
 ADC54227.1 cytokine-inducible Src homology 2

ABN04300.1 cytoplasmic polyadenylation element binding protein 2A
 ABN04303.1 cytoplasmic polyadenylation element binding protein 4
 NP_001030155.1 cytoplasmic aconitate hydratase
 NP_001036210.1 cytoplasmic dynein 1 heavy chain 1
 NP_001073459.1 cytoplasmic dynein 1 intermediate chain 1
 NP_001135229.1 Cytoplasmic dynein 1 intermediate chain 2
 NP_001095898.1 cytoplasmic dynein 1 light intermediate chain 1
 EGV95528.1 Cytoplasmic dynein 2 heavy chain 1
 ADO27757.1 cytoplasmic dynein 2 light intermediate chain 1
 ACN58730.1 Cytoplasmic FMR1-interacting protein 1 homolog
 AFJ50116.1 Cytoplasmic FMR1-interacting protein 1-like
 EHB09933.1 Cytoplasmic FMR1-interacting protein 2
 NP_001007445.1 cytoplasmic phosphatidylinositol transfer protein 1
 BAK62127.1 cytoplasmic polyadenylation element binding protein 3
 EAW50098.1 cytoplasmic polyadenylation element binding protein 3, isoform CRA_b
 ELK18304.1 Cytoplasmic polyadenylation element-binding protein 1
 NP_957275.1 cytoplasmic polyadenylation element-binding protein 4
 NP_001003492.2 cytoplasmic protein NCK2
 NP_956424.1 cytoplasmic tRNA 2-thiolation protein 1
 NP_001003560.1 cytoplasmic tRNA 2-thiolation protein 2
 NP_001119903.1 cytoskeleton-associated protein 2-like
 NP_001032756.2 cytoskeleton-associated protein 5
 NP_001108319.1 cytosol aminopeptidase
 NP_001185701.1 cytosolic 10-formyltetrahydrofolate dehydrogenase
 NP_001122185.1 cytosolic 5'-nucleotidase 1A
 NP_001158813.1 Cytosolic 5'-nucleotidase 1A
 NP_001188236.1 cytosolic 5'-nucleotidase III
 NP_001187273.1 cytosolic acetyl-CoA acetyltransferase
 NP_001004617.1 cytosolic acyl coenzyme A thioester hydrolase
 NP_001018529.1 cytosolic beta-glucosidase
 NP_001019616.1 cytosolic carboxypeptidase 1
 NP_001092717.1 cytosolic carboxypeptidase 2
 ELW70719.1 Cytosolic carboxypeptidase 4
 NP_001004113.1 cytosolic carboxypeptidase-like protein 5
 NP_001074047.2 cytosolic endo-beta-N-acetylglucosaminidase
 NP_001074460.2 cytosolic Fe-S cluster assembly factor narfl
 AEA51107.1 cytosolic malate dehydrogenase A, partial
 NP_001070806.1 cytosolic malic enzyme 1
 BAL62981.1 cytosolic nonspecific dipeptidase
 NP_571370.1 cytosolic phospholipase A2
 NP_001007431.1 cytosolic phospholipase A2 gamma-like
 NP_001073435.1 cytosolic purine 5'-nucleotidase
 NP_001133412.1 Cytosolic purine 5'-nucleotidase
 NP_899191.2 cytosolic sulfotransferase 3
 NP_001034905.1 cytospin-A
 NP_001117972.1 cytotoxic and regulatory T cell protein precursor
 NP_001183991.1 D site of albumin promoter (albumin D-box) binding protein b
 NP_898890.1 D(3) dopamine receptor
 CAA74970.1 D1A3 Dopamine receptor
 NP_001074066.1 D-2-hydroxyglutarate dehydrogenase, mitochondrial precursor
 NP_955871.1 D-3-phosphoglycerate dehydrogenase
 NP_001007153.1 D4, zinc and double PHD fingers family 2
 CAA74974.1 D4A Dopamine receptor
 AAI63491.1 Daam1 protein
 AAH78153.1 DAAM2 protein
 AAI62471.1 Dacha protein
 AAI62622.1 Dachshund c
 NP_001074142.1 dachshund homolog 1
 NP_694487.1 dachshund homolog 2
 AAH99987.1 Dag1 protein
 ADO27950.1 d-amino-acid oxidase
 NP_001187144.1 DAP10 precursor
 NP_001187183.1 DAP12 precursor
 NP_999896.2 dapper homolog 1
 AAT42266.1 dapper2
 NP_001187311.1 d-aspartate oxidase
 ABQ59654.1 DAXX
 AAH77095.1 Daxx protein
 ACI34285.1 DAZ-associated protein 1
 NP_956087.1 DAZ-associated protein 2
 ACN94469.1 Dazl
 NP_001082978.1 D-beta-hydroxybutyrate dehydrogenase, mitochondrial
 NP_001038671.1 DBH-like monooxygenase protein 1 homolog precursor
 NP_001183989.1 D-box binding protein 1
 NP_001121546.1 DCC-interacting protein 13-alpha
 NP_001121547.1 DCC-interacting protein 13-beta
 AAH78332.1 Dci protein, partial
 AAI29477.1 Dclre1a protein
 ACC09441.1 DCN1-like protein 1

EHB01165.1 DCN1-like protein 2
 NP_001096582.1 DCN1-like protein 3
 NP_001027538.1 DCN1-like protein 4
 ADO28007.1 dcn1-like protein 5
 NP_998111.2 DDB1- and CUL4-associated factor 10
 NP_001026845.1 DDB1- and CUL4-associated factor 11
 NP_001071048.1 DDB1- and CUL4-associated factor 12
 NP_956423.1 DDB1- and CUL4-associated factor 13
 NP_001138261.1 DDB1- and CUL4-associated factor 17
 NP_956995.1 DDB1- and CUL4-associated factor 4
 NP_001071020.1 DDB1- and CUL4-associated factor 5
 NP_001138562.1 DDB1- and CUL4-associated factor 6
 NP_956363.1 DDB1- and CUL4-associated factor 7
 AAH77145.1 DDEFL1 protein, partial
 NP_956587.2 DDRGK domain-containing protein 1 precursor
 AAI22412.1 Ddx10 protein
 AAI33101.1 Ddx46 protein
 AAH67585.1 Ddx5 protein
 AAH67608.1 Ddx52 protein
 ACH85363.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 21
 EAW58010.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 23, isoform CRA_a
 ABD77551.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 27
 NP_001119895.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 3
 NP_001108061.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 43
 AAH75762.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 49
 ACH85260.1 DEAD (Asp-Glu-Ala-Asp) box polypeptide 55
 AEX33122.1 dead end
 ABA42813.1 dead eye
 AAH44541.1 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (DBP5 homolog, yeast)
 NP_001189401.1 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 32
 NP_001001947.1 deafness, autosomal dominant 5
 NP_001163976.1 DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57
 NP_001084615.1 DEAH (Asp-Glu-Ala-His) box helicase 15
 NP_001108613.1 DEAH (Asp-Glu-Ala-His) box polypeptide 15
 NP_956318.1 DEAH (Asp-Glu-Ala-His) box polypeptide 16
 NP_001188242.1 death domain-containing protein CRADD
 NP_001002639.1 death effector domain-containing protein
 ABG91562.1 death ligand 1a
 ABG91564.1 death ligand 3
 ABG91568.1 death receptor 6
 NP_001093460.1 death-associated protein kinase 1
 AFJ49859.1 Death-associated protein kinase 2
 NP_001158859.1 death-associated protein kinase 3
 NP_001116536.2 death-associated protein kinase 3-like
 ADO28237.1 death-associated protein-like 1-b
 NP_001073424.1 death-inducer obliterator 1
 NP_001017656.1 decaprenyl-diphosphate synthase subunit 1
 NP_001002351.1 decaprenyl-diphosphate synthase subunit 2
 AAT35602.1 decorin
 BAL40899.1 decorin variant 1
 NP_001189422.1 dedicator of cytokinesis 11-like
 NP_001103481.1 dedicator of cytokinesis protein 1
 ELK25061.1 Dedicator of cytokinesis protein 3
 NP_001159700.1 dedicator of cytokinesis protein 4
 EHB06917.1 Dedicator of cytokinesis protein 4, partial
 BAB21487.1 deep-sea form rod opsin
 NP_001124251.1 deformed epidermal autoregulatory factor 1 homolog
 NP_001187333.1 degenerative spermatocyte homolog 2, lipid desaturase
 XP_457707.2 DEHA2C00616p
 XP_461159.2 DEHA2F18722p
 XP_462630.1 DEHA2G24970p
 NP_998352.1 dehydrodolichyl diphosphate synthase
 NP_001007425.1 dehydrogenase/reductase (SDR family) member 13a, duplicate 3
 NP_001004641.1 dehydrogenase/reductase (SDR family) member 13a, tandem duplicate 2
 NP_001003477.1 dehydrogenase/reductase (SDR family) member 3a
 NP_955903.1 dehydrogenase/reductase (SDR family) member 9
 AFK11660.1 dehydrogenase/reductase SDR family member 12
 NP_001188023.1 dehydrogenase/reductase sdr family member 13
 ACI69749.1 Dehydrogenase/reductase SDR family member 13 precursor
 NP_001134438.1 Dehydrogenase/reductase SDR family member 4
 NP_001038811.1 dehydrogenase/reductase SDR family member 7
 ADO28180.1 dehydrogenase/reductase sdr family member 7b
 NP_001018493.1 dehydrogenase/reductase SDR family member 7C
 NP_001013557.1 dehydrogenase/reductase SDR family member 7C-B precursor
 AAI69892.1 DEL-1 precursor
 EGV92326.1 Deleted in malignant brain tumors 1 protein
 NP_001038368.1 delphinin
 NP_001008597.1 delta(14)-sterol reductase
 ELW67987.1 Delta(24)-sterol reductase

NP_957452.1 delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial precursor
 CBN81485.1 Delta-1-pyrroline-5-carboxylate synthetase
 AFN21428.1 delta-6 desaturase
 NP_001017645.1 delta-aminolevulinic acid dehydratase
 AAI62095.1 DeltaC
 NP_001073304.1 delta-like protein 4 precursor
 NP_571029.1 delta-like protein A
 NP_571033.1 delta-like protein B precursor
 NP_001187423.1 delta-sarcoglycan
 NP_001120780.1 deltex1
 NP_001133880.1 deltex-3-like
 NP_001188338.1 dematin
 ACN11415.1 DENN domain-containing protein 2D
 ELW72489.1 DENN domain-containing protein 4C
 NP_997809.1 DENN domain-containing protein 5B
 EAW87571.1 DENN/MADD domain containing 1A, isoform CRA_c
 AAH42698.1 DENN/MADD domain containing 1B
 NP_001070762.1 DENN/MADD domain containing 2D
 NP_001005987.1 DENN/MADD domain containing 6Aa
 AAI63551.1 Dennd4a protein
 NP_001187821.1 density-regulated protein
 NP_001007057.1 deoxycytidine kinase
 AAO64438.1 deoxycytidine kinase 2
 ACI66682.1 Deoxycytidylate deaminase
 NP_955857.1 deoxyhypusine hydroxylase
 NP_998387.1 deoxyhypusine synthase
 NP_001153405.1 deoxynucleoside triphosphate triphosphohydrolase SAMHD1
 NP_001139258.1 deoxynucleotidyltransferase terminal-interacting protein 2
 ACO08166.1 Deoxyribonuclease gamma precursor
 NP_957163.1 deoxyribonuclease gamma-like
 AAH56304.1 Deoxyribonuclease I-like 3
 NP_001002403.1 deoxyribonuclease I-like 3, like precursor
 NP_001108210.1 deoxyribonuclease-2-alpha precursor
 NP_001006005.1 deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial
 AAI71596.1 DEP domain containing 1a
 NP_942573.1 DEP domain-containing protein 1A
 NP_001101121.1 DEP domain-containing protein 1B
 NP_001038734.1 DEP domain-containing protein 7
 NP_001038908.1 dephospho-CoA kinase domain-containing protein
 NP_001187913.1 derlin-1
 AFJ49876.1 Derlin-1-like
 ACO10173.1 Derlin-2
 AAI63379.1 Desert hedgehog
 NP_001070920.1 desmin
 NP_571038.1 desmin a
 AEY64277.1 desmocollin
 NP_001243566.1 desmoglein 2 precursor
 NP_001003532.1 desumoylating isopeptidase 2
 NP_955964.1 DET1 homolog
 AAI56155.1 Developing brain homeobox 1
 NP_001006840.1 developmentally regulated GTP binding protein 2
 AAP57207.1 developmentally regulated GTP-binding protein 1
 ABD83892.1 developmentally regulated RNA-binding protein 1-like
 NP_956332.1 developmentally-regulated GTP-binding protein 1
 ACI62769.1 dharma
 AAI50443.1 Dhcr24 protein
 XP_001022850.1 DHHC zinc finger domain containing protein
 ACO08050.1 Diablo homolog, mitochondrial precursor
 NP_956640.1 diablo, IAP-binding mitochondrial protein a
 NP_001038780.1 diacylglycerol kinase alpha
 ELV09602.1 Diacylglycerol kinase delta
 NP_956024.1 diacylglycerol O-acyltransferase 1
 NP_001008626.2 diacylglycerol O-acyltransferase 2
 NP_001002458.1 diacylglycerol O-acyltransferase homolog 1b
 ACM08220.1 Diamine acetyltransferase 1
 NP_001025370.1 diamine N-acetyltransferase 1
 NP_001167376.1 diamine N-acetyltransferase 2
 ABI79462.1 diaphanous 2
 AGC22548.1 dicer
 AAI24129.1 Dickkopf 1
 NP_001152755.1 dickkopf homolog 3b precursor
 BAA82135.1 dickkopfl
 CBN81673.1 Dickkopf-related protein 3
 NP_001083014.1 dickkopf-related protein 3 precursor
 NP_694509.1 diencephalon/mesencephalon homeobox protein 1-A isoform Mbx-L
 NP_001017625.1 diencephalon/mesencephalon homeobox protein 1-B
 NP_957334.1 differentially expressed in FDCCP 6 homolog
 AAQ91231.1 differentially expressed in FDCCP 6-like protein
 NP_001007396.1 differentially expressed in FDCCP 8 homolog

ACI34170.1 Digestive cysteine proteinase 2 precursor
NP_775380.1 digestive organ expansion factor
AAH58062.1 Digestive-organ expansion factor
NP_571850.1 dihydrofolate reductase
AAI63278.1 Dihydroipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)
NP_958914.1 dihydrolipoyl dehydrogenase, mitochondrial
NP_997832.1 dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial
NP_958895.1 dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial
NP_001008608.1 dihydroorotate dehydrogenase, mitochondrial
NP_001187412.1 dihydropteridine reductase
ABB05051.1 dihydropyridine receptor beta 1c subunit
NP_001116535.1 dihydropyrimidinase
NP_001018353.1 dihydropyrimidinase-related protein 2
NP_001018348.1 dihydropyrimidinase-related protein 3
NP_001018352.1 dihydropyrimidinase-related protein 4
NP_001018159.1 dihydropyrimidinase-related protein 5
NP_998058.1 dihydropyrimidine dehydrogenase
NP_997966.1 dimethylalanine monooxygenase-like
NP_001120524.1 dimethylarginine dimethylaminohydrolase 1
AAH48327.1 DIP2C protein, partial
NP_001070805.1 dipeptidase 1 precursor
EHB12068.1 Dipeptidyl aminopeptidase-like protein 6
NP_999887.1 dipeptidyl peptidase 1 precursor
NP_001002683.1 dipeptidyl peptidase 3
NP_001070781.2 dipeptidyl peptidase 9
NP_001085104.1 dipeptidyl-peptidase 10 (non-functional)
ACO09321.1 Dipeptidyl-peptidase 2 precursor
NP_001154809.1 dipeptidyl-peptidase 4
NP_001006034.1 diphosphoinositol polyphosphate phosphohydrolase 1
NP_001004648.1 diphosphoinositol polyphosphate phosphohydrolase 3-beta
ACO09861.1 Diphosphomevalonate decarboxylase
NP_001017861.1 diphthamide biosynthesis protein 1
NP_001082866.1 diphthamide biosynthesis protein 2
NP_001007387.1 diphthine synthase
NP_956125.1 DIRAS family, GTP-binding RAS-like 1a
NP_001103928.1 DIS3-like exonuclease 1
NP_001035775.1 disabled homolog 1
BAL43070.1 disabled homolog 1a
NP_991320.1 disabled homolog 2
ABA54872.1 disabled1 transcript variant 1
ABL61271.1 disabled1 type B transcript variant 2
NP_113952.2 discoidin domain-containing receptor 2 precursor
NP_001035066.1 discoidin, CUB and LCCL domain containing 1 precursor
AER97002.1 discoidin, CUB and LCCL domain containing 1, partial
NP_001073640.1 discoidin, CUB and LCCL domain containing 2 precursor
ELW48809.1 Discoidin, CUB and LCCL domain-containing protein 1
NP_998128.1 disco-interacting protein 2 homolog B-A
ELW71662.1 Disco-interacting protein 2 like protein C, partial
NP_001012388.1 discs large homolog 1-like protein
EDK97755.1 discs, large homolog 1 (Drosophila), isoform CRA_d
EDL06731.1 discs, large homolog 2 (Drosophila), isoform CRA_c
NP_001123829.1 discs, large homolog-associated protein 1
NP_001025307.1 disheveled-associated activator of morphogenesis 1
AAH44353.1 Dishevelled, dsh homolog 3 (Drosophila)
NP_001152786.1 disintegrin and metalloproteinase domain-containing protein 10 precursor
CBN81465.1 Disintegrin and metalloproteinase domain-containing protein 11
CBN81732.1 Disintegrin and metalloproteinase domain-containing protein 8
NP_955820.1 disks large homolog 1
NP_001191316.1 disks large homolog 1 isoform 4
NP_001012378.1 disks large homolog 2
NP_999893.1 disks large homolog 4
NP_001139075.1 disks large homolog 5
ELK15651.1 Disks large like protein 3
NP_001189384.1 disks large-associated protein 1
NP_001038179.1 disks large-associated protein 3
CBN80928.1 Disks large-associated protein 4
NP_001004592.1 disks large-associated protein 5
AAI63557.1 Dispatched homolog 1 (Drosophila)
NP_001004597.1 disrupted in renal carcinoma 2
ABD83915.1 disulfide isomerase-like
ACI33158.1 disulfide-isomerase A3 precursor
NP_878304.1 dixin-A
ABN54799.1 DJ-1
AAH47840.1 Dkc1 protein
AAH91857.1 Dkfpz564o0523 protein, partial
AAH65943.1 Dlst protein
ABG89865.1 Dlx2a
ABG89866.1 Dlx2b
ACR77512.1 Dmrt1b

NP_571461.1 DNA (cytosine-5-)-methyltransferase 3
NP_001018144.1 DNA (cytosine-5-)-methyltransferase 3 alpha a
NP_001018150.1 DNA (cytosine-5-)-methyltransferase 3A
NP_001020621.1 DNA (cytosine-5-)-methyltransferase 3B
AAI24099.1 DNA (cytosine-5-)-methyltransferase 4
AEO16873.1 DNA (cytosine-5-)-methyltransferase 7
NP_001018385.3 DNA cross-link repair 1A (PSO2 homolog, *S. cerevisiae*)
AFI92852.1 DNA damage-binding protein 1
NP_001006049.1 DNA damage-regulated autophagy modulator protein 1
NP_001002135.1 DNA damage-regulated autophagy modulator protein 2
NP_001012518.1 DNA endonuclease RBBP8
NP_001096608.1 DNA excision repair protein ERCC-1
NP_001093563.1 DNA excision repair protein ERCC-6-like
NP_001005984.1 DNA excision repair protein ERCC-8
NP_919385.1 DNA fragmentation factor subunit beta
YP_005484301.1 DNA helicase restriction enzyme Type III R subunit
NP_001119860.1 DNA ligase 1
NP_001025345.2 DNA ligase 3
NP_001096593.1 DNA ligase 4
NP_956549.1 DNA methyltransferase 1-associated protein 1
NP_001018315.1 DNA methyltransferase dnm5
NP_956953.1 DNA mismatch repair protein Mlh1
NP_998689.1 DNA mismatch repair protein Msh2
NP_001103184.1 DNA mismatch repair protein Msh3
NP_878280.1 DNA mismatch repair protein Msh6
NP_001014817.1 DNA nucleotidylexotransferase
AAT68051.1 DNA polymerase alpha
CBN81881.1 DNA polymerase alpha catalytic subunit
NP_955875.1 DNA polymerase alpha subunit B
NP_001081643.1 DNA polymerase beta
NP_001034899.1 DNA polymerase delta catalytic subunit
NP_001121995.1 DNA polymerase epsilon catalytic subunit A
NP_775353.1 DNA polymerase epsilon subunit 2
ACM08796.1 DNA polymerase epsilon subunit 4
NP_001017834.1 DNA polymerase iota
NP_998408.1 DNA polymerase lambda
AAW47418.1 DNA polymerase mu
NP_001093496.1 DNA polymerase nu
NP_001133624.1 DNA polymerase subunit alpha B
NP_001243129.1 DNA polymerase subunit delta-4
NP_999947.1 DNA primase large subunit
NP_001135348.1 DNA primase small subunit
NP_957438.1 DNA repair and recombination protein RAD54-like
NP_956079.1 DNA repair endonuclease XPF
ADF97633.1 DNA repair protein RAD51 4-like protein
NP_001006101.1 DNA repair protein RAD51 homolog 3
NP_996959.1 DNA repair protein RAD51 homolog 4
NP_001019622.1 DNA repair protein RAD52 homolog
NP_001116772.1 DNA repair protein REV1
NP_001003988.1 DNA repair protein XRCC1
NP_001013559.1 DNA repair protein XRCC3
NP_957080.1 DNA repair protein XRCC4
NP_001006081.1 DNA replication complex GINS protein PSF1
NP_001019610.1 DNA replication complex GINS protein PSF2
NP_001187562.1 DNA replication complex gins protein psf3
NP_775364.1 DNA replication licensing factor MCM2
NP_997732.1 DNA replication licensing factor MCM3
NP_944595.2 DNA replication licensing factor MCM4
NP_848523.2 DNA replication licensing factor MCM5
NP_001076318.1 DNA replication licensing factor MCM6
NP_997734.1 DNA replication licensing factor MCM7
CBN81016.1 DNA topoisomerase 1
NP_001003834.1 DNA topoisomerase 2-alpha
NP_001038656.1 DNA topoisomerase 2-beta
NP_001001838.1 DNA topoisomerase I, mitochondrial precursor
NP_001135227.1 DNA-(apurinic or apyrimidinic site) lyase
NP_956440.1 DNA-(apurinic or apyrimidinic site) lyase 2
YP_007089413.1 DNA/RNA endonuclease G, NUC1
NP_001025257.2 DNA/RNA-binding protein KIN17
NP_571677.1 DNA-binding death effector domain-containing protein 2
CBN81030.1 DNA-binding protein inhibitor ID-1
NP_958448.1 DNA-binding protein inhibitor ID-2
ACO09814.1 DNA-binding protein inhibitor ID-3
NP_001035079.1 DNA-binding protein inhibitor ID-4
NP_001013296.1 DNA-binding protein RFX2
NP_001124113.1 DNA-binding protein RFXANK
NP_001122004.1 DNA-binding protein SATB2
NP_001038365.1 DNA-binding protein SMUBP-2
NP_001076294.1 DNA-damage-inducible transcript 3

ADO28061.1 DNA-damage-inducible transcript 4-like protein
 NP_001188185.1 DNA-directed RNA polymerase I subunit rpa12
 NP_956812.2 DNA-directed RNA polymerase I subunit RPA2
 NP_001007154.1 DNA-directed RNA polymerase I subunit RPA43
 NP_001018540.1 DNA-directed RNA polymerase I subunit RPA49
 BAC67672.1 DNA-directed RNA polymerase II largest subunit
 NP_001019632.2 DNA-directed RNA polymerase II subunit RPB2
 NP_001161428.1 DNA-directed RNA polymerase II subunit RPB3
 ACO13878.1 DNA-directed RNA polymerase II subunit RPB4
 CBN81514.1 DNA-directed RNA polymerase III subunit RPC1
 NP_001188119.1 DNA-directed RNA polymerase III subunit rpc10
 ACN58727.1 DNA-directed RNA polymerase III subunit RPC2
 NP_956526.1 DNA-directed RNA polymerase III subunit RPC3
 NP_997919.1 DNA-directed RNA polymerase III subunit RPC5
 NP_001188039.1 DNA-directed RNA polymerase III subunit rpc6
 NP_001119941.1 DNA-directed RNA polymerase III subunit RPC7
 NP_001133073.1 DNA-directed RNA polymerase III subunit RPC7-like
 NP_956860.1 DNA-directed RNA polymerases I and III subunit RPAC1
 NP_958499.1 DnaJ (Hsp40) homolog, subfamily A, member 3B
 NP_956067.1 DnaJ (Hsp40) homolog, subfamily B, member 1
 AAI58422.1 DnaJ (Hsp40) homolog, subfamily B, member 12
 EAW54455.1 DnaJ (Hsp40) homolog, subfamily B, member 12, isoform CRA_b
 NP_001003571.1 DnaJ (Hsp40) homolog, subfamily B, member 1a
 NP_001032663.2 DnaJ (Hsp40) homolog, subfamily B, member 5-like
 NP_956599.1 DnaJ (Hsp40) homolog, subfamily B, member 6b
 NP_001072583.1 DnaJ (Hsp40) homolog, subfamily C, member 11
 AAH49406.1 DnaJ (Hsp40) homolog, subfamily C, member 3
 NP_955956.1 dnaJ homolog subfamily A member 1
 NP_958470.1 dnaJ homolog subfamily A member 3, mitochondrial
 NP_001133524.1 DnaJ homolog subfamily B member 1
 AFJ49904.1 dnaJ homolog subfamily B member 11
 NP_997824.1 dnaJ homolog subfamily B member 12
 NP_001071255.1 dnaJ homolog subfamily B member 14
 NP_001073462.1 dnaJ homolog subfamily B member 2
 ACO09154.1 DnaJ homolog subfamily B member 4
 NP_001020355.1 dnaJ homolog subfamily B member 9 precursor
 NP_001071003.1 dnaJ homolog subfamily C member 1 precursor
 NP_001077016.1 dnaJ homolog subfamily C member 10
 NP_997796.1 dnaJ homolog subfamily C member 11
 CBN82117.1 DnaJ homolog subfamily C member 13
 NP_001140087.1 DnaJ homolog subfamily C member 17
 NP_001107060.1 dnaJ homolog subfamily C member 18
 NP_956338.1 dnaJ homolog subfamily C member 21
 NP_001191967.1 dnaJ homolog subfamily C member 25
 NP_001007163.1 dnaJ homolog subfamily C member 27
 NP_001017648.1 dnaJ homolog subfamily C member 28
 NP_997842.1 dnaJ homolog subfamily C member 4
 NP_001133428.1 DnaJ homolog subfamily C member 7
 NP_001002433.1 dnaJ homolog subfamily C member 9
 ELW68382.1 DnaJ like protein subfamily A member 1
 NP_997830.1 DnaJ subfamily A member 2-like
 AAH66411.1 Dnajb11 protein
 AAH55125.1 Dnajc2 protein
 AAI55780.1 Dnajc24 protein
 NP_001187871.1 DnaJ-like protein subfamily b member 13
 ADO28070.1 DnaJ-like protein subfamily b member 5
 ABA54278.1 DnaJ-like subfamily B member 11
 ABA54279.1 DnaJ-like subfamily B member 6
 AAI63893.1 Dnmt1 protein
 AAI16484.1 Dock7 protein
 NP_998253.1 docking protein 1
 NP_001133656.1 docking protein 2
 NP_001082908.1 docking protein 6
 NP_001103954.1 dolichol kinase
 NP_001116318.1 dolichol phosphate-mannose biosynthesis regulatory protein
 NP_001007062.1 dolichyldiphosphatase 1
 NP_998258.1 dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit precursor
 ACN11098.1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 precursor
 NP_001007474.1 dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1
 ELW72225.1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A
 NP_001018532.1 dolichyl-P-Man:Man(5)GlcNAc(2)-PP-dolichyl mannosyltransferase
 NP_001092219.1 dolichyl-P-Man:Man(7)GlcNAc(2)-PP-dolichyl-alpha-1,6-mannosyltransferase precursor
 NP_001103164.1 dopamine beta-hydroxylase
 ADP89572.1 dopamine D2 receptor
 ABH06893.1 dopamine D2A receptor
 ACY74597.1 dopamine D3 receptor, partial
 AAW80615.1 dopamine D4b receptor
 NP_898891.1 dopamine receptor D2a
 NP_922918.1 dopamine receptor D2b

NP_001012638.2 dopamine receptor D4 related sequence
 NP_001012636.1 dopamine receptor D4b
 NP_956904.1 dopey family member 2
 AAI62791.1 Dorsal root ganglia homeobox
 NP_571085.1 dorsal-ventral patterning tolloid-like protein 1 precursor
 NP_001122026.1 double C2-like domains, delta
 EDM14897.1 double cortin and calcium/calmodulin-dependent protein kinase-like 1, isoform CRA_a
 EDL35303.1 double cortin and calcium/calmodulin-dependent protein kinase-like 1, isoform CRA_f
 NP_001038395.1 double zinc ribbon and ankyrin repeat-containing protein 1
 NP_001032778.1 doublecortin domain-containing protein 2
 BAF45326.1 doublecortin like protein kinase_5
 AEN92271.1 doublesex and mab-3 related transcription factor 1
 NP_001133069.1 doublesex and mab-3 related transcription factor 2b
 AAU89440.1 doublesex and mab-3 related transcription factor 3
 NP_571027.1 doublesex- and mab-3-related transcription factor 2
 NP_001007065.2 doublesex- and mab-3-related transcription factor A2
 NP_001133380.1 Double-strand break repair protein MRE11A
 CAO98763.1 double-stranded RNA activated protein kinase
 NP_991124.1 double-stranded RNA-binding protein Staufien homolog 1
 ELK27499.1 Double-stranded RNA-binding protein Staufien like protein 2
 ADC93281.1 double-stranded RNA-specific adenosine deaminase
 AAF69673.1 double-stranded RNA-specific editase
 NP_001025395.1 Down syndrome cell adhesion molecule a precursor
 ADO28313.1 down syndrome critical region protein 3-like protein
 ADO27784.1 dpcd
 AAH95721.1 Dpp7 protein
 NP_001187634.1 dpy-30-like protein
 NP_001133681.1 dr1-associated corepressor
 NP_001002201.1 drebrin-like
 NP_001018536.1 drebrin-like protein
 ELV11796.1 Drebrin-like protein, partial
 AAI24677.1 Dsc21 protein
 ACA13262.1 dsRed1/N-WASP/Cdc42/ECCP fusion protein
 NP_001139363.1 dsRNA-activated protein kinase R
 AEN03185.1 dsRNA-dependent protein kinase
 ACY74335.1 dsx and mab-3 related transcription factor 4
 NP_956111.1 dTDP-D-glucose 4,6-dehydratase
 CAM73158.1 dtk
 AAI62462.1 Dtk protein
 NP_001134147.1 D-tyrosyl-tRNA^{Tyr} deacylase 1
 NP_001017691.1 dual adapter for phosphotyrosine and 3-phosphotyrosine and 3-phosphoinositide
 NP_001187322.1 dual specificity mitogen-activated protein kinase kinase 2
 EHH29482.1 Dual specificity mitogen-activated protein kinase kinase 2, partial
 NP_001107789.1 dual specificity mitogen-activated protein kinase kinase 5
 AAR16317.1 dual specificity phosphatase 6
 CBN81499.1 Dual specificity phosphatase DUPD1
 NP_001038344.1 dual specificity protein kinase CLK2
 NP_001020348.1 dual specificity protein phosphatase 12
 NP_001103865.1 dual specificity protein phosphatase 13
 ADO28419.1 dual specificity protein phosphatase 14
 NP_001135353.1 Dual specificity protein phosphatase 18
 NP_001121737.1 dual specificity protein phosphatase 19
 NP_001003451.1 dual specificity protein phosphatase 2
 NP_001188184.1 dual specificity protein phosphatase 22-a
 NP_001017742.2 dual specificity protein phosphatase 22-B
 NP_001187589.1 dual specificity protein phosphatase 23
 NP_957465.1 dual specificity protein phosphatase 4
 NP_997730.1 dual specificity protein phosphatase 5
 NP_956068.2 dual specificity protein phosphatase 7
 NP_957174.1 dual specificity protein phosphatase 8
 NP_001122010.1 dual specificity protein phosphatase CDC14A
 ACI33724.1 Dual specificity testis-specific protein kinase 1
 NP_001103946.1 dual specificity testis-specific protein kinase 2
 NP_001074158.1 dual specificity tyrosine-phosphorylation-regulated kinase 1A
 NP_001038298.1 dual specificity tyrosine-phosphorylation-regulated kinase 2
 ACY66899.1 dual-specificity tyrosine-regulated kinase
 XP_002175957.1 DUF1720 domain-containing protein
 NP_001070680.1 dynactin 1a
 ELK18397.1 Dynactin subunit 1
 NP_001002220.1 dynactin subunit 3
 NP_001017782.1 dynactin subunit 4
 NP_001187796.1 dynactin subunit 6
 NP_001232894.1 dynamin 1a
 NP_001243747.1 dynamin-1
 NP_957216.1 dynamin-1-like protein
 NP_998407.1 dynamin-2
 EGV93279.1 Dynamin-3
 ELV13360.1 Dynamin-like 120 kDa protein, mitochondrial
 NP_001007299.1 dynamin-like 120 kDa protein, mitochondrial precursor

ABA29743.1	dynamitin
AAH32945.1	DYNC1H1 protein
NP_942121.1	dynein assembly factor 1, axonemal
NP_001037817.1	dynein assembly factor with WDR repeat domains 1
ELK38008.1	Dynein beta chain, ciliary
XP_002259231.1	dynein heavy chain
CBN81050.1	Dynein heavy chain 1, axonemal
EGV97883.1	Dynein heavy chain 17, axonemal
EGV93882.1	Dynein heavy chain 2, axonemal
EKC18828.1	Dynein heavy chain 3, axonemal
EGV96920.1	Dynein heavy chain 5, axonemal
EGW11691.1	Dynein heavy chain 7, axonemal
EHB05914.1	Dynein heavy chain 8, axonemal
ELK27582.1	Dynein heavy chain, partial
BAB55851.1	dynein intermediate chain
CBN81135.1	Dynein intermediate chain 1, axonemal
NP_001187306.1	dynein light chain 1 axonemal
ACI69859.1	Dynein light chain roadblock-type 2
NP_991171.1	dynein light chain Tctex-type 3
NP_001120940.1	dynein regulatory complex protein 1
EDL08892.1	dynein, axonemal, heavy chain 5, isoform CRA_b
EAX03967.1	dynein, axonemal, heavy polypeptide 8, isoform CRA_b
NP_001089510.1	dynein, axonemal, intermediate chain 2
NP_001070135.1	dynein, cytoplasmic 1, intermediate chain 2a
AAI54269.1	Dynein, cytoplasmic 1, light intermediate chain 2
EAW94483.1	dynein, light chain, LC8-type 2, isoform CRA_a
NP_001140102.1	Dysbindin domain-containing protein 1
NP_957428.1	dysbindin-A
NP_001244122.1	dysferlin
AAI00011.1	Dyskeratosis congenita 1, dyskerin
NP_001133521.1	dyskerin
NP_001157197.1	dyslexia susceptibility 1 candidate gene 1 protein homolog isoform 2
NP_001074042.1	dystrobrevin beta
EDL01393.1	dystrobrevin, beta, isoform CRA_c
NP_775381.1	dystroglycan precursor
AAK38376.1	dystrophin
NP_001074036.1	dystrophin-related protein 2
NP_001074056.1	dystrotelin
AAI62536.1	Dzip1 protein
ACA48503.1	E1A binding protein p300, partial
AAA58445.1	E2A/HLF fusion protein
AAA36764.1	E2A/PRL fusion protein, partial
NP_001187227.1	E2A-1 transcription factor
NP_001187135.1	E2A2 transcription factor
NP_001184229.1	E2F transcription factor 5 isoform 1
NP_991178.1	E2F transcription factor 5 isoform 2
NP_956078.1	E2F-associated phosphoprotein
NP_001187443.1	e3 sumo-protein ligase nse2
NP_998568.2	E3 SUMO-protein ligase PIAS4
NP_001233283.1	E3 ubiquitin ligase MARCH3
NP_956469.1	E3 ubiquitin/ISG15 ligase TRIM25
ADO28040.1	e3 ubiquitin-protein ligase 8-mar
ELW66174.1	E3 ubiquitin-protein ligase AMFR
NP_001243104.1	E3 ubiquitin-protein ligase BRE1A
NP_001007331.1	E3 ubiquitin-protein ligase CBL
ELK31080.1	E3 ubiquitin-protein ligase CBL-B
NP_001093485.1	E3 ubiquitin-protein ligase CHFR
EGW13180.1	E3 ubiquitin-protein ligase HACE1
NP_001002504.2	E3 ubiquitin-protein ligase HECTD1
NP_001139236.1	E3 ubiquitin-protein ligase HECW1
EHB11293.1	E3 ubiquitin-protein ligase Itchy-like protein
NP_957246.1	E3 ubiquitin-protein ligase KCMF1
NP_001134285.1	E3 ubiquitin-protein ligase LINCR
NP_001068581.1	E3 ubiquitin-protein ligase LNX
NP_001093474.1	E3 ubiquitin-protein ligase LRSAM1
NP_001038255.2	E3 ubiquitin-protein ligase MARCH2
NP_001135117.1	E3 ubiquitin-protein ligase MARCH3
ELW49192.1	E3 ubiquitin-protein ligase MARCH4
NP_001038876.1	E3 ubiquitin-protein ligase MARCH4 precursor
NP_001108052.2	E3 ubiquitin-protein ligase MARCH7
NP_001154907.1	E3 ubiquitin-protein ligase MARCH8 isoform 1
NP_571439.2	E3 ubiquitin-protein ligase Mdm2
NP_001073146.1	E3 ubiquitin-protein ligase MIB2
NP_001012579.1	E3 ubiquitin-protein ligase MYLIP
NP_956277.1	E3 ubiquitin-protein ligase MYLIP-A
NP_001073491.1	E3 ubiquitin-protein ligase MYLIP-B
NP_001029358.1	E3 ubiquitin-protein ligase NEDD4
NP_998681.1	E3 ubiquitin-protein ligase NRDP1
NP_001017635.1	E3 ubiquitin-protein ligase parkin

ACQ58686.1 E3 ubiquitin-protein ligase RAD18
NP_998061.1 E3 ubiquitin-protein ligase riffylin
NP_571288.1 E3 ubiquitin-protein ligase RING2
NP_997780.1 E3 ubiquitin-protein ligase RNF128 precursor
NP_001134448.1 E3 ubiquitin-protein ligase RNF138
NP_957431.2 E3 ubiquitin-protein ligase RNF144B
NP_001014380.1 E3 ubiquitin-protein ligase rnf152
NP_001158881.1 E3 ubiquitin-protein ligase RNF167 precursor
NP_956149.1 E3 ubiquitin-protein ligase RNF168
NP_001189369.1 E3 ubiquitin-protein ligase RNF19B
NP_957477.1 E3 ubiquitin-protein ligase RNF25
NP_001158808.1 E3 ubiquitin-protein ligase RNF34
NP_991116.1 E3 ubiquitin-protein ligase RNF8 isoform 1
NP_991329.1 E3 ubiquitin-protein ligase RNF8 isoform 2
NP_001038257.1 E3 ubiquitin-protein ligase SH3RF1 isoform 2
NP_955815.1 E3 ubiquitin-protein ligase Siah1
NP_956721.1 E3 ubiquitin-protein ligase Siah2
NP_001001943.1 E3 ubiquitin-protein ligase SMURF1
NP_001107898.1 E3 ubiquitin-protein ligase SMURF2
NP_001073654.1 E3 ubiquitin-protein ligase TRAF7
NP_001107066.1 E3 ubiquitin-protein ligase TRIM32
NP_001002871.2 E3 ubiquitin-protein ligase TRIM33
NP_956578.1 E3 ubiquitin-protein ligase TRIM41
ELK00301.1 E3 ubiquitin-protein ligase UBR2
NP_001157866.1 E3 ubiquitin-protein ligase UBR5
NP_956900.1 E3 UFM1-protein ligase 1
ADN65980.1 E4 binding protein 4-6
NP_001004116.1 E74-like factor 2a (ets domain transcription factor)
AAF19643.1 early B-cell transcription factor
NP_571072.2 early growth response protein 2b
NP_001002647.1 early growth response protein 3
NP_001187011.1 EB1
AEJ88359.1 EBF1-PDGFRB fusion protein
NP_001187247.1 E-box binding protein 1
NP_956185.1 ecdysoneless
AAF65452.1 ECFP-retinoic acid receptor alpha fusion protein
NP_001180527.1 echinoderm microtubule-associated protein-like 1
NP_001025406.1 echinoderm microtubule-associated protein-like 2
NP_001089952.1 echinoderm microtubule-associated protein-like 4
ELW48712.1 Echinoderm microtubule-associated protein-like 5
ELK06342.1 Ecotropic viral integration site 5 protein
AAH96846.1 Ect2 protein
NP_001108537.1 ectodysplasin-A
NP_001003545.1 ectonucleoside triphosphate diphosphohydrolase 1
ACN11474.1 Ectonucleoside triphosphate diphosphohydrolase 2
NP_001077050.1 ectonucleoside triphosphate diphosphohydrolase 3
ABR15509.1 ecto-nucleoside triphosphate diphosphohydrolase 3
NP_001002419.1 ectonucleoside triphosphate diphosphohydrolase 4
NP_001017862.1 ectonucleoside triphosphate diphosphohydrolase 6
NP_001002379.2 ectonucleoside triphosphate diphosphohydrolase-like
NP_001015936.1 ectonucleotide pyrophosphatase/phosphodiesterase 2
NP_001171539.1 ectonucleotide pyrophosphatase/phosphodiesterase 6 precursor
NP_001025339.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 1
AFI37420.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2 isoform 2 preproprotein
NP_956897.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2 precursor
ACN58595.1 Ectonucleotide pyrophosphatase/phosphodiesterase family member 3
NP_001025347.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 5 precursor
NP_001013545.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 6 precursor
NP_001103995.1 ectopic P granules protein 5 homolog
AAI65707.1 Edem1 protein
AAH55547.1 Edem2 protein
NP_001187766.1 ef-hand calcium-binding domain-containing protein 1
NP_001017812.1 EF-hand calcium-binding domain-containing protein 11
NP_001073550.1 EF-hand calcium-binding domain-containing protein 4A
NP_795939.2 EF-hand calcium-binding domain-containing protein 5
NP_001017539.2 EF-hand domain-containing family member A1
NP_001188418.1 EF-hand domain-containing family member B
NP_001032472.1 EF-hand domain-containing family member C2
NP_957261.1 EF-hand domain-containing protein 1
NP_001139926.1 EF-hand domain-containing protein D1
NP_001038676.1 EF-hand domain-containing protein D2
CAP71948.1 efnb1
AAH95605.1 Efnb3 protein
AAH44380.1 Eftud2 protein
NP_001153830.1 EGF containing fibulin-like extracellular matrix protein 2b precursor
AAI62671.1 Egf protein
NP_001167044.1 EGF, latrophilin and seven transmembrane domain containing 1 precursor
NP_001008587.1 EGF-containing fibulin-like extracellular matrix protein 2a precursor
AET83979.1 EGFP/Bcl2 fusion protein

CAI65266.1	EGFP-CaMKII fusion
AAS45494.1	EGFR12
BAM65010.1	egg envelope protein
AAP15042.1	eggshell protein
AER39526.1	egl nine 1-like protein
ELK05074.1	Egl nine like protein 1
AAK40312.1	Egr-1
AAH58293.1	Egr2a protein, partial
NP_001004578.1	EH domain-containing protein 1
NP_956357.1	EH domain-containing protein 2
NP_001133614.1	EH domain-containing protein 3
NP_998039.1	EH-domain containing 1a
AAI71681.1	Ehmt 1a protein
AAI42794.1	Eif4ba protein
AAH66675.1	Eif4bb protein
BAD83640.1	eIF4G-related protein NAT1B
NP_001132936.1	elastase 2 precursor
BAM62885.1	elastase, partial
AEM37699.1	elastase-like serine protease
AAH65343.1	Elavl3 protein
NP_001172077.1	ELAV-like protein 1
NP_001231529.1	ELAV-like protein 4 isoform 1
NP_001166501.1	electrogenic sodium bicarbonate cotransporter 1
ELK33044.1	Electrogenic sodium bicarbonate cotransporter 4
ADP37962.1	electrogenic sodium bicarbonate cotransporter NBCe1 variant D
NP_001187698.1	electron transfer flavoprotein subunit alpha, mitochondrial
ACO09343.1	Electron transfer flavoprotein subunit alpha, mitochondrial precursor
NP_001004598.1	electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial
ABW96885.1	Elipsa
AAH97084.1	Elk4 protein
NP_001015065.1	ELKS/Rab6-interacting/CAST family member 1
AFE68371.1	ELKS/Rab6-interacting/CAST family member 1 isoform delta, partial
NP_001085950.1	ELL associated factor 1
AAI16572.1	Ell2 protein
CBN81153.1	Ellis-van Creveld syndrome protein
AAI18680.1	Elmod2 protein
NP_001187516.1	elongation factor 1-beta
ACQ58290.1	Elongation factor 1-delta
NP_001073463.1	elongation factor G, mitochondrial
ADI50266.1	elongation factor RNA polymerase II
NP_001073504.1	elongation factor Ts, mitochondrial
NP_001013523.1	elongation factor Tu, mitochondrial
NP_001077281.2	elongation factor, RNA polymerase II, 2
NP_001154886.1	elongation factor-1, delta, b isoform 1
NP_001005989.1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1a
NP_998581.1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1b
ADO28145.1	elongation of very long chain fatty acids protein 4
NP_001019609.2	elongation of very long chain fatty acids protein 4-like
NP_001188041.1	elongation of very long chain fatty acids protein 5
NP_955826.1	elongation of very long chain fatty acids protein 6
ADO28044.1	elongation of very long chain fatty acids protein 7
NP_001038390.1	elongator complex protein 2
NP_001014344.2	elongator complex protein 3
NP_001017638.1	elongator complex protein 4
AAH95785.1	Elov12 protein
AAI52204.1	Elov14 protein
AAH43735.1	ElrD protein
NP_001108583.1	embigin precursor
NP_001118054.1	embryonic alpha-type globin2
ADX97070.1	EMILIN-1
NP_001025378.1	EMILIN-1 precursor
NP_571354.1	empty spiracles homeobox 3
NP_991196.1	ena/VASP-like protein
NP_955813.2	Enah/Vasp-like a
AAH45427.1	Enc1 protein
ACO09218.1	Endonuclease domain-containing 1 protein precursor
NP_001019385.1	endonuclease G, mitochondrial
AAI53484.1	endonuclease reverse transcriptase
NP_956577.1	endonuclease VIII-like 1
NP_001007336.1	endonuclease VIII-like 3
ABD28619.1	Endonuclease/exonuclease/phosphatase
NP_991322.1	endonuclease/exonuclease/phosphatase family domain-containing protein 1
ABR01162.1	endonuclease/reverse transcriptase
ADI61822.1	endonuclease-reverse transcriptase
EHJ69346.1	endonuclease-reverse transcriptase HmRTE-e01
AEA51117.1	endonuclease-reverse transcriptase HmRTE-e01, partial
NP_957410.1	endophilin-A1
NP_958905.1	endophilin-A2
NP_001075160.1	endophilin-A3

ADO27938.1 endophilin-b1
 NP_957413.1 endophilin-B2
 NP_001116524.1 endoplasmic reticulum aminopeptidase 2 precursor
 NP_955464.1 endoplasmic reticulum lectin 1 precursor
 NP_001093449.1 endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase
 NP_957186.1 endoplasmic reticulum resident protein 44
 NP_001025133.1 endoplasmic reticulum-Golgi intermediate compartment protein 1
 ACO14442.1 Endoplasmic reticulum-Golgi intermediate compartment protein 2
 NP_001158869.1 Endoplasmic reticulum-Golgi intermediate compartment protein 3
 NP_001028277.1 endoplasmic reticulum-Golgi intermediate compartment protein 3 isoform 1
 NP_937853.1 endoplasmin precursor
 NP_001154925.1 endoribonuclease Dicer
 NP_001108538.1 endothelial cell adhesion molecule a precursor
 ACO10113.1 Endothelial cell-specific molecule 1 precursor
 ACI68313.1 Endothelial differentiation-related factor 1 homolog
 AFP36416.1 endothelial lipase 2
 NP_001182567.1 endothelial lipase precursor
 NP_001038650.1 endothelin 2 precursor
 ACA35035.1 endothelin receptor A, partial
 ABK91549.1 endothelin receptor type A
 ABI33935.1 endothelin receptor type A isoform U3
 NP_998095.1 endothelin receptor type Ab
 NP_571594.1 endothelin-1 precursor
 NP_001071260.1 endothelin-converting enzyme 1
 CAB46529.1 endothelin-converting enzyme-1 d isoform
 AAI63579.1 Endothelium-specific receptor tyrosine kinase 2
 AEZ53128.1 endozepine
 NP_998256.1 engulfment and cell motility protein 1
 NP_001186987.1 engulfment and cell motility protein 2
 NP_001038550.1 enhancer of mRNA-decapping protein 4
 NP_001082878.1 enhancer of polycomb homolog 1
 NP_957369.1 enhancer of polycomb homolog 2
 ELK04599.1 Enhancer of polycomb like protein 2
 NP_001002427.1 enhancer of yellow 2 transcription factor homolog
 NP_001035072.2 enhancer of zeste 1
 BAJ07324.1 enhancer of zeste homolog 1 (Drosophila)
 NP_001135165.1 enigma LIM domain protein-like
 ADO28096.1 enkurin
 AAI07495.1 Eno3 protein, partial
 CBL79145.1 enolase
 AAH59511.1 Enolase 1, (alpha)
 AAH92869.2 Enolase 3, (beta, muscle)
 ABF60006.1 enolase A
 NP_001070210.2 enolase superfamily 1
 NP_001071015.1 enolase-like protein ENO4
 NP_001002226.1 enolase-phosphatase E1
 NP_997953.1 enoyl-CoA hydratase domain-containing protein 2, mitochondrial
 NP_001098368.1 enteropeptidase-1
 ABB52640.1 envelope polyprotein
 AAL78047.1 envelope protein
 NP_001112369.1 envoplakin
 NP_571754.3 eomesodermin homolog
 AFD34212.1 eomesodermin-like protein a-1
 NP_997944.1 eosinophil peroxidase precursor
 ELR53575.1 Eotaxin, partial
 AAH31042.1 EPB41L4A protein
 AAB40062.1 ependymin, partial
 ACQ58356.1 Ependymin-1 precursor
 NP_705944.1 eph receptor A4b precursor
 NP_571489.1 eph receptor B4a precursor
 NP_571492.1 eph receptor B4b precursor
 CAM14135.1 epha4
 AAH98529.1 Epha4a protein
 AAI62500.1 Eph-like kinase 1
 AAI63275.1 Eph-like receptor tyrosine kinase 8
 CAA06303.1 Eph-like receptor tyrosine kinase rtk4
 CAA06301.1 Eph-like receptor tyrosine kinase rtk7
 NP_956891.1 ephrin A1a precursor
 NP_957077.2 ephrin A1b precursor
 NP_571883.1 ephrin B2b precursor
 NP_571490.1 ephrin type-A receptor 2 precursor
 NP_001128439.1 ephrin type-A receptor 4 precursor
 NP_001005919.1 ephrin type-A receptor 4a precursor
 ELR62597.1 Ephrin type-A receptor 5, partial
 NP_001038444.2 ephrin type-A receptor 7 precursor
 CBN80616.1 Ephrin type-A receptor 8
 ELK16718.1 Ephrin type-B receptor 1
 CBN80698.1 Ephrin type-B receptor 2
 AFE75051.1 ephrin type-B receptor 2 isoform 1 precursor, partial

NP_571172.1 ephrin type-B receptor 3 precursor
 NP_571097.1 ephrin-A2 precursor
 NP_571101.1 ephrin-A5b precursor
 NP_571880.1 ephrin-B1
 NP_001080948.2 ephrin-B1 precursor
 AFE73507.1 ephrin-B1 precursor, partial
 EGW00078.1 Ephrin-B2
 NP_571098.1 ephrin-B2a precursor
 AAH55594.1 Ephx1 protein, partial
 AAQ91602.1 epidermal growth factor receptor
 NP_956536.1 epidermal growth factor receptor kinase substrate 8
 CBN81272.1 Epidermal growth factor receptor kinase substrate 8-like protein 1
 NP_919405.1 epidermal growth factor receptor precursor
 NP_001002457.1 epidermal growth factor-like protein 6
 NP_001121758.1 epidermal Langerhans cell protein-like
 ACO09278.1 Epididymal secretory protein E1 precursor
 NP_001123695.1 epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
 ACN10577.1 Epithelial cadherin precursor
 NP_001117927.1 epithelial calcium channel
 ADB25057.1 epithelial cell adhesion molecule
 NP_001088296.1 epithelial cell transforming sequence 2 oncogene
 NP_001243659.1 epithelial membrane protein 1
 NP_001187378.1 epithelial membrane protein 2
 EGW06621.1 Epithelial splicing regulatory protein 1
 NP_957362.1 epoxide hydrolase 1
 NP_001008642.1 epoxide hydrolase 2
 NP_001006912.1 epoxide hydrolase 2, cytoplasmic
 NP_001121410.1 EPS8-like 1
 NP_956655.1 EPS8-like 3
 NP_001013331.1 eps8-like1
 NP_001002594.1 epsilon-sarcoglycan precursor
 AAH92942.1 Epyc protein
 NP_001025348.1 equilibrative nucleoside transporter 1
 NP_001012519.2 equilibrative nucleoside transporter 2
 NP_001074041.1 equilibrative nucleoside transporter 4
 NP_957483.1 ER degradation-enhancing alpha-mannosidase-like 1
 NP_998709.1 ER membrane protein complex subunit 2
 NP_991221.1 ER membrane protein complex subunit 4
 NP_956350.2 ER membrane protein complex subunit 6
 NP_001077039.1 ERBB receptor feedback inhibitor 1
 NP_001005320.1 erbB-3a precursor
 NP_001014826.1 erbB-3b precursor
 ELK37010.1 ERC protein 2
 AEO89688.1 ercc2
 AAA85822.1 ERCC2/XPD
 AAI71656.1 Erf protein
 BAB11812.1 ERK1
 NP_001014325.1 erlin-1 precursor
 NP_001121887.1 erlin-2 precursor
 AAI53468.1 Erm protein
 NP_956644.1 ERO1-like protein alpha precursor
 NP_001070106.1 ERO1-like protein beta precursor
 NP_571833.1 erythrocyte band 7 integral membrane protein
 NP_778259.1 erythrocyte membrane protein band 4.1b (elliptocytosis 1, RH-linked)
 EAW76144.1 erythrocyte membrane protein band 4.1-like 1, isoform CRA_a
 NP_999977.1 erythrocyte membrane protein band 4.1-like 3b
 NP_001161476.1 erythroid protein 4.1
 ABB83930.1 erythropoietin
 NP_001033098.1 erythropoietin isoform L2 precursor
 BAL42514.1 erythropoietin-receptor
 AAI22434.1 Es1 protein
 NP_001017662.1 ES1 protein homolog, mitochondrial
 NP_956039.2 ESF1 homolog
 ACO08974.1 Esophageal cancer related gene 4 protein precursor
 ACQ58788.1 Esophageal cancer-related gene 4 protein precursor
 NP_001116754.1 espin
 ADH51734.1 ESRP1/RAF1 fusion protein
 NP_001187548.1 ester hydrolase c11orf54-like protein
 NP_991147.1 estradiol 17-beta-dehydrogenase 1
 NP_957175.1 estradiol 17-beta-dehydrogenase 12-A
 NP_001187450.1 estradiol 17-beta-dehydrogenase 12-b
 NP_001069194.1 estradiol 17-beta-dehydrogenase 2
 NP_001187003.1 estrogen receptor
 CAC37560.1 estrogen receptor alpha
 NP_001187012.1 estrogen receptor beta
 NP_001118225.1 estrogen receptor beta 1
 ABV55459.1 estrogen receptor beta 2
 AAU05405.1 estrogen receptor EcR1
 AAU05406.1 estrogen receptor EcR2

AAA58461.1 estrogen receptor-related protein
ABB80451.1 estrogen receptor-related receptor beta a
NP_001098387.1 estrogen-related receptor alpha
AAS66637.1 estrogen-related receptor delta
NP_998119.1 estrogen-related receptor gamma
NP_001122150.1 estrogen-related receptor gamma b
CBN80609.1 Ethanolamine kinase 1
NP_001029347.1 ethanolamine kinase 2
NP_001167040.1 Ethanolamine-phosphate cytidylyltransferase
NP_956743.1 ethanolamine-phosphate phospho-lyase
ACI68458.1 ETHE1 protein, mitochondrial precursor
NP_001018399.1 ethylmalonyl-CoA decarboxylase
ADO28051.1 ets domain-containing protein elk-3
CBN81688.1 ETS domain-containing transcription factor PEA3
NP_001034911.1 ETS homologous factor
NP_001025353.1 ETS translocation variant 1
NP_571500.1 ETS translocation variant 4
NP_571280.1 ets variant 5b
NP_001032452.1 ets variant gene 2
NP_001038392.1 Ets2 repressor factor
NP_571234.1 ETS-related transcription factor Elf-1
NP_954689.1 ETS-related transcription factor Elf-2
AAI63113.1 Etv1 protein
AAI55730.1 Etv5 protein
NP_001166035.1 euchromatic histone-lysine N-methyltransferase 1b
NP_001002740.1 eukaryotic elongation factor 2 kinase
NP_001187588.1 eukaryotic initiation factor 4a-i
ADO28242.1 eukaryotic initiation factor 4a-iii
NP_001133631.1 Eukaryotic peptide chain release factor GTP-binding subunit ERF3B
NP_958868.1 eukaryotic peptide chain release factor subunit 1
NP_001017795.1 eukaryotic translation elongation factor 1 alpha 1
NP_001167139.1 Eukaryotic translation initiation factor 2 subunit 3
NP_001020341.1 eukaryotic translation initiation factor 2A
NP_001071035.1 eukaryotic translation initiation factor 2-alpha kinase 1
AAI22105.1 Eukaryotic translation initiation factor 2-alpha kinase 3
NP_001167424.1 Eukaryotic translation initiation factor 2C 3
NP_957456.1 eukaryotic translation initiation factor 2D
AFM88412.1 Eukaryotic translation initiation factor 3 subunit 3
AAAX36482.1 eukaryotic translation initiation factor 3 subunit 6
ABD65579.1 eukaryotic translation initiation factor 3 subunit 6 48kDa
NP_998628.1 eukaryotic translation initiation factor 3 subunit C
NP_956310.1 eukaryotic translation initiation factor 3 subunit D
ADO28016.1 eukaryotic translation initiation factor 3 subunit e-b
NP_001187558.1 eukaryotic translation initiation factor 3 subunit G
AEB61305.1 eukaryotic translation initiation factor 3 subunit H-like protein, partial
NP_001187527.1 eukaryotic translation initiation factor 3 subunit I
NP_957508.1 eukaryotic translation initiation factor 3 subunit J-A
NP_001187452.1 eukaryotic translation initiation factor 3 subunit k
NP_998293.1 eukaryotic translation initiation factor 3 subunit L
NP_001188224.1 eukaryotic translation initiation factor 3 subunit M
AAI69256.2 eukaryotic translation initiation factor 3, subunit 10 (theta)
NP_001186938.1 eukaryotic translation initiation factor 3, subunit F-like
NP_001073669.1 eukaryotic translation initiation factor 4 gamma 1
NP_001014311.1 eukaryotic translation initiation factor 4, gamma 2a
NP_001013461.2 eukaryotic translation initiation factor 4, gamma 2b
EDK97657.1 eukaryotic translation initiation factor 4A2, isoform CRA_c
NP_999883.1 eukaryotic translation initiation factor 4B
ADO28138.1 eukaryotic translation initiation factor 4e
NP_001013556.1 eukaryotic translation initiation factor 4E transporter
NP_001014815.2 eukaryotic translation initiation factor 4E type 2
ADO27987.1 eukaryotic translation initiation factor 4e type 3
NP_001133833.1 Eukaryotic translation initiation factor 4E-1A
NP_001134912.1 Eukaryotic translation initiation factor 4E-1A-binding protein
NP_571529.1 eukaryotic translation initiation factor 4E-1B
NP_955939.1 eukaryotic translation initiation factor 4E-binding protein 1
NP_997968.1 eukaryotic translation initiation factor 4E-binding protein 2
NP_001188169.1 eukaryotic translation initiation factor 4e-binding protein 3-like
ACO10072.1 Eukaryotic translation initiation factor 4H
NP_955885.1 eukaryotic translation initiation factor 5
ACG80389.1 eukaryotic translation initiation factor 5A
ACH53030.1 eukaryotic translation initiation factor 6 (predicted)
AEH58443.1 eukaryotic translation initiation factor subunit E-like protein
CAM73195.1 eval
AAI51894.1 Eve1 protein
AAI29289.1 Evi5 protein
AAI55189.1 Evlb protein
NP_001229867.1 evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial
AAH78301.1 Evx1 protein, partial
CAA67674.1 Evx-2

NP_001104627.1 Ewing tumor-associated antigen 1
 AAH56281.1 Ewsr1a protein
 AAI51884.1 Excision repair cross-complementing rodent repair deficiency, complementation group 1
 AAI54373.1 Excision repair cross-complementing rodent repair deficiency, complementation group 8
 NP_956273.1 excitatory amino acid transporter 2
 NP_001002666.2 excitatory amino acid transporter 3
 NP_001124094.1 excitatory amino acid transporter 5
 AEI69348.1 excitatory amino acid transporter 5a long variant
 ADH21447.1 excitatory amino acid transporter SLC1A6
 NP_955891.1 exocyst complex component 1
 NP_079864.1 exocyst complex component 2
 NP_997880.1 exocyst complex component 3
 NP_001092892.1 exocyst complex component 3-like protein
 NP_001138266.1 exocyst complex component 3-like protein 4
 NP_001025305.1 exocyst complex component 4
 NP_001107268.1 exocyst complex component 5
 NP_998465.1 exocyst complex component 6
 NP_001070198.2 exocyst complex component 6B
 NP_998579.1 exocyst complex component 7
 NP_001103945.1 exocyst complex component 8
 NP_998634.1 exonuclease 1
 NP_001107878.1 exonuclease 3'-5' domain-containing protein 2
 NP_001032490.1 exonuclease V
 NP_001018322.1 exosome complex component MTR3
 NP_001187370.1 exosome complex exonuclease rrp4
 NP_001025132.1 exosome complex exonuclease RRP40
 NP_957033.1 exosome complex exonuclease RRP41
 NP_001188120.1 exosome complex exonuclease rrp42
 NP_001187695.1 exosome complex exonuclease rrp43
 NP_001006077.1 exosome complex exonuclease RRP45
 NP_001038817.2 exosome complex exonuclease RRP46
 NP_957383.2 exosome component 10
 EDL29255.1 exostoses (multiple) 1, isoform CRA_b
 AAI55813.1 Exostoses (multiple) 1c
 NP_001161530.1 exostosin 1-like protein
 NP_001012368.2 exostosin-1a
 NP_001035420.1 exostosin-1c
 NP_001008400.1 exostosin-2
 NP_001008402.1 exostosin-like 3
 AAH44132.1 Exportin 6
 EGW13187.1 Exportin-1
 NP_958858.1 exportin-2
 NP_997839.1 exportin-4
 NP_919355.1 exportin-6
 EGV91955.1 Exportin-7
 NP_001038317.1 exportin-T
 EDL01780.1 expressed sequence AI450540, isoform CRA_a
 NP_001116705.1 extended synaptotagmin-3
 NP_001124118.1 extracellular matrix protein 2-like precursor
 NP_001124312.1 extracellular matrix protein FRAS1
 CBN81925.1 Extracellular sulfatase Sulf-1
 NP_001003846.1 extracellular sulfatase Sulf-1 precursor
 NP_001003833.2 extracellular sulfatase Sulf-2 precursor
 NP_571287.1 extra-ocular rhodopsin
 CAB65317.1 eyes absent 1 protein
 CBN81915.1 Eyes absent homolog 1
 NP_001004558.1 eyes absent homolog 2
 NP_001073521.1 eyes absent homolog 3
 ELK02370.1 Eyes absent like protein 1
 AAH95094.1 Ezh2 protein
 NP_001135224.1 Ezrin-radixin-moesin-binding phosphoprotein 50
 BAM36434.1 EZR-ROS1 fusion protein
 AAH56804.1 F10 protein
 NP_001004667.1 F11 receptor precursor
 AAI54034.1 F3a protein
 AAI08019.1 F5 protein
 AAH94987.1 F9 protein
 AEF56581.1 facilitative glucose transporter variant 1
 NP_001091053.1 FACT complex subunit SPT16
 ACN11297.1 FACT complex subunit SSRP1
 ACQ58119.1 F-actin-capping protein subunit alpha-1
 ACN58682.1 F-actin-capping protein subunit alpha-2
 ACQ58175.1 F-actin-capping protein subunit beta
 NP_944601.2 factor in the germline alpha
 NP_001187142.1 factor inhibiting HIF-1
 NP_001006078.1 factor VIII intron 22 protein
 NP_001003997.1 FAD synthase
 NP_001107050.1 FAD-dependent oxidoreductase domain-containing protein 1
 NP_001082855.1 FAD-linked sulphydryl oxidase ALR

AEY98398.1	FAFR711Cp
NP_001134258.1	FAM100A
NP_001187899.1	fam107a
ACQ57916.1	FAM107B
NP_001167331.1	FAM114A2
ACN60247.1	FAM134A
AAI55330.1	Fam134c protein
ACN60260.1	FAM139A
NP_001188068.1	fam151b
NP_001187342.1	fam173b
NP_001187587.1	fam183a
NP_001188001.1	fam18b
NP_001187789.1	fam195a
ACO08962.1	FAM32A-like
ACO10151.1	FAM44B
ADO27964.1	fam49a
ADO28163.1	fam49b
ACM08672.1	FAM60A
NP_001134170.1	FAM82B
AAI53523.1	Fam98b protein
NP_001159487.1	family with sequence similarity 105, member B
NP_001082947.1	family with sequence similarity 114, member A1
NP_956082.1	family with sequence similarity 212, member Ab
AAH66710.1	Family with sequence similarity 3, member C
NP_942120.2	family with sequence similarity 60, member A
AAI63545.1	Family with sequence similarity 65, member A
AAI52512.1	Family with sequence similarity 82, member A2
AAI25958.1	Fancc protein
AAI63598.1	Fancd2 protein
AAI54583.1	Fance protein
AAH92672.1	Fancg protein
AAH55509.1	Fancl protein
NP_001038699.2	Fanconi anemia group F protein
NP_001035725.1	Fanconi anemia, complementation group A
NP_001035726.1	Fanconi anemia, complementation group B
NP_001035727.1	Fanconi anemia, complementation group C
NP_958498.1	Fanconi anemia, complementation group D2
AAI62341.1	Fanconi anemia, complementation group E
NP_001070780.2	Fanconi anemia, complementation group I
NP_001107132.1	Fanconi anemia, complementation group M
NP_001082992.1	Fanconi anemia-associated protein of 24 kDa
NP_001038546.2	fanconi-associated nuclease 1
NP_998309.1	far upstream element-binding protein 1
NP_001082897.1	far upstream element-binding protein 2
NP_001007777.1	far upstream element-binding protein 3
NP_001020642.1	farnesyl pyrophosphate synthase
NP_001133850.1	Farnesyl pyrophosphate synthetase
NP_001074029.1	farnesyltransferase, CAAX box, alpha
AAH04009.1	Farp1 protein
NP_001002583.1	fas apoptotic inhibitory molecule 1
NP_001187122.1	Fas receptor precursor
NP_001164290.1	Fas-activated serine/threonine kinase
NP_001187226.1	Fas-associated death domain
NP_998138.1	FAS-associated factor 1
ELK30979.1	FAS-associated factor 1, partial
NP_998561.1	fasciculation and elongation protein zeta-1
NP_001070028.1	fascin
NP_001116988.1	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus) a
NP_957064.2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus) b
NP_001158785.1	FAST kinase domain-containing protein 1
NP_001133115.1	fast myotomal muscle actin 2
AEF15873.1	fast skeletal muscle myosin heavy chain
ABY71044.1	fast skeletal myosin 30C-type S1
ABY71043.1	fast skeletal myosin intermediate-type S1
BAA12733.1	fast skeletal myosin light chain 3
AAD42799.1	fast troponin T isoform
NP_001013343.1	fat storage-inducing transmembrane protein 1
NP_001018334.1	fat storage-inducing transmembrane protein 2
ACL31571.1	fatty acid-binding protein H6
ADO28265.1	fatty acid-binding protein intestinal
NP_001187954.1	fatty acid-binding protein liver-type
ACO09397.1	Fatty acid-binding protein, brain
ACI66303.1	Fatty acid-binding protein, heart
NP_998673.1	fatty acyl CoA reductase 1
ACN60325.1	Fatty acyl-CoA hydrolase precursor, medium chain
NP_001076558.1	fatty acyl-CoA reductase 1
NP_997814.1	fatty aldehyde dehydrogenase
NP_001002700.1	fatty-acid amide hydrolase 2-A
AAI62604.1	Fbln1 protein

AAH90474.1	Fbln2 protein
AAH03905.1	Fbn1 protein, partial
NP_958890.1	F-box and leucine-rich repeat protein 14a
NP_001015043.1	F-box and leucine-rich repeat protein 14b
NP_001121244.1	F-box and leucine-rich repeat protein 17
NP_958467.1	F-box and WD-40 domain protein 11a
NP_998669.2	F-box and WD-40 domain protein 11b
NP_001128729.1	F-box only protein 10
CBN81894.1	F-box only protein 15
ADO27914.1	f-box only protein 16
NP_001038614.1	F-box only protein 18
NP_001025277.1	F-box only protein 22
NP_991287.1	F-box only protein 25
NP_001018538.1	F-box only protein 3
ADO27868.1	f-box only protein 32
NP_001034107.1	F-box only protein 39
NP_001134024.1	F-box only protein 42
NP_956725.1	F-box only protein 43
NP_001076300.1	F-box only protein 46
ELK01583.1	F-box only protein 47
NP_001020670.1	F-box only protein 7
NP_001035397.1	F-box only protein 8
NP_001121873.1	F-box protein 16
NP_956726.1	F-box protein 30b
AFJ50085.1	F-box protein 38
AAI21729.1	F-box protein 5
AAH45996.1	F-box protein 9
NP_998107.1	F-box/LRR-repeat protein 15
NP_001025416.1	F-box/LRR-repeat protein 18
NP_956400.1	F-box/LRR-repeat protein 2
NP_001013297.1	F-box/LRR-repeat protein 22
NP_001005773.2	F-box/LRR-repeat protein 3
NP_001073511.1	F-box/LRR-repeat protein 7
NP_001032499.2	F-box/LRR-repeat protein 8
NP_956889.1	F-box/SPRY domain-containing protein 1
NP_001018175.1	F-box/WD repeat-containing protein 2
NP_571596.1	F-box/WD repeat-containing protein 4
NP_998484.1	F-box/WD repeat-containing protein 5
NP_001108050.1	F-box/WD repeat-containing protein 8
NP_001018419.1	F-box-like/WD repeat-containing protein TBL1XR1
NP_001188265.1	Fbxl16 protein-like
EHB12372.1	Fc receptor-like protein 2, partial
BAD91399.1	fc11b09
NP_001018617.1	FCH domain only protein 2
NP_001187098.1	FcR gamma subunit precursor
NP_001187150.1	FcRI precursor
AAH83515.1	Fdps protein, partial
NP_001020693.1	feline leukemia virus subgroup C receptor-related protein 1
NP_001186798.1	feline sarcoma oncogene
NP_001182713.2	feh15 selenoprotein precursor
ELW70544.1	FERM and PDZ domain-containing protein 3
NP_001122007.1	FERM domain-containing protein 4A
EHB16756.1	FERM domain-containing protein 4A, partial
CBN80978.1	FERM domain-containing protein 4B
NP_001018652.1	FERM domain-containing protein 6
NP_001104657.1	FERM domain-containing protein 6-like
ELK14932.1	FERM, RhoGEF and pleckstrin domain-containing protein 1
ELK14413.1	FERM, RhoGEF and pleckstrin domain-containing protein 2
NP_001032469.1	fermitin family homolog 1
NP_001243144.1	fermitin family homolog 2
NP_957198.1	fermitin family homolog 3
NP_001094419.1	ferredoxin 1b
NP_001093489.1	ferredoxin-fold anticodon binding domain containing 1
NP_001167281.1	ferric-chelate reductase 1 precursor
NP_001187267.1	ferritin heavy chain subunit
NP_001232867.1	ferritin heavy subunit
CAR66078.1	ferritin high chain
NP_001187268.1	ferritin middle subunit
ACQ57862.1	Ferritin, middle subunit
AAH92711.1	Ferrochelatase
AAO74861.1	fetuin short form
ABA33614.1	fetuin-B
NP_001107820.1	fez family zinc finger protein 1
AAL91001.1	Fez-like zinc finger protein
AAI62946.1	Fgf11 protein
BAD72886.2	FGF12
AAI62870.1	Fgf19 protein
NP_001118008.1	FGF2
AAV90630.1	FGF6

NP_001002125.1	FGFR1 oncogene partner
AAI62342.1	Fgfr1 protein
AAI62517.1	Fgfr3 protein
AAH95604.1	Fgfr4 protein
CAM60089.1	fgfr1b
NP_998446.2	FGGY carbohydrate kinase domain-containing protein
ELK05653.1	FH1/FH2 domain-containing protein 3
AEX15487.1	FHL2 isoform c variant 1
ABC47147.1	fibrillin 1
EAW68947.1	fibrillin 3, isoform CRA_b
ACI29314.1	fibrillin 4
AFE71298.1	fibrillin-1 precursor, partial
NP_001129262.1	fibrillin-2 precursor
EHA97214.1	Fibrillin-2, partial
AAH75895.1	Fibrinogen alpha chain
EHB00220.1	Fibrinogen C domain-containing protein 1, partial
ADG23141.1	fibrinogen gamma
NP_998219.1	fibrinogen gamma polypeptide precursor
ACO09794.1	Fibrinogen-like protein 1 precursor
NP_956703.1	fibroblast growth factor (acidic) intracellular binding protein a
NP_998026.1	fibroblast growth factor (acidic) intracellular binding protein b
NP_001098748.1	fibroblast growth factor 1 (acidic)
NP_001187630.1	fibroblast growth factor 1
NP_878290.1	fibroblast growth factor 10 precursor
AAH94986.1	Fibroblast growth factor 10a
NP_001012380.1	fibroblast growth factor 11a
NP_001071250.1	fibroblast growth factor 12
NP_001072569.1	fibroblast growth factor 13
NP_001007400.1	fibroblast growth factor 13a
NP_991265.1	fibroblast growth factor 13b
ELK14914.1	Fibroblast growth factor 14
NP_001035497.1	fibroblast growth factor 16
NP_999973.1	fibroblast growth factor 17 precursor
NP_001013282.1	fibroblast growth factor 18a precursor
NP_001012379.1	fibroblast growth factor 18b precursor
CBN81340.1	Fibroblast growth factor 19
NP_001034261.1	fibroblast growth factor 20b
NP_001035184.1	fibroblast growth factor 22 precursor
NP_001009564.2	fibroblast growth factor 23 precursor
ACA51313.1	fibroblast growth factor 24
NP_571710.1	fibroblast growth factor 4 precursor
NP_001009561.1	fibroblast growth factor 5 precursor
AAO15997.1	fibroblast growth factor 6
NP_001001398.2	fibroblast growth factor 6a
NP_001009563.1	fibroblast growth factor 6b
ABG89860.1	fibroblast growth factor 8
NP_878276.1	fibroblast growth factor 8b precursor
BAF49180.1	Fibroblast growth factor receptor 1 IIIc VT- isoform
AAO45659.1	fibroblast growth factor receptor 1 isoform 3
ACJ66723.1	fibroblast growth factor receptor 1a1
ACJ66724.1	fibroblast growth factor receptor 1a2
NP_001155204.1	fibroblast growth factor receptor 1b precursor
NP_001229934.1	fibroblast growth factor receptor 2 isoform 2 precursor
NP_571681.1	fibroblast growth factor receptor 3 precursor
AAI71704.1	Fibroblast growth factor receptor 4
NP_001002658.1	fibroblast growth factor receptor substrate 2b
NP_001012263.2	fibroblast growth factor receptor-like 1b precursor
NP_001135347.1	Fibroblast growth factor-binding protein 1 precursor
NP_001082995.1	fibroblast growth factor-binding protein 2-like
NP_001123871.1	fibrocystin-L isoform 1 precursor
NP_001159795.1	fibrocystin-L isoform 2 precursor
NP_001020710.1	fibroleukin precursor
NP_001025243.1	fibromodulin-like precursor
BAF42760.1	fibronectin
AAC31941.1	fibronectin 1a isoform 2
AAU14809.1	fibronectin 1b
NP_001038582.1	fibronectin type III and SPRY domain-containing protein 1
ELK08980.1	Fibronectin type III domain containing 3c
NP_001037802.1	fibronectin type III domain-containing protein 5 precursor
NP_001012844.1	fibronectin type-III domain-containing protein 3a
NP_001188453.1	fibronectin-1 precursor
NP_001017876.1	fibrous sheath-interacting protein 1
ACN11181.1	Fibulin-1
NP_001133794.1	fibulin-1 precursor
NP_001005979.1	fibulin-5 precursor
NP_001018411.1	fidgetin
NP_001122223.1	fidgetin-like protein 1
NP_001092114.1	flg-Hepta protein
NP_001103956.1	filamin A-interacting protein 1-like

BAL41503.1	filamin c isoform b
ELK23905.1	Filamin-A-interacting protein 1
NP_001133388.1	Filamin-binding LIM protein 1
CAQ14318.1	finTRIM family protein
NP_001038735.2	finTRIM family, member 14
NP_001034808.2	finTRIM family, member 67
NP_001068571.1	finTRIM family, member 82
CAP08941.1	fish virus induced TRIM protein
NP_956547.1	fizzy-related protein homolog
NP_001129670.1	fizzy-related protein homolog isoform 1
NP_956239.1	FK506 binding protein 1A, 12kDa
AAH71516.1	FK506 binding protein 4
ACN11396.1	FK506-binding protein 10 precursor
ACO09944.1	FK506-binding protein 11 precursor
AAH45938.1	Fkbp10 protein, partial
AAH84619.1	FKBP1B protein
AAZ27814.1	flamingo 1a, partial
NP_001187811.1	flap endonuclease 1-b
AAQ94601.1	flavin containing monooxygenase 1
NP_001038299.2	flavin monooxygenase
ACO07743.1	Flavin reductase
ABV08791.1	Fleer
AAH55627.1	Fli1b protein, partial
BAC85141.1	FLJ00304 protein
AAT68088.1	FLJ11294-like
NP_571130.1	floating head
CAP08041.1	flop protein
NP_570988.1	flotillin 1a
NP_958864.1	flotillin 1b
NP_956933.1	flotillin 2
NP_998240.2	flotillin-2a
ACO10053.1	fMet-Leu-Phe receptor
AAI53911.1	Fmo5 protein
AAH54657.1	Fmr1 protein
AAX82094.1	FMS related tyrosine kinase 1
NP_001165514.1	FMS-like tyrosine kinase 4
AAI62574.1	Fn1 protein
AAI65324.1	Fn3krp protein
NP_571871.1	focal adhesion kinase 1
NP_001092242.1	folate receptor alpha precursor
CAB51907.2	follicle-stimulating hormone receptor
NP_001187020.1	follicle-stimulating hormone receptor precursor
NP_001035463.1	folliculin
NP_001120937.1	folliculin-interacting protein 1
NP_001139090.1	folliculin-interacting protein 2
AAS88751.1	folliculin
ABC24690.1	folliculin like protein-1, partial
NP_001017860.1	folliculin-like 1a precursor
EGV92661.1	Folliculin-related protein 1
NP_001134013.1	Folliculin-related protein 1 precursor
ELW52814.1	Folliculin-related protein 5
NP_001027012.1	folliculin-related protein 5 precursor
NP_998602.1	folylpolyglutamate synthase, mitochondrial
ELW62064.1	Foot protein 1 variant 1
AAI62391.1	Forkhead box A3
NP_571804.1	forkhead box C1-B
NP_571346.2	forkhead box D1
NP_571345.1	forkhead box D5
AAH92710.1	Forkhead box G1
NP_998079.2	forkhead box G1b
NP_859424.1	forkhead box i1
NP_944599.2	forkhead box I3a
AAI62636.1	Forkhead box I3b
ACF15248.1	forkhead box J1
NP_001008648.1	forkhead box J1b
NP_001182055.1	forkhead box L1-like
BAJ19137.1	forkhead box L2
NP_001153935.1	forkhead box M1
AEQ67482.1	forkhead box O3
NP_001009988.1	forkhead box O3A
AEQ67481.1	forkhead box P2
AEV45614.1	forkhead box P3
BAM36069.1	forkhead box P3a, partial
ELK38545.1	Forkhead box protein C1
NP_998078.1	forkhead box protein D1
NP_571365.1	forkhead box protein D3
NP_001073150.2	forkhead box protein E3
NP_001077284.1	forkhead box protein F2
NP_571577.1	forkhead box protein H1

NP_944598.2 forkhead box protein I3
 EKC29093.1 Forkhead box protein J3
 NP_956196.1 forkhead box protein K1
 NP_957391.1 forkhead box protein M1
 NP_997738.1 forkhead box protein N1
 NP_001017555.1 forkhead box protein N2
 NP_001038728.1 forkhead box protein N3
 NP_571174.1 forkhead box protein N4
 NP_001070725.2 forkhead box protein O1-A
 NP_001076326.1 forkhead box protein O1-B
 NP_571160.1 forkhead box protein O3
 CBN80974.1 Forkhead box protein P1-B
 NP_001025253.1 forkhead box protein P2
 NP_001186420.1 forkhead box protein P4
 NP_001096594.1 forkhead box protein R1
 NP_998072.1 forkhead box Q1b
 BAD89148.1 forkhead transcription factor
 ABK76309.1 forkhead transcription factor L2
 NP_957371.2 formimidoyltransferase-cyclodeaminase
 EAW87916.1 formin binding protein 1, isoform CRA_a
 EHB08481.1 Formin-1, partial
 NP_001116716.1 formin-binding protein 1
 NP_001003634.1 formin-binding protein 1-like
 EAX11486.1 formin-like 2, isoform CRA_b
 EGW13987.1 Formin-like protein 2
 NP_001155024.1 fos-related antigen 1
 NP_001076467.1 fos-related antigen 2
 ABC75559.1 four and a half LIM domain protein
 ACO13605.1 Four and a half LIM domains protein 1
 NP_001187902.1 four and a half LIM domains protein 3
 AAH56569.1 Foxa1 protein
 AAH68417.1 Foxk2 protein, partial
 NP_001139056.1 fragile site-associated protein
 NP_694495.1 fragile X mental retardation 1
 NP_956505.2 fragile X mental retardation syndrome-related protein 2
 AAH45999.1 Fragile X mental retardation, autosomal homolog 2
 NP_001131131.1 Fras1 related extracellular matrix 3 precursor
 EDL35247.1 Fras1 related extracellular matrix protein 2
 NP_001131129.1 Fras1 related extracellular matrix protein 2a precursor
 NP_001131133.1 Fras1 related extracellular matrix protein 2b precursor
 ADI46638.1 Fras1-like extracellular matrix protein 2a
 NP_001177237.1 FRAS1-related extracellular matrix protein 1 precursor
 ADI46635.1 Fraser syndrome protein 1
 NP_001131130.1 Fras-related extracellular matrix protein 1b precursor
 NP_001187983.1 FRG1 protein
 NP_571423.1 Friend leukemia integration 1 transcription factor
 CAD10102.1 frizzled homolog 10
 NP_001074070.1 frizzled homolog 3b precursor
 AAH68322.2 Frizzled homolog 7a
 NP_739569.1 frizzled homolog 7b
 NP_570993.2 frizzled homolog 8a precursor
 CAQ14916.1 frizzled homolog 9
 NP_571215.1 frizzled-2 precursor
 NP_001036226.1 frizzled-3 precursor
 NP_571209.2 frizzled-5 precursor
 ELK32851.1 Frizzled-6
 NP_571018.1 frizzled-related protein precursor
 BAF36010.1 frRunx3/p28
 NP_956236.1 fructose-1,6-bisphosphatase 1a
 NP_001004008.1 fructose-1,6-bisphosphatase isozyme 2
 ADO27974.1 fructose-bisphosphate aldolase A
 BAD17903.1 fructose-bisphosphate aldolase B
 NP_001187524.1 fructose-bisphosphate aldolase C
 NP_001025123.1 fructose-bisphosphate aldolase C-A
 AAG41424.1 fry
 AAH80223.1 Fst11b protein
 AAI62613.1 Fstl5 protein
 NP_001124329.1 FTS and Hook-interacting protein homolog
 NP_998598.1 ftsJ methyltransferase domain-containing protein 1
 NP_001117708.1 FTZ-F1 related protein
 NP_001003559.1 fucosidase, alpha-L-1, tissue precursor
 NP_001117872.1 fucosyltransferase 9
 NP_001036159.2 fukutin
 NP_001036154.1 fukutin-related protein isoform 2
 NP_957257.1 fumarate hydratase, mitochondrial precursor
 ACO09168.1 Fumarylacetoacetase
 NP_998083.1 fumarylacetoacetate hydrolase domain containing 2A
 ACI69154.1 FUN14 domain-containing protein 1
 NP_001005954.1 FUN14 domain-containing protein 2

NP_001038571.1 furin A precursor
 NP_001038574.2 furin B precursor
 ABF18689.1 furinB preproprotein
 AAG49004.1 fushi tarazu factor 1-A
 AAG49005.1 fushi-tarazu factor 1-B
 BAH57337.1 fusion protein KIF5B-ALK
 BAL14828.1 fusion protein PPFIBP1-ALK
 AAH68402.1 Fxr1 protein
 NP_001188355.1 FXFD domain containing ion transport regulator 7-like isoform 2
 NP_956141.1 FXFD domain-containing ion transport regulator 6 precursor
 NP_001133511.1 FYN-binding protein
 NP_001039304.2 FYVE and coiled-coil domain-containing protein 1
 ACN58641.1 FYVE finger-containing phosphoinositide kinase
 NP_001171404.1 FYVE, RhoGEF and PH domain-containing protein 4
 NP_001093450.1 FYVE, RhoGEF and PH domain-containing protein 6
 AAI69915.1 Fz3 protein
 NP_998237.1 G kinase-anchoring protein 1
 NP_001072407.1 G patch domain and ankyrin repeats 1
 NP_001007208.1 G patch domain and KOW motifs-containing protein
 NP_001002393.1 G patch domain-containing protein 11
 ACA79940.1 G protein alpha i1
 ABA03121.1 G protein beta 5 subunit
 NP_957267.1 G protein pathway suppressor 2
 AAP72121.1 G protein-coupled receptor 136
 NP_001002691.1 G protein-coupled receptor 137bb
 NP_001121524.1 G protein-coupled receptor 153
 NP_001007200.2 G protein-coupled receptor 161
 NP_998311.2 G protein-coupled receptor 177
 NP_001107906.1 G protein-coupled receptor 27
 NP_001007218.1 G protein-coupled receptor 34 like
 CBV36798.1 G protein-coupled receptor 54
 NP_001035080.1 G protein-coupled receptor 55a
 NP_001018317.1 G protein-coupled receptor 56 precursor
 BAE66636.1 G protein-coupled receptor kinase 1
 AAH93257.1 G protein-coupled receptor kinase 1 b
 BAE66638.1 G protein-coupled receptor kinase 1B
 BAB32498.1 G protein-coupled receptor kinase 7
 NP_001073657.1 G protein-coupled receptor kinase interacting ArfGAP 2
 NP_001018587.1 G/T mismatch-specific thymine DNA glycosylase
 NP_942101.1 G1 to S phase transition 1, like
 NP_571100.1 G1/S-specific cyclin-D1
 NP_989544.1 G1/S-specific cyclin-D2
 NP_571070.1 G1/S-specific cyclin-E1
 NP_001002075.1 G1/S-specific cyclin-E2
 NP_001018461.1 G2 and S phase-expressed protein 1
 NP_001003822.1 G2/M phase-specific E3 ubiquitin-protein ligase
 NP_001070187.1 G2/mitotic-specific cyclin-B3
 NP_001182171.1 g6F-like
 AAH45459.1 GA repeat binding protein, beta 2
 XP_001358092.2 GA16242
 XP_002133577.1 GA22973
 NP_571662.1 GA-binding protein alpha chain
 NP_001070918.1 GA-binding protein subunit beta-1
 AAH44341.1 Gabpa protein
 AAI15079.1 Gabrb2 protein
 AAC33525.1 gag polyprotein
 ABN58713.1 gag-like protein
 AAP37287.1 gag-pol polyprotein
 AAA93092.1 gag-pol precursor polyprotein gPr80
 ABO25842.1 gag-pro-pol polyprotein
 CBN80957.1 Gag-protease
 ELV12480.1 Galactocerebrosidase
 NP_001005921.1 galactocerebrosidase precursor
 NP_001006002.1 galactokinase
 NP_001005803.1 galactokinase 2
 NP_001133988.1 Galactonate dehydratase
 NP_001074081.1 galactose-1-phosphate uridylyltransferase
 NP_001119924.1 galactosylceramide sulfotransferase
 NP_001003454.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2
 NP_001015059.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3
 NP_001017658.1 galectin 3 binding protein precursor
 NP_001035130.1 galectin-3-binding protein A precursor
 NP_001135263.1 Galectin-3-binding protein precursor
 ADO27992.1 galectin-4
 ABE98245.2 galectin-4-like
 AFJ79965.1 galectin-8
 NP_001187343.1 galectin-9
 ADO27855.1 galectin-9c
 NP_001038765.1 galectin-related protein

NP_001073430.1 gametogenetin-binding protein 2
 AEM37758.1 gamma M2b crystalline
 NP_001119899.1 gamma-2-syntrophin
 NP_955957.1 gamma-adducin
 AFJ49342.1 Gamma-adducin-like
 NP_957025.1 gamma-aminobutyric acid (GABA) A receptor, alpha 6a precursor
 NP_001108214.1 gamma-aminobutyric acid (GABA) A receptor, pi precursor
 CAP09588.1 gamma-aminobutyric acid (GABA) B receptor, 1
 NP_001019558.2 gamma-aminobutyric acid A receptor, beta 2 precursor
 EDM04952.1 gamma-aminobutyric acid receptor associated protein, isoform CRA_b
 NP_001070794.1 gamma-aminobutyric acid receptor subunit alpha-1 precursor
 ELK33625.1 Gamma-aminobutyric acid receptor subunit alpha-2
 NP_001017822.1 gamma-aminobutyric acid receptor subunit alpha-4
 NP_001243179.1 gamma-aminobutyric acid receptor subunit gamma-2
 EGV93815.1 Gamma-aminobutyric acid receptor subunit rho-1
 NP_001020724.1 gamma-aminobutyric acid receptor subunit rho-1 precursor
 NP_001122232.1 gamma-aminobutyric acid receptor subunit rho-3 precursor
 NP_001002707.1 gamma-aminobutyric acid receptor-associated protein-like
 NP_001137515.1 gamma-aminobutyric acid type B receptor subunit 2 precursor
 AAD17894.1 gamma-aminobutyric-acid receptor rho-1A subunit precursor
 AAB66600.1 gamma-aminobutyric-acid receptor rho-2B subunit
 AAD17896.1 gamma-aminobutyric-acid receptor rho-3 subunit precursor
 NP_001017717.1 gamma-butyrobetaine dioxygenase
 NP_001187539.1 gamma-crystallin m2
 NP_001007785.1 gamma-crystallin N-A
 NP_001187942.1 gamma-crystallin n-b
 NP_001003848.1 gamma-enolase
 NP_998487.1 gamma-glutamyl hydrolase precursor
 NP_001239164.1 gamma-glutamyl transferase 1a
 NP_001239167.1 gamma-glutamyl transferase-like 3a
 NP_001187462.1 gamma-glutamylcyclotransferase precursor
 NP_001116770.1 gamma-glutamyltransferase 5
 NP_956709.1 gamma-glutamyltranspeptidase 1
 AAR24072.1 gamma-hydroxybutyrate receptor
 NP_001083007.1 gamma-parvin
 NP_001025300.1 gamma-secretase subunit APH-1A
 ACO09877.1 Gamma-soluble NSF attachment protein
 NP_001037776.1 gamma-taxilin
 NP_956416.1 gamma-tubulin complex component 2
 NP_001004513.1 gamma-tubulin complex component 3
 NP_001128602.1 gamma-tubulin complex component 4
 NP_001018151.1 gamma-tubulin complex component 5
 ACN11254.1 Ganglioside GM2 activator precursor
 CAF04061.1 ganglioside GM3 synthase
 NP_001018511.1 ganglioside-induced differentiation-associated protein 1
 NP_001004563.1 ganglioside-induced differentiation-associated protein 2
 ELW48219.1 Gap junction alpha-9 protein
 NP_001017685.1 gap junction beta-3 protein
 ACO09227.1 Gap junction beta-4 protein
 NP_001140110.1 Gap junction beta-5 protein
 NP_001187780.1 gap junction cx32.2 protein
 AAH76458.1 Gap43 protein
 AEM60428.1 GAPDH-1
 CAD67775.1 GART protein
 NP_001187961.1 gastrotropin
 BAF98873.1 GATA binding protein 3
 NP_001188202.1 gata zinc finger domain-containing protein 1
 YP_007204087.1 GATA Zn-finger-containing transcription factor
 AAH93138.1 Gata5 protein, partial
 AA124484.1 GATA-binding protein 1
 NP_571308.1 GATA-binding protein 2a
 NP_001002689.1 GATA-binding protein 2b
 NP_956074.2 GATS-like protein 1
 NP_001018651.1 GATS-like protein 3
 AAH67644.1 Gcat protein
 EAW60801.1 GCN5 general control of amino-acid synthesis 5-like 2 (yeast), isoform CRA_a
 NP_001073652.2 GC-rich sequence DNA-binding factor homolog
 CAA54810.1 g-crystallin
 AAH43955.1 Gdi2-prov protein
 NP_571806.1 gdnf family receptor alpha 1b precursor
 NP_001243565.1 GDNF family receptor alpha 3 precursor
 NP_001116530.1 GDNF family receptor alpha 4 precursor
 ADJ94947.2 GDNF family receptor alpha-1a
 ELW52768.1 GDNF family receptor alpha-2
 ELK34771.1 GDNF family receptor alpha-like protein
 ADF97610.1 GDP dissociation inhibitor 2
 NP_001071021.1 GDP-D-glucose phosphorylase 1
 CAE18459.1 GDP-fucose protein O-fucosyltransferase 1
 NP_991281.2 GDP-fucose protein O-fucosyltransferase 1 precursor

ELR61558.1 GDP-L-fucose synthase, partial
 NP_001134811.1 GDP-L-fucose synthetase
 BAF73663.1 GDP-mannose 4,6 dehydratase
 NP_001095945.1 GDP-mannose 4,6 dehydratase isoform 1
 XP_002088215.1 GE13692
 AAH91905.1 Gefitin
 AAO63152.1 gelsolin
 NP_001082813.1 gelsolin b
 ACN60223.1 Gelsolin precursor
 NP_001134796.1 Gem-associated protein 6
 NP_001134126.1 Gem-associated protein 7
 NP_956380.1 geminin
 CAK05004.1 geminin, DNA replication inhibitor
 XP_001892676.1 gene 11-1 protein precursor
 NP_001035013.1 general receptor for phosphoinositides 1-associated scaffold protein
 ELK10900.1 General transcription factor 3C polypeptide 1
 NP_001243171.1 general transcription factor 3C polypeptide 3
 AAH71528.1 General transcription factor IIA, 1
 NP_001038610.1 general transcription factor IIE subunit 1
 ADO27822.1 general transcription factor IIE subunit 2
 NP_997896.1 general transcription factor IIE, polypeptide 2, beta
 NP_001135173.1 general transcription factor IIE, polypeptide 2-2
 NP_956023.1 general transcription factor IIF subunit 1
 NP_001187504.1 general transcription factor IIf subunit 2
 NP_001004596.1 general transcription factor IIH subunit 1
 NP_963875.1 general transcription factor IIH subunit 2
 NP_956221.1 general transcription factor IIH subunit 4
 AFJ51649.1 General transcription factor II-I repeat domain-containing protein 2-like
 EAW55745.1 general transcription factor IIIC, polypeptide 1, alpha 220kDa, isoform CRA_b
 NP_956449.1 general vesicular transport factor p115
 EGW02217.1 Gephyrin
 BAI68423.1 gephyrin1 isoform
 BAI68425.1 gephyrin2
 NP_956329.1 geranylgeranyl pyrophosphate synthase
 NP_001070131.1 geranylgeranyl transferase type-2 subunit alpha
 NP_998277.2 geranylgeranyl transferase type-2 subunit beta
 AAH47197.1 Germ cell-less homolog 1 (Drosophila)
 NP_996933.1 germ cell-less protein-like 1
 NP_001035065.1 germ cell-specific gene 1-like protein precursor
 XP_001957176.1 GF10291
 XP_001960596.1 GF13438
 XP_001960813.1 GF13555
 AAI54128.1 Ggnbp2 protein
 XP_001985466.1 GH14485
 NP_001082827.1 GH3 domain-containing protein
 NP_001116416.1 ghrelin O-acyltransferase
 ACX37418.1 GHRH
 XP_002012399.1 GI11945
 XP_002009590.1 GI15442
 XP_002001606.1 GI16002
 XP_002010589.1 GI16010
 XP_002004101.1 GI18266
 ADZ76342.1 Gig2-like protein CauD
 ADZ76344.1 Gig2-like protein CauO
 BAC53976.1 gill urea transporter
 NP_001117960.1 gill-specific calpain
 AAH76450.1 GIMAP7 protein, partial
 NP_001003546.2 GINS complex subunit 4
 AAI46706.1 Gip protein
 XP_002070426.1 GK12051
 XP_002073062.1 GK13934
 AAH95240.1 Gkap1 protein
 XP_002025396.1 GL11895
 XP_002019473.1 GL12416
 XP_002014248.1 GL19097
 NP_001187736.1 glia maturation factor beta
 ADO28087.1 glia maturation factor gamma
 AAI50164.1 Glial cell derived neurotrophic factor
 NP_001017996.1 glial cell line derived neurotrophic factor family receptor alpha 2
 AAN39562.1 glial fibrillary acidic protein GFAP
 AAI63542.1 GLI-Kruppel family member GLI2a
 AAI62463.1 GLI-Kruppel family member GLI2b
 NP_001073415.1 glioma tumor suppressor candidate region gene 2 protein
 NP_956869.1 GLIPR1-like protein 1 precursor
 NP_001157276.1 GLIS family zinc finger 1-like
 BAH85839.1 glis2
 CAG25723.1 globin X
 ADO28093.1 globoside alpha-13-n-acetylgalactosaminyltransferase 1
 NP_001007416.1 glomulin

NP_001124101.1 glomulin, FKBP associated protein b
 AAH85599.1 Gira4b protein, partial
 AAS93685.1 glucagon receptor precursor
 AAW82330.1 glucagon-like peptide 1 receptor
 NP_001188372.1 glucocorticoid modulatory element binding protein 1
 EHH65163.1 Glucocorticoid modulatory element-binding protein 2
 ADC90323.1 glucocorticoid receptor
 CAJ70650.2 glucocorticoid receptor 2
 AFK14017.1 glucocorticoid receptor 2a
 CAI51316.3 glucocorticoid receptor GR1a
 ACD37722.1 glucokinase
 NP_001019545.1 glucosamine 6-phosphate N-acetyltransferase
 NP_001134003.1 Glucosamine-6-phosphate isomerase
 NP_001017867.1 glucosamine-6-phosphate isomerase 1
 NP_001030153.1 glucosamine--fructose-6-phosphate aminotransferase
 NP_001091955.1 glucose 1,6-bisphosphate synthase
 AAH44450.1 Glucose phosphate isomerase a
 AEH76920.1 glucose phosphate isomerase b
 ADB22513.1 glucose transporter 1 4.5kb transcript
 ACO34844.1 glucose transporter 2
 AAP03065.1 glucose transporter X
 CBN81681.1 Glucose-6-phosphatase
 NP_001187276.1 glucose-6-phosphatase 3
 NP_001003512.1 glucose-6-phosphatase a, catalytic, tandem duplicate 1
 NP_001135196.1 Glucose-6-phosphate 1-dehydrogenase
 ABV30908.1 glucose-6-phosphate dehydrogenase
 ADI60308.1 glucose-6-phosphate dehydrogenase, partial
 NP_999903.1 glucose-6-phosphate translocase
 NP_861435.1 glucose-dependent insulinotropic receptor
 AFJ50179.1 Glucose-fructose oxidoreductase domain-containing protein 1-like
 NP_957347.1 glucosidase 2 subunit beta precursor
 NP_001103670.1 glucoside xylosyltransferase 2 precursor
 NP_998015.2 glucuronyl C5-epimerase a
 AAI63091.1 Glucuronyl C5-epimerase b
 BAD92087.1 Glutamate
 NP_956571.1 glutamate carboxypeptidase 2
 NP_919400.1 glutamate decarboxylase 1
 NP_001083039.2 glutamate decarboxylase 1-like
 NP_001017708.2 glutamate decarboxylase 2
 AAN61943.1 glutamate decarboxylase GAD
 AEY75541.1 glutamate dehydrogenas
 AEX31558.1 glutamate dehydrogenase
 NP_955839.2 glutamate dehydrogenase 1b
 ELK31985.1 Glutamate receptor 4
 AAA19859.1 glutamate receptor 4, partial
 AAA86646.2 glutamate receptor AMPA/kainate type
 NP_001116760.1 glutamate receptor interacting protein 2
 NP_001004123.1 glutamate receptor ionotropic, delta-2 precursor
 ACH53024.1 glutamate receptor subunit AMPA2 (predicted)
 NP_938174.1 glutamate receptor, ionotropic, AMPA 3 precursor
 NP_001232890.1 glutamate receptor, ionotropic kainate 5
 NP_991161.1 glutamate receptor, ionotropic, AMPA 1a precursor
 NP_991293.1 glutamate receptor, ionotropic, AMPA 1b precursor
 AAI62655.1 Glutamate receptor, ionotropic, AMPA 2a
 NP_571969.1 glutamate receptor, ionotropic, AMPA 2a precursor
 NP_571970.2 glutamate receptor, ionotropic, AMPA 2b precursor
 AAI62576.1 Glutamate receptor, ionotropic, AMPA 4a
 NP_999971.1 glutamate receptor, ionotropic, AMPA 4a precursor
 AAI62620.1 Glutamate receptor, ionotropic, AMPA 4b
 NP_997917.1 glutamate receptor, ionotropic, AMPA 4b precursor
 AAI62459.1 Glutamate receptor, ionotropic, delta 2
 NP_001137603.1 glutamate receptor, ionotropic, N-methyl D-aspartate 1b precursor
 NP_001116764.1 glutamate receptor, metabotropic 6a
 NP_001073489.1 glutamate receptor, metabotropic 6b
 NP_001038316.1 glutamate receptor-interacting protein 1
 AAH45886.1 Glutamate-ammonia ligase (glutamine synthase) b
 NP_954971.2 glutamate--cysteine ligase catalytic subunit
 NP_956139.1 glutamate--cysteine ligase regulatory subunit
 AAH45303.1 Glutamate-cysteine ligase, catalytic subunit
 NP_001003509.1 glutamate-rich WD repeat-containing protein 1
 ADB02907.1 glutaminase
 NP_001038509.1 glutaminase a
 AAL62447.1 glutamine synthetase
 NP_001092723.1 glutamine-dependent NAD(+) synthetase
 AAI63281.1 Glutamine-fructose-6-phosphate transaminase 2
 NP_001020633.1 glutamine-rich protein 1
 NP_001038418.1 glutaminyl-peptide cyclotransferase-like
 AAT68085.1 glutaminyl-tRNA synthetase
 NP_001186660.1 glutamyl aminopeptidase

NP_001112370.1 glutamyl-tRNA(Gln) amidotransferase subunit A, mitochondrial
 NP_001013464.2 glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial-like
 NP_001005950.1 glutaredoxin 3
 NP_001188247.1 glutaredoxin-1
 NP_001002404.1 glutaredoxin-2, mitochondrial
 NP_001134169.1 glutaredoxin-like protein YDR286C homolog
 NP_998186.1 glutaredoxin-related protein 5, mitochondrial
 NP_001006024.1 glutaryl-Coenzyme A dehydrogenase, like
 NP_001007282.2 glutathione peroxidase 1
 NP_001108630.1 glutathione peroxidase 3 precursor
 ABW76146.1 glutathione peroxidase 4a
 ACK77316.1 glutathione S-transferase
 NP_001187537.1 glutathione S-transferase 3
 NP_001019633.1 glutathione S-transferase C-terminal domain-containing protein
 NP_001187282.1 glutathione S-transferase kappa 1
 ADO28330.1 glutathione S-transferase P
 ADY80028.1 glutathione S-transferase zeta 1 isoform 2
 NP_001006104.1 glutathione synthetase
 ABG23666.1 glyceraldehyde 3-phosphate dehydrogenase
 ELW64041.1 Glyceraldehyde-3-phosphate dehydrogenase
 NP_001070856.1 glycerate kinase
 NP_001108056.1 glycerol kinase
 NP_001167229.1 Glycerol kinase, testis specific 1
 CBN81479.1 Glycerol-3-phosphate acyltransferase 1, mitochondrial
 NP_001082849.1 glycerol-3-phosphate acyltransferase 2, mitochondrial
 NP_001002685.1 glycerol-3-phosphate acyltransferase 3
 NP_001035339.2 glycerol-3-phosphate acyltransferase 4
 NP_999918.1 glycerol-3-phosphate dehydrogenase
 NP_001017709.1 glycerol-3-phosphate dehydrogenase 1a
 NP_956000.1 glycerol-3-phosphate dehydrogenase 1b
 NP_001005934.1 glycerol-3-phosphate dehydrogenase 1-like protein
 ACO10070.1 Glycerol-3-phosphate dehydrogenase, cytoplasmic
 NP_001038813.1 glycerol-3-phosphate dehydrogenase, mitochondrial
 NP_001007440.1 glycerol-3-phosphate transporter
 NP_956537.1 glycerophosphodiester phosphodiesterase 1
 NP_998366.1 glycerophosphodiester phosphodiesterase domain containing 1 like
 NP_001004118.1 glycerophosphodiester phosphodiesterase domain-containing protein 1
 BAD17906.1 glycylamide ribonucleotide synthetase-aminimidazole ribonucleotide synthetase-glycylamide ribonucleotide transformylase
 AAC96120.1 glycylamide ribonucleotide transformylase
 NP_955825.1 glycine amidinotransferase, mitochondrial
 NP_955848.1 glycine dehydrogenase
 NP_997981.1 glycine N-methyltransferase
 ELK33766.1 Glycine receptor subunit alpha-2
 NP_001161371.1 glycine receptor subunit alpha-2 precursor
 NP_694497.1 glycine receptor subunit alpha-3 precursor
 ELK07476.1 Glycine receptor subunit alpha-4
 NP_571477.1 glycine receptor subunit alphaZ1 precursor
 NP_001003587.1 glycine receptor subunit beta
 AAI63529.1 Glycine receptor, alpha 3
 NP_001189440.1 glycine receptor, alpha 4b precursor
 NP_001076395.1 glycine/arginine-rich protein 1
 NP_001018199.1 glycogen
 ELV10507.1 Glycogen debranching enzyme
 NP_997974.2 glycogen phosphorylase, brain form
 NP_001018464.1 glycogen phosphorylase, muscle form
 AFN70431.1 glycogen synthase kinase 3 beta variant 5
 NP_001027597.1 glycogen synthase kinase alpha/beta
 ELV11823.1 Glycogen synthase kinase-3 beta
 EDM01079.1 glycogenin 1, isoform CRA_d
 AFK11151.1 glycogenin-1
 NP_001139048.1 glycogenin-2
 NP_001093458.1 glycolipid transfer protein
 NP_001003497.1 glycolipid transfer protein domain-containing protein 1
 AAW71996.1 glycoprotein A repetitions predominant precursor
 NP_001160156.1 glycoprotein hormone alpha-2 precursor
 NP_001159810.1 glycoprotein hormone beta-5 precursor
 NP_001073305.1 glycoprotein integral membrane protein 1 precursor
 EAW98849.1 glycoprotein M6B, isoform CRA_f
 NP_982251.1 glycoprotein M6Ba
 NP_001070842.1 glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1-A
 NP_956345.1 glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1-B
 NP_001038283.1 glycosaminoglycan xylosylkinase
 ADO27988.1 glycosyltransferase 8 domain-containing protein 2
 NP_001017560.1 glycosyltransferase-like domain-containing protein 1
 NP_001004537.1 glycosyltransferase-like protein LARGE1
 ELK10287.1 Glycosyltransferase-like protein LARGE1, partial
 NP_001018316.1 glycylopeptide N-tetradecanoyltransferase 1
 ADO28274.1 glyoxal reductase
 NP_001018514.1 glyoxalase domain-containing protein 5

NP_001187384.1 glyoxylate reductase/hydroxypyruvate reductase
 NP_957314.1 glypican 1b precursor
 NP_001032450.1 glypican-1 precursor
 NP_001103189.1 glypican-6 precursor
 XP_002045008.1 GM24059
 NP_001018448.1 GMP reductase 1
 NP_956881.2 GMP synthase
 AAH45452.1 GnI2 protein
 AAI08045.1 GnI3 protein
 AAH7841.1.1 GnI3l protein, partial
 AAI39623.1 Golgb1 protein
 AAH80229.1 Golgi associated, gamma adaptin ear containing, ARF binding protein 1
 EDL34505.1 golgi associated, gamma adaptin ear containing, ARF binding protein 3, isoform CRA_d
 NP_001091662.1 Golgi integral membrane protein 4
 NP_956997.1 Golgi reassembly-stacking protein 2
 EGW11178.1 Golgi resident protein GCP60
 ACO08060.1 Golgi SNAP receptor complex member 1
 NP_955982.1 Golgi SNAP receptor complex member 2
 NP_001005978.1 Golgi-associated plant pathogenesis-related protein 1
 NP_957132.2 Golgin subfamily A member 1
 NP_001120806.1 Golgin subfamily A member 2
 NP_001122017.1 Golgin subfamily A member 3
 NP_998576.1 Golgin subfamily A member 5
 NP_001018301.1 goliath homolog
 NP_001188464.1 GON-4-like protein
 NP_001118051.1 gonadal-soma derived growth factor precursor
 ACX37700.1 gonadotropin alpha subunit
 NP_001187008.1 gonadotropin subunit beta-1 precursor
 AAH46027.1 Gopc protein
 AAH12620.1 GOSR1 protein
 BAH47260.1 gp130
 AAI03489.1 Gpatch1 protein
 NP_001121709.1 GPI ethanolamine phosphate transferase 1
 CBN81774.1 GPI mannosyltransferase 1
 NP_001186989.1 GPI mannosyltransferase 2
 NP_956770.1 GPI mannosyltransferase 3
 NP_001070082.1 GPI transamidase component PIG-S
 NP_001002149.1 GPI-anchor transamidase precursor
 NP_001003484.1 GPI-anchored membrane protein 1
 AAH75774.1 Gpm6ab protein
 ADO27762.1 gpn-loop GTPase 1
 NP_001187355.1 GPN-loop GTPase 2
 NP_001025429.1 Gpr7
 ADG85669.1 GPR81-like protein 3
 ADG85670.1 GPR81-like protein 4
 AAR25617.1 G-protein alpha 13a
 BAF63409.1 G-protein beta subunit 5L
 AFY63168.1 G-protein couple receptor IHR2
 NP_001122195.1 G-protein coupled estrogen receptor 1
 NP_001082996.1 G-protein coupled purinergic receptor P2Y10
 NP_001156763.1 G-protein coupled receptor 126 precursor
 NP_957116.2 G-protein coupled receptor 143
 NP_001018314.1 G-protein coupled receptor 182
 NP_001187593.1 G-protein coupled receptor 183-a
 NP_001124284.1 G-protein coupled receptor 183-B
 NP_001099167.1 G-protein coupled receptor 84
 NP_001001845.1 G-protein coupled receptor 98 precursor
 NP_001139176.1 G-protein coupled receptor family C group 5 member B-like precursor
 NP_001103183.1 G-protein coupled receptor family C group 5 member C precursor
 NP_001186897.1 G-protein coupled receptor family C group 6 member A-like
 BAF63408.1 G-protein gamma subunit 8
 NP_001005936.1 G-protein signalling modulator 2, like
 AAP04310.1 G-protein-coupled receptor GPR34 type 1
 AAP04309.1 G-protein-coupled receptor GPR34 type 2b
 NP_956732.1 G-protein-signaling modulator 2
 AAH61955.1 Gpt2l protein
 NP_001025263.1 grainyhead-like 2a
 NP_001076541.1 grainyhead-like protein 2 homolog
 ELW65857.1 GRAM domain-containing protein 1B
 ELW68436.1 GRAM domain-containing protein 3
 NP_001001949.2 granulin-a precursor
 CBN81736.1 Granulins
 AAI63829.1 Granulito
 AEI83864.1 granulocyte colony stimulating factor receptor
 CAQ42965.1 granulocyte colony-stimulating factor
 NP_001106848.1 granulocyte colony-stimulating factor receptor
 NP_001117874.1 granulocyte colony-stimulating factor receptor precursor
 NP_001187108.1 granzyme precursor
 NP_001187138.1 granzyme-like 1 precursor

AAX36078.1 granzyme-like II, partial
NP_001187139.1 granzyme-like III precursor
NP_001245154.1 grass carp reovirus (GCRV)-induced gene 2i
NP_956463.1 GRB2-associated and regulator of MAPK protein
ADO28067.1 grb2-related adapter protein
ADO27930.1 grb2-related adapter protein 2
NP_001017756.1 GRB2-related adaptor protein 2
NP_998017.1 gremlin 1 homolog a, cysteine knot superfamily precursor
NP_001187848.1 gremlin-2 precursor
NP_001135339.1 G-rich sequence factor 1
NP_001003430.1 grifin
NP_001003599.1 GRIP and coiled-coil domain-containing protein 1
NP_001179188.1 GRIP and coiled-coil domain-containing protein 2
NP_001116792.1 GRIP1-associated protein 1
AAH96854.1 Grm protein
AAI62533.1 Gro2 protein
AAN77519.1 groucho protein GRG1-DGPWD
NP_001002350.1 group 10 secretory phospholipase A2
NP_001032489.1 group 3 secretory phospholipase A2 precursor
ELK25582.1 Group XV phospholipase A2
NP_991254.1 growth arrest and DNA damage-inducible protein GADD45 gamma
ADO28297.1 growth arrest and DNA-damage-inducible protein gadd45 beta
NP_956870.1 growth arrest and DNA-damage-inducible, alpha, a
NP_001002216.1 growth arrest and DNA-damage-inducible, alpha, b
NP_001012386.1 growth arrest and DNA-damage-inducible, beta b
NP_001104690.1 growth arrest-specific 1a precursor
NP_001071269.1 growth arrest-specific 1b
NP_001090555.1 growth arrest-specific 7
NP_001186399.1 growth arrest-specific protein 2
NP_956272.1 growth arrest-specific protein 6 precursor
ACY78404.1 growth differentiation factor 11
NP_001165057.1 growth differentiation factor 2 precursor
ADW20148.1 growth differentiation factor 9
NP_001018612.1 growth factor independent 1aa
NP_001004287.1 growth factor receptor-bound protein 10a
NP_998200.1 growth factor receptor-bound protein 2
AET08956.1 growth hormone
AAP97011.1 growth hormone receptor
NP_001187143.1 growth hormone receptor precursor
CAC82589.1 growth hormone releasing hormone-like peptide receptor
NP_001187250.2 growth hormone secretagog receptor 1a
NP_001187251.1 growth hormone secretagog receptor 2a
ACO08873.1 Growth hormone-inducible transmembrane protein
NP_001017810.1 growth hormone-regulated TBC protein 1
NP_998567.1 growth hormone-regulated TBC protein 1-A
ABJ55978.1 growth hormone-releasing hormone receptor
NP_001075951.1 growth hormone-releasing hormone receptor precursor
NP_001187022.1 growth hormone-releasing hormone/pituitary adenylate cyclase-activating polypeptide precursor
NP_001153466.1 growth/differentiation factor 6-A precursor
NP_571062.1 growth/differentiation factor 6-B precursor
AAC15698.1 growth-hormone releasing hormone-like peptide receptor
NP_001032461.1 grpE protein homolog 1, mitochondrial
NP_001012251.1 GS homeobox 1
CAN88050.1 GS homeobox 2
ADM32521.1 gsk3
NP_998600.1 GSK3-beta interaction protein
ACI67896.1 GSK-3-binding protein
AAI25893.1 Gsna protein
NP_001093379.1 GTP binding protein 2
AAH67599.1 GTP binding protein 4
NP_001129727.2 GTP cyclohydrolase 1
ACI69203.1 GTP cyclohydrolase 1 feedback regulatory protein
ACO09562.1 GTP cyclohydrolase I
AAH65323.1 GTPase activating protein (SH3 domain) binding protein 1
NP_001122219.1 GTPase Era, mitochondrial
ACI69703.1 GTPase IMAP family member 7
ABD83903.1 GTPase IMAP family member 8-like
ELK24704.1 GTPase KRas
NP_001070761.1 GTPase, IMAP family member
ACO08772.1 GTPase, IMAP family member 7
XP_001869290.1 GTPase_rho
NP_001002420.2 GTPase-activating protein and VPS9 domain-containing protein 1
NP_001121999.1 GTPase-activating Rap/Ran-GAP domain-like protein 3
NP_571384.1 GTP-binding nuclear protein Ran
NP_998640.2 GTP-binding protein 1
NP_001038661.1 GTP-binding protein 2
NP_001133555.1 GTP-binding protein 6
NP_001119874.1 GTP-binding protein 8 precursor
NP_001070112.1 GTP-binding protein ARD-1

NP_001133238.1 GTP-binding protein GEM
 NP_001134761.1 GTP-binding protein RAY-like
 NP_001122253.1 GTP-binding protein Rit1
 NP_001017882.1 GTP-binding protein SAR1a
 ACO13563.1 GTP-binding protein SAR1b
 AFC38440.1 Gtsf1
 ADO28018.1 guanidinoacetate n-methyltransferase
 NP_001018510.1 guanine deaminase
 NP_001159486.1 guanine nucleotide binding protein (G protein) alpha v1
 NP_001003626.1 guanine nucleotide binding protein (G protein), alpha 15 (Gq class)
 NP_957122.1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O, b
 NP_989250.1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
 EAW53700.1 guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1, isoform CRA_i
 NP_998367.1 guanine nucleotide binding protein (G protein), beta polypeptide 3b
 NP_001159597.1 guanine nucleotide binding protein (G protein), gamma 13a
 EAW65665.1 guanine nucleotide binding protein (G protein), gamma 2, isoform CRA_c
 AAL77635.1 guanine nucleotide binding protein
 EDL11106.1 guanine nucleotide binding protein, alpha o, isoform CRA_a
 CBN81000.1 Guanine nucleotide binding protein-like 3, partial
 NP_001187603.1 guanine nucleotide exchange factor mss4
 NP_996745.1 guanine nucleotide exchange factor VAV3
 AAD11807.1 guanine nucleotide-binding protein
 NP_001187266.1 guanine nucleotide-binding protein G(i) subunit alpha-1
 NP_956136.1 guanine nucleotide-binding protein G(i) subunit alpha-2
 NP_571916.1 guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-3
 NP_001002397.1 guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-7
 NP_001002437.1 guanine nucleotide-binding protein G(l)/G(s)/G(t) subunit beta-3
 NP_989580.1 guanine nucleotide-binding protein G(k) subunit alpha
 NP_001081764.1 guanine nucleotide-binding protein G(o) alpha subunit 1
 ELR53386.1 Guanine nucleotide-binding protein G(o) subunit alpha
 NP_001007340.1 guanine nucleotide-binding protein G(olf) subunit alpha
 NP_999835.1 guanine nucleotide-binding protein G(q) alpha subunit
 NP_001138271.1 guanine nucleotide-binding protein G(q) subunit alpha
 EFN63840.1 Guanine nucleotide-binding protein G(s) subunit alpha
 NP_990021.1 guanine nucleotide-binding protein G(t) subunit alpha-2
 EHB13407.1 Guanine nucleotide-binding protein G(t) subunit alpha-3
 NP_956261.1 guanine nucleotide-binding protein G(T) subunit gamma-T1
 ELW49657.1 Guanine nucleotide-binding protein G(z) subunit alpha
 NP_001007774.1 guanine nucleotide-binding protein subunit alpha-11
 ELV09273.1 Guanine nucleotide-binding protein subunit alpha-11, partial
 NP_001013295.1 guanine nucleotide-binding protein subunit alpha-12
 ELW66848.1 Guanine nucleotide-binding protein subunit beta-2-like 1
 NP_957040.1 guanine nucleotide-binding protein subunit beta-5
 NP_001013526.1 guanine nucleotide-binding protein subunit beta-like protein 1
 NP_001070721.1 guanine nucleotide-binding protein-like 1
 NP_001187852.1 guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESHI
 NP_001002343.1 guanylate binding protein 1
 ABY25311.1 guanylate binding protein 11
 BAH28865.1 guanylate cyclase activating protein 1
 BAH28866.1 guanylate cyclase activating protein 2
 BAH28867.1 guanylate cyclase activating protein 3
 BAH28868.1 guanylate cyclase activating protein 4
 NP_001011661.1 guanylate cyclase activator 1d
 CAQ64670.1 guanylate cyclase C type 2
 NP_001135730.1 guanylate cyclase OIGC-R2
 BAH28862.1 guanylate cyclase retinal rod1
 BAH28863.1 guanylate cyclase retinal rod2
 NP_001238874.1 guanylate cyclase soluble subunit beta-1
 EHB10265.1 Guanylate cyclase soluble subunit beta-1, partial
 AAK95948.1 guanylate cyclase-activating protein 2
 NP_001187564.1 guanylate kinase
 NP_957018.1 guanylate kinase 1b
 ELK06323.1 Guanylate-binding protein 4
 ELW72645.1 Guanylate-binding protein 5
 NP_001187735.1 guanylin precursor
 BAC76881.1 guanylyl cyclase
 NP_571941.1 guanylyl cyclase 3
 AAH59563.1 Guk1 protein
 NP_571856.1 glycine receptor, beta a precursor
 NP_001070786.1 H(+)/Cl(-) exchange transporter 4
 NP_001071005.1 H(+)/Cl(-) exchange transporter 7
 ELW47960.1 H/ACA ribonucleoprotein complex subunit 2
 ADO27880.1 h/aca ribonucleoprotein complex subunit 2-like protein
 AEC13086.1 H1 histone
 AAH83463.1 H1m protein, partial
 NP_001015968.1 H2A histone family, member X
 NP_001020673.1 H2A histone family, member Y-like
 AET83983.1 h2afv/EosFPtd fusion protein
 YP_003450790.1 haemolysin-type calcium-binding region-containing protein

NP_001134136.1 hairy and enhancer of split 5
 NP_001187949.1 hairy and enhancer of split 6
 NP_571684.1 hairy and enhancer of split related-7
 NP_001099062.1 hairy and enhancer of split-related 15.2
 NP_996948.1 hairy and enhancer of split-related protein helt
 NP_997726.1 hairy/enhancer-of-split related with YRPW motif protein 1
 AAH71465.1 Hairy-related 12
 NP_571155.1 hairy-related 3
 NP_571152.1 hairy-related 5
 NP_001187428.1 haloacid dehalogenase-like hydrolase domain-containing protein 1a
 NP_001187584.1 haloacid dehalogenase-like hydrolase domain-containing protein 2
 NP_001014173.2 haloacid dehalogenase-like hydrolase domain-containing protein 2 precursor
 NP_001187375.1 haloacid dehalogenase-like hydrolase domain-containing protein 3
 NP_956346.1 hamartin
 AAH55638.1 Hao1 protein
 AAI42598.1 Hapln1a protein
 AAI63401.1 Has3 protein
 BAI68361.1 hatching enzyme
 NP_001002425.1 HAUS augmin-like complex subunit 4
 NP_001007439.1 HAUS augmin-like complex subunit 5
 NP_001073443.1 HAUS augmin-like complex subunit 6
 NP_001085851.1 HBS1-like
 NP_955970.1 HBS1-like protein
 NP_001070204.2 HBV PreS1-transactivated protein 3
 AAI39849.1 Hcfc1a protein
 EAW65529.1 hCG14948, isoform CRA_b
 EAW99982.1 hCG1648894, isoform CRA_a
 EAW93108.1 hCG1653562, isoform CRA_d
 EAX11299.1 hCG17042, isoform CRA_b
 EAW84625.1 hCG1777163
 EAW94328.1 hCG1810810, isoform CRA_b
 EAW47660.1 hCG18157
 EAW65611.1 hCG19399, isoform CRA_a
 EAW85097.1 hCG1980674, isoform CRA_a
 EAW99568.1 hCG1986126, isoform CRA_a
 EAX01109.1 hCG1990170, isoform CRA_e
 EAW79418.1 hCG2022551, isoform CRA_e
 EAX04706.1 hCG2025760, isoform CRA_e
 EAW49004.1 hCG2031476, isoform CRA_c
 EAW80179.1 hCG2039718, isoform CRA_g
 EAW73739.1 hCG39762, isoform CRA_a
 NP_001096382.1 HCLS1 binding protein 3
 NP_001038696.1 HD domain-containing protein 2
 AAH39904.1 HDAC4 protein
 AAI15263.1 Hdac6 protein
 ABD77534.1 HDCME31P-like protein
 EIN04338.1 HD-domain/PDEase-like protein
 NP_001038591.1 headcase protein homolog
 NP_571701.2 heart- and neural crest derivatives-expressed protein 2
 AAI62480.1 Heart of glass
 NP_957183.1 HEAT repeat-containing protein 3
 NP_956772.2 HEAT repeat-containing protein 5A
 ELK14128.1 HEAT repeat-containing protein 5B
 NP_001107785.1 HEAT repeat-containing protein 6
 NP_001036151.1 heat shock 70 kDa protein 12B
 NP_001082948.1 heat shock 70 kDa protein 13 precursor
 NP_001038541.1 heat shock 70 kDa protein 14
 EAW62128.1 heat shock 70kDa protein 9B (mortalin-2), isoform CRA_a
 ADX32515.1 heat shock cognate 70 kDa protein
 AFP43224.1 heat shock cognate 70-2
 ACR15181.1 heat shock cognate protein 70
 EDL92660.1 heat shock factor binding protein 1, isoform CRA_a
 NP_571675.1 heat shock factor protein 1
 NP_571942.1 heat shock factor protein 2
 EGV97029.1 Heat shock factor protein 4
 ADA70351.1 heat shock protein
 NP_001038900.1 heat shock protein 12A
 BAC76427.1 heat shock protein 4
 NP_999881.1 heat shock protein 4a
 AAH63946.1 Heat shock protein 5
 ADO27951.1 heat shock protein 67b2
 ACG63706.2 heat shock protein 70
 AAO52675.1 heat shock protein 90 alpha
 ADO28210.1 heat shock protein beta-1
 NP_001092897.1 heat shock protein beta-11
 NP_001017744.1 heat shock protein beta-2
 NP_001006040.1 heat shock protein beta-7
 NP_001094427.2 heat shock protein beta-8
 CAA74012.1 heat shock protein cognate 70

NP_571385.2 heat shock protein HSP 90-beta
 NP_001134654.1 heat shock protein, alpha-crystallin-related, 1
 NP_001094428.1 heat shock protein, alpha-crystallin-related, b6
 NP_001118220.1 heat shock transcription factor 1b
 NP_001013335.1 heat shock transcription factor 4
 AAH33020.1 Heat shock transcription factor family member 5
 AAI24338.1 HECT domain containing 3
 NP_957181.1 hedgehog acyltransferase-like, a
 NP_001070858.1 hedgehog acyltransferase-like, b
 ABA54452.1 hedgehog-interacting protein
 NP_001073481.1 hedgehog-interacting protein precursor
 ABB05534.1 Hel
 ACO13056.1 held out wings
 NP_001038366.1 helicase SKI2W
 AAI71410.1 Helicase, lymphoid-specific
 NP_991232.1 helix-loop-helix protein 2
 AAI24095.1 Hells protein
 NP_001082982.1 hematological and neurological expressed 1a
 NP_001135283.1 hematopoietic cell-specific Lyn substrate 1
 NP_919372.1 hematopoietic death receptor precursor
 ELK00910.1 Hematopoietically-expressed homeobox protein HHEX
 AAH61954.1 Heme oxygenase (decycling) 1
 ADO27993.1 heme oxygenase
 NP_001167138.1 Heme-binding protein 1
 NP_956492.1 heme-binding protein 2
 NP_001232924.1 heme-binding protein sou4
 NP_001177233.1 hemicentin-1 precursor
 ADY39812.1 Hemicentin-2
 ADI46645.1 hemicentin2 protein
 AAI62453.1 Hemochromatosis type 2
 CAP69820.1 hemoglobin alpha
 NP_001118023.1 hemoglobin subunit alpha
 NP_001187948.1 hemoglobin subunit beta
 NP_001187115.1 hemoglobin-beta
 YP_001516221.1 hemolysin-type calcium-binding protein
 NP_001187751.1 hepacam family member 2 precursor
 NP_001074908.1 heparan sulfate (glucosamine) 3-O-sulfotransferase 1-like1 precursor
 AAI62784.1 Heparan sulfate (glucosamine) 3-O-sulfotransferase 2
 NP_001074909.1 heparan sulfate (glucosamine) 3-O-sulfotransferase 3-like
 ABH11452.1 heparan sulfate 3-O-sulfotransferase 5
 ABH11455.1 heparan sulfate 6-O-sulfotransferase 1a
 AAI62829.1 Heparan sulfate 6-O-sulfotransferase 3
 NP_001074077.1 heparan sulfate glucosamine 3-O-sulfotransferase 2
 NP_001074037.1 heparan sulfate glucosamine 3-O-sulfotransferase 3B1
 NP_001074058.1 heparan sulfate glucosamine 3-O-sulfotransferase 4
 NP_001038470.1 heparanase precursor
 NP_001073672.1 heparan-sulfate 6-O-sulfotransferase 1-B
 NP_001073663.1 heparan-sulfate 6-O-sulfotransferase 3
 NP_878300.1 heparin cofactor 2 precursor
 NP_001104696.1 heparin-binding EGF-like growth factor precursor
 NP_997988.1 heparin-binding growth factor 2
 ACT22639.1 hepatic lipase, partial
 NP_991109.1 hepatic nuclear factor 4, beta
 NP_957316.1 hepatic triacylglycerol lipase precursor
 NP_001002434.1 hepatitis A virus cellular receptor 1 homolog precursor
 NP_001187554.1 hepatitis b virus x-interacting protein-like protein
 NP_001018526.1 hepatocyte cell adhesion molecule precursor
 NP_001013292.1 hepatocyte growth factor precursor
 NP_001007125.1 hepatocyte growth factor receptor precursor
 NP_694512.1 hepatocyte growth factor-like protein precursor
 NP_956162.1 hepatocyte growth factor-regulated tyrosine kinase substrate
 NP_739570.1 hepatocyte nuclear factor 1-alpha
 EGW11784.1 Hepatocyte nuclear factor 1-beta
 NP_571955.3 hepatocyte nuclear factor 1-beta-A
 NP_919353.1 hepatocyte nuclear factor 1-beta-B
 NP_001098162.1 hepatocyte nuclear factor 3-beta
 NP_001187505.1 hepatocyte nuclear factor 4-alpha
 NP_001068579.1 hepatocyte nuclear factor 4-gamma
 ELK27895.1 Hephaestin-like protein 1
 AAI62281.1 Her1 protein
 AAH59551.1 Her6 protein
 NP_001032777.1 Hermansky-Pudlak syndrome 1 protein
 NP_001180471.1 Hermansky-Pudlak syndrome 3
 AAI62557.1 Hesx1 protein
 NP_001186654.1 heterochromatin protein 1-binding protein 3
 NP_997752.2 heterogeneous nuclear ribonucleoprotein A/B
 NP_997810.1 heterogeneous nuclear ribonucleoprotein A0
 NP_956398.1 heterogeneous nuclear ribonucleoprotein A1
 NP_001103930.1 heterogeneous nuclear ribonucleoprotein D0

NP_001028868.1 heterogeneous nuclear ribonucleoprotein D-like
 NP_997754.1 heterogeneous nuclear ribonucleoprotein H1, like
 AAH96867.1 Heterogeneous nuclear ribonucleoprotein K, like
 NP_957393.1 heterogeneous nuclear ribonucleoprotein L
 NP_001133491.1 Heterogeneous nuclear ribonucleoprotein L-like
 NP_001133640.1 Heterogeneous nuclear ribonucleoprotein M
 ACN11290.1 Heterogeneous nuclear ribonucleoprotein R
 NP_001028767.2 heterogeneous nuclear ribonucleoprotein U
 AAI34041.1 Hexa protein
 AAH67330.1 Hexokinase 1
 CAX13609.1 hexokinase 2
 NP_998417.1 hexokinase-1
 NP_998231.1 hexokinase-2
 NP_001013509.1 hexosaminidase D
 NP_001070635.2 hexosaminidase domain-containing protein
 NP_001108197.1 hexose-binding lectin 4 precursor
 AAI35006.1 Hgfa protein
 NP_001167111.1 HHIP-like protein 1
 AAH97075.1 Hiat1b protein
 AAI55219.1 Hic1l protein
 NP_001187163.1 HIF 2 alpha
 AAH93209.1 Hif1a2 protein
 NP_956394.1 HIG1 domain family member 1A
 ACM09719.1 HIG1 domain family member 2A
 NP_001161735.1 high affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A
 ABD85497.1 high mobility group box 1-like
 NP_001082803.1 high mobility group protein 20A
 NP_001032501.1 high mobility group protein B2
 NP_001017769.1 high mobility group protein B3
 NP_001140081.1 High mobility group-T protein
 NP_001189423.1 highly divergent homeobox
 NP_001092721.2 high-mobility group box 1b
 AAH57479.1 Hinfp protein
 ADO27766.1 hippocalcin-like protein 1
 NP_955878.1 hippocampus abundant transcript 1 protein
 ABC59518.1 HIRA
 NP_956117.1 HIRA-interacting protein 3
 NP_001036196.1 histamine H1 receptor
 NP_001038803.1 histamine H2 receptor
 ABF71709.1 histamine H3 receptor
 NP_001003636.1 histamine N-methyltransferase
 NP_001020689.1 histamine receptor H3
 NP_001082926.1 histidine ammonia-lyase
 NP_001096063.1 histidine decarboxylase
 ADO27980.1 histidine triad nucleotide-binding protein 1
 AFK11077.1 histidine triad nucleotide-binding protein 2, mitochondrial
 ABX79926.1 histidine-isoleucine/vasoactive intestinal polypeptide
 NP_001004586.1 histidyl-tRNA synthetase, cytoplasmic
 NP_001038499.1 histone acetyltransferase KAT2B
 EHB04871.1 Histone acetyltransferase KAT5
 EGW01779.1 Histone acetyltransferase MYST2
 EHH64134.1 Histone acetyltransferase MYST3
 ELW47565.1 Histone acetyltransferase MYST4, partial
 NP_001004572.1 histone acetyltransferase type B catalytic subunit
 ACI33241.1 Histone chaperone asf1-A
 ADO28580.1 histone chaperone asf1-b
 NP_999922.1 histone chaperone asf1b-B
 AAH85375.1 Histone deacetylase 1
 NP_956069.1 histone deacetylase 10
 NP_001002171.1 histone deacetylase 11
 NP_001005432.1 histone deacetylase 2
 EDL10114.1 histone deacetylase 3, isoform CRA_e
 ABB92849.1 histone deacetylase 4
 ELK14159.1 Histone deacetylase 5
 NP_998596.1 histone deacetylase 8
 AAQ97977.1 histone deacetylase 9
 NP_957110.2 histone deacetylase 9-B
 ACN11488.1 Histone deacetylase complex subunit SAP30L
 ACN10192.1 Histone H1.0
 AAK01371.1 histone H2A
 NP_001157501.1 histone H2A deubiquitinase MYSM1
 ACI69005.1 Histone H2AV
 EIE85021.1 histone H3
 EKX36203.1 histone H3 variant
 EGV98928.1 Histone H3.1t
 NP_001157712.1 histone H3-like centromeric protein A
 NP_998589.2 histone H4 transcription factor
 NP_001189376.1 histone lysine demethylase PHF8
 ABC54714.1 histone methyltransferase SmyD1b

AAR37358.1 histone phosphorylation reporter fusion protein
NP_001003645.1 histone-arginine methyltransferase CARM1
ELW48620.1 Histone-binding protein RBBP4
NP_001070747.1 histone-lysine N-methyltransferase EZH2
EKCI8365.1 Histone-lysine N-methyltransferase PRDM9
NP_956348.1 histone-lysine N-methyltransferase set3
NP_001002456.1 histone-lysine N-methyltransferase SETD7
NP_001038232.1 histone-lysine N-methyltransferase SETDB1-A
NP_001070745.2 histone-lysine N-methyltransferase SETDB1-B
NP_996941.1 histone-lysine N-methyltransferase SETDB2
EGI61645.1 Histone-lysine N-methyltransferase SETMAR
NP_001119954.1 histone-lysine N-methyltransferase SUV39H1
AFE72138.1 histone-lysine N-methyltransferase SUV39H1, partial
NP_001003592.1 histone-lysine N-methyltransferase SUV39H1-A
NP_001007338.1 histone-lysine N-methyltransferase SUV420H1
NP_001107087.1 histone-lysine N-methyltransferase, H3 lysine-9 specific 3
NP_001025302.1 histone-lysine N-methyltransferase, H3 lysine-9 specific 5
NP_957497.1 HIV TAT specific factor 1
ACN10315.1 HLA class II histocompatibility antigen, DP alpha chain precursor
NP_957237.1 HLA-B associated transcript 1
ABF61604.1 HMG box transcription factor Sox9a2
NP_001019602.2 HMG box-containing protein 1
NP_001120984.1 HMG domain-containing protein 4
AAI34233.1 Hmha1 protein
AAI63903.1 Hmnr protein
AAH78238.1 Hmnr protein, partial
AAI54567.1 Hmx1 protein
NP_001187112.1 HNI-like protein
AAI54329.1 Hnrnp1 protein
AAI17609.1 Hnrnpu protein
NP_001138269.1 hole protein
NP_001002498.1 holocytochrome c synthetase a
ACN65052.1 homeo box B1a
ACN65054.1 homeo box B3a
ACN65055.1 homeo box B4a
NP_001241873.1 homeo box C10a
NP_001009886.2 homeo box HB9 like a
AEE90202.1 Homeobox D13a
AAD15960.1 homeobox protein
NP_001187376.1 homeobox protein akr
ELW48823.1 Homeobox protein aristaless-like 4
NP_001020120.1 homeobox protein BarH-like 1
NP_001092232.1 homeobox protein CDX-1
NP_571233.1 homeobox protein DBX1-A
NP_571380.1 homeobox protein Dlx1a
NP_571393.1 homeobox protein Dlx4b
NP_571381.1 homeobox protein Dlx5a
ELR52364.1 Homeobox protein EMX1
NP_001135198.1 homeobox protein EMX2
ELW69784.1 Homeobox protein engrailed-2
NP_571115.1 homeobox protein engrailed-2b
NP_694496.1 homeobox protein GBX-2
NP_001108570.1 homeobox protein HMX2
NP_571230.1 homeobox protein Hox-A10b
NP_571222.1 homeobox protein Hox-A11b
NP_001078963.1 homeobox protein Hox-A13a
NP_001187726.1 homeobox protein hox-a13b
NP_571181.1 homeobox protein Hox-A2b
NP_571610.1 homeobox protein Hox-A4a
NP_001038377.1 homeobox protein Hox-B13a
NP_571217.2 homeobox protein Hox-B1b
NP_571191.1 homeobox protein Hox-B2a
ABW77467.1 homeobox protein HoxB5aa
NP_571612.2 homeobox protein Hox-B5b
NP_571613.1 homeobox protein Hox-B6b
NP_571195.1 homeobox protein Hox-B8a
NP_571256.1 homeobox protein Hox-B8b
NP_571240.1 homeobox protein Hox-C11a
NP_001104229.1 homeobox protein Hox-C12
NP_001133010.1 homeobox protein HoxC12ba
NP_001133003.1 homeobox protein HoxC13ab
NP_001135138.1 homeobox protein HoxC13ba
NP_571197.1 homeobox protein Hox-C4a
NP_571198.1 homeobox protein Hox-C6a
NP_001133025.1 homeobox protein HoxD10aa
NP_001193253.1 homeobox protein Hox-D11
NP_571200.1 homeobox protein Hox-D3a
ABW77554.1 homeobox protein HoxD9aa
NP_571968.1 homeobox protein Meis1

NP_571853.1 homeobox protein Meis3
 NP_001025440.1 homeobox protein MSH-A
 NP_571335.1 homeobox protein MSH-B
 NP_571351.2 homeobox protein MSH-D
 NP_571497.1 homeobox protein Nkx-2.2a
 NP_571498.1 homeobox protein Nkx-2.3
 NP_001153856.1 homeobox protein Nkx-2.4 isoform 2
 NP_571496.1 homeobox protein Nkx-2.5
 NP_001129256.1 homeobox protein Nkx-6.2
 NP_001159612.1 homeobox protein Nkx-6.3
 NP_571326.1 homeobox protein OTX2
 NP_001084160.1 homeobox protein OTX2-A
 NP_705940.1 homeobox protein PKNX2
 NP_996978.1 homeobox protein six1b
 NP_571858.1 homeobox protein SIX2
 BAB18513.1 homeobox protein six4.1
 BAB18511.1 homeobox protein six4.2
 NP_571795.1 homeobox protein SIX5
 NP_001025435.1 homeobox-containing protein 1
 CAJ82424.1 homeodomain interacting protein kinase 1
 AER99754.1 homeodomain interacting protein kinase 3, partial
 NP_001137519.1 homeodomain interacting protein kinase 3a
 NP_001073628.1 homeodomain interacting protein kinase 3b
 ABM73542.1 homeodomain protein
 AAX88801.1 homeodomain transcription factor
 AAZ95043.1 homeodomain transcription factor Meis2a
 CBN80906.1 Homeodomain-interacting protein kinase 1
 NP_001093455.2 homeodomain-interacting protein kinase 2
 NP_001134639.1 Homeodomain-only protein
 NP_001002496.2 homer homolog 1b
 NP_957407.1 homer protein homolog 3
 AAH76306.1 Homer1 protein
 NP_001020708.1 homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein
 NP_956482.1 homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein
 AFJ50019.1 Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein-like
 NP_694498.2 homogentisate 1,2-dioxygenase
 ADO28372.1 homogentisate 1,2-dioxygenase
 NP_001134504.1 Homologous-pairing protein 2 homolog
 ABP65301.1 homomeric kinesin Kif17
 AAI63044.1 Hook homolog 1
 AAZ57203.1 HOOK3-RET fusion protein
 NP_001002357.1 HORMA domain-containing protein 1
 ADR30782.1 hormone-sensitive lipase
 EHB15826.1 Host cell factor
 NP_001038529.1 host cell factor C1a
 NP_001122009.1 host cell factor C1b
 AAI63694.1 Hoxa11a protein
 CAA62553.1 hoxb-1
 AAI34024.1 Hoxc13a protein
 AFI62006.1 Hox-C13b
 AAI63205.1 Hoxc5a protein
 BAE44282.1 hoxC9a
 AAI14272.1 Hoxd11a protein, partial
 AAI39575.1 Hpse protein
 NP_001002590.2 HRAS-like suppressor
 ACO08908.1 HS1-associating protein X-1
 NP_956063.1 hsc70-interacting protein
 AAI63707.1 Hsd17b1 protein
 AAH90448.1 Hsd17b2 protein, partial
 AAI55182.1 Hsd3b7 protein
 AAH64280.1 Hsf2 protein
 AAH71301.1 Hsp47 protein
 NP_956369.1 hsp70-binding protein 1
 NP_001167312.1 Hsp90 co-chaperone Cdc37-like 1
 NP_001003777.1 HSPB1-associated protein 1 homolog
 NP_001025335.1 human immunodeficiency virus type I enhancer binding protein 2
 NP_571093.1 huntingtin
 EDL19363.1 huntingtin interacting protein 1, isoform CRA_a
 EDL37747.1 huntingtin interacting protein 2, isoform CRA_c
 EGW01831.1 Huntingtin-interacting protein 1
 EHB08279.1 Huntingtin-interacting protein 1, partial
 NP_001077034.1 huntingtin-interacting protein 1-related protein
 ACO14134.1 Huntingtin-interacting protein K
 NP_001007791.1 hyaluronan and proteoglycan link protein 1 precursor
 AAI63010.1 Hyaluronan and proteoglycan link protein 2
 NP_001076285.2 hyaluronan and proteoglycan link protein 2 precursor
 NP_998266.1 hyaluronan and proteoglycan link protein 3 precursor
 NP_001038372.1 hyaluronan and proteoglycan link protein 4
 NP_001157502.1 hyaluronan synthase 1

NP_705936.1 hyaluronan synthase 2
NP_001103843.1 hyaluronan-binding protein 2
CBN81454.1 Hyaluronan-binding protein 2, partial
NP_955874.1 hyaluronan-mediated motility receptor (RHAMM)
NP_001121765.1 hyaluronidase-3
NP_001074140.1 hyaluronoglucosaminidase 6 precursor
NP_991193.1 hyccin
NP_001107887.2 hydrocephalus inducing
NP_001098746.1 hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase, alpha subunit a
NP_001188161.1 hydroxyacylglutathione hydrolase-like protein
NP_001156764.1 hydroxycarboxylic acid receptor 1-1
AAH66742.1 Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase
NP_001107059.1 hydroxylysine kinase
NP_957448.1 hydroxymethylbilane synthase a
NP_001019559.1 hydroxymethylbilane synthase, b
NP_957509.1 hydroxymethylglutaryl-CoA lyase, mitochondrial
ACI34184.1 Hydroxymethylglutaryl-CoA lyase, mitochondrial precursor
NP_957379.1 hydroxymethylglutaryl-CoA synthase, cytoplasmic
NP_001134497.1 hydroxypyruvate isomerase
AAH48053.1 Hydroxysteroid (17-beta) dehydrogenase 12a
AAH65613.1 Hydroxysteroid 11-beta dehydrogenase 2
ADO28393.1 hydroxysteroid dehydrogenase-like protein 2
ADN37680.1 hypothetical protein
AAH71372.1 Hyou1 protein, partial
NP_001002314.1 hypermethylated in cancer 1 protein
CAB42602.1 hyperpolarization-activated cation channel HCN2
AAN75424.1 hyperpolarization-activated cyclic nucleotide-gate cation channel 2 variant 1
NP_001117790.1 hyperpolarization-activated cyclic nucleotide-gated cation channel 1
AAI71514.1 Hypothetical LOC559844
AEO35729.1 hypothetical protein
ABD63112.1 hypothetical protein 18.t00008
AER42674.1 hypothetical protein 19h2
YP_001957515.1 hypothetical protein Aasi_0363
EKM75684.1 hypothetical protein AGABI1DRAFT_46117, partial
EFR28539.1 hypothetical protein AND_03427
EFR23948.1 hypothetical protein AND_11813
YP_001426738.1 hypothetical protein ATCV1_Z257L
EGB06137.1 hypothetical protein AURANDRAFT_65843
EJD40573.1 hypothetical protein AURDEDRAFT_170386
XP_001559545.1 hypothetical protein BC1G_01701
XP_001894027.1 hypothetical protein Bm1_12800
XP_001902125.1 Hypothetical protein Bm1_53280
XP_002586979.1 hypothetical protein BRAFLDRAFT_102100
XP_002597866.1 hypothetical protein BRAFLDRAFT_105473
XP_002586369.1 hypothetical protein BRAFLDRAFT_108654
XP_002588577.1 hypothetical protein BRAFLDRAFT_110733
XP_002603798.1 hypothetical protein BRAFLDRAFT_114989
XP_002592741.1 hypothetical protein BRAFLDRAFT_118405
XP_002613981.1 hypothetical protein BRAFLDRAFT_118457
XP_002613350.1 hypothetical protein BRAFLDRAFT_118737
XP_002606597.1 hypothetical protein BRAFLDRAFT_120109
XP_002593168.1 hypothetical protein BRAFLDRAFT_120155
XP_002585706.1 hypothetical protein BRAFLDRAFT_120522
XP_002612528.1 hypothetical protein BRAFLDRAFT_120976
XP_002600900.1 hypothetical protein BRAFLDRAFT_121113
XP_002612554.1 hypothetical protein BRAFLDRAFT_122184
XP_002612297.1 hypothetical protein BRAFLDRAFT_122525
XP_002594833.1 hypothetical protein BRAFLDRAFT_124431
XP_002590453.1 hypothetical protein BRAFLDRAFT_124569
XP_002611939.1 hypothetical protein BRAFLDRAFT_126413
XP_002605224.1 hypothetical protein BRAFLDRAFT_126603
XP_002603609.1 hypothetical protein BRAFLDRAFT_126919
XP_002603613.1 hypothetical protein BRAFLDRAFT_126923
XP_002593607.1 hypothetical protein BRAFLDRAFT_128754
XP_002612107.1 hypothetical protein BRAFLDRAFT_132189
XP_002585585.1 hypothetical protein BRAFLDRAFT_133155
XP_002586847.1 hypothetical protein BRAFLDRAFT_139244
XP_002608706.1 hypothetical protein BRAFLDRAFT_141143
XP_002602546.1 hypothetical protein BRAFLDRAFT_159054
XP_002596196.1 hypothetical protein BRAFLDRAFT_167347
XP_002594673.1 hypothetical protein BRAFLDRAFT_185620
XP_002599320.1 hypothetical protein BRAFLDRAFT_199990
XP_002611379.1 hypothetical protein BRAFLDRAFT_211054
XP_002600104.1 hypothetical protein BRAFLDRAFT_221159
XP_002587586.1 hypothetical protein BRAFLDRAFT_230465
XP_002587289.1 hypothetical protein BRAFLDRAFT_237641
XP_002597807.1 hypothetical protein BRAFLDRAFT_238945
XP_002596492.1 hypothetical protein BRAFLDRAFT_243699
XP_002610331.1 hypothetical protein BRAFLDRAFT_251369

XP_002601472.1 hypothetical protein BRAFLDRAFT_270381
XP_002608052.1 hypothetical protein BRAFLDRAFT_278811
XP_002594354.1 hypothetical protein BRAFLDRAFT_57852
XP_002599290.1 hypothetical protein BRAFLDRAFT_64352
XP_002599221.1 hypothetical protein BRAFLDRAFT_64428
XP_002598656.1 hypothetical protein BRAFLDRAFT_67057
XP_002607217.1 hypothetical protein BRAFLDRAFT_67985
XP_002593165.1 hypothetical protein BRAFLDRAFT_72756
XP_002605385.1 hypothetical protein BRAFLDRAFT_74205
XP_002589967.1 hypothetical protein BRAFLDRAFT_81603
XP_002605086.1 hypothetical protein BRAFLDRAFT_85233
XP_002590504.1 hypothetical protein BRAFLDRAFT_86175
XP_002588275.1 hypothetical protein BRAFLDRAFT_86723
XP_002609248.1 hypothetical protein BRAFLDRAFT_86842
XP_002606108.1 hypothetical protein BRAFLDRAFT_88018
XP_002588954.1 hypothetical protein BRAFLDRAFT_89145
XP_002610779.1 hypothetical protein BRAFLDRAFT_91571
XP_002603229.1 hypothetical protein BRAFLDRAFT_93357
XP_002601561.1 hypothetical protein BRAFLDRAFT_95800
XP_002587648.1 hypothetical protein BRAFLDRAFT_96490
XP_002589533.1 hypothetical protein BRAFLDRAFT_97032
XP_002595859.1 hypothetical protein BRAFLDRAFT_97125
YP_001610191.1 hypothetical protein Btr_1963
EGT49447.1 hypothetical protein CAEBREN_03079
EGT46130.1 hypothetical protein CAEBREN_04230
EGT47331.1 hypothetical protein CAEBREN_08836
EGT32644.1 hypothetical protein CAEBREN_29370
EGT50279.1 hypothetical protein CAEBREN_30272
EGT44756.1 hypothetical protein CAEBREN_31863
EGT40973.1 hypothetical protein CAEBREN_32779
YP_007065915.1 hypothetical protein Cal7507_2660
ELU01776.1 hypothetical protein CAPTEDRAFT_107794, partial
ELU15148.1 hypothetical protein CAPTEDRAFT_116911, partial
ELU14653.1 hypothetical protein CAPTEDRAFT_147440, partial
ELT99587.1 hypothetical protein CAPTEDRAFT_156967
ELT96879.1 hypothetical protein CAPTEDRAFT_157742
ELU16365.1 hypothetical protein CAPTEDRAFT_163453
ELT89885.1 hypothetical protein CAPTEDRAFT_174975
ELU15468.1 hypothetical protein CAPTEDRAFT_176397
ELT95613.1 hypothetical protein CAPTEDRAFT_180330
ELU04776.1 hypothetical protein CAPTEDRAFT_186063
ELT94677.1 hypothetical protein CAPTEDRAFT_187714
ELT94903.1 hypothetical protein CAPTEDRAFT_189741, partial
ELT89792.1 hypothetical protein CAPTEDRAFT_191632
ELU04009.1 hypothetical protein CAPTEDRAFT_194605
ELU13414.1 hypothetical protein CAPTEDRAFT_196504
ELU18078.1 hypothetical protein CAPTEDRAFT_197082
ELU17652.1 hypothetical protein CAPTEDRAFT_199760
ELT96999.1 hypothetical protein CAPTEDRAFT_199770
ELU10796.1 hypothetical protein CAPTEDRAFT_200235
ELU10867.1 hypothetical protein CAPTEDRAFT_200496, partial
ELU05953.1 hypothetical protein CAPTEDRAFT_202466
ELT96925.1 hypothetical protein CAPTEDRAFT_203297
ELU03694.1 hypothetical protein CAPTEDRAFT_206368
ELT88088.1 hypothetical protein CAPTEDRAFT_206610
ELU16038.1 hypothetical protein CAPTEDRAFT_206814
ELU06835.1 hypothetical protein CAPTEDRAFT_214536
ELU11533.1 hypothetical protein CAPTEDRAFT_215343
ELT99143.1 hypothetical protein CAPTEDRAFT_215477
ELU1861.1 hypothetical protein CAPTEDRAFT_216906
ELU17121.1 hypothetical protein CAPTEDRAFT_217144
ELT97239.1 hypothetical protein CAPTEDRAFT_217356
ELT97476.1 hypothetical protein CAPTEDRAFT_221453
ELT87030.1 hypothetical protein CAPTEDRAFT_222606
ELU00539.1 hypothetical protein CAPTEDRAFT_227083
ELT95634.1 hypothetical protein CAPTEDRAFT_227708
ELT95266.1 hypothetical protein CAPTEDRAFT_227918
ELU12496.1 hypothetical protein CAPTEDRAFT_228195
ELU03981.1 hypothetical protein CAPTEDRAFT_52480, partial
ELU18314.1 hypothetical protein CAPTEDRAFT_59246, partial
ELT88595.1 hypothetical protein CAPTEDRAFT_95686, partial
ELU06704.1 hypothetical protein CAPTEDRAFT_96104
ELT98743.1 hypothetical protein CAPTEDRAFT_99449, partial
XP_002629704.1 Hypothetical protein CBG00931
XP_002631352.1 Hypothetical protein CBG03185
XP_002648881.1 Hypothetical protein CBG17011
XP_002634736.1 Hypothetical protein CBG21056
XP_002632675.1 Hypothetical protein CBG21601
XP_002643074.1 Hypothetical protein CBG22994

XP_002648189.1 Hypothetical protein CBG24292
EKC36429.1 hypothetical protein CGI_10010586
EKC18580.1 hypothetical protein CGI_10011755
EKC36332.1 hypothetical protein CGI_10027229
EKC40893.1 hypothetical protein CGI_10028609
EFN50662.1 hypothetical protein CHLNCRAFT_28861
YP_004310908.1 hypothetical protein Clole_4032
CCE44549.1 hypothetical protein CPAR2_403520
CCE39630.1 hypothetical protein CPAR2_600430
XP_003102665.1 hypothetical protein CRE_03315
XP_003098727.1 hypothetical protein CRE_04234
XP_003110613.1 hypothetical protein CRE_05504
XP_003109974.1 hypothetical protein CRE_06355
XP_003103851.1 hypothetical protein CRE_09591
XP_003096524.1 hypothetical protein CRE_09736
XP_003089752.1 hypothetical protein CRE_12406
XP_003090282.1 hypothetical protein CRE_13163
XP_003097316.1 hypothetical protein CRE_15603
XP_003091566.1 hypothetical protein CRE_23180
XP_003099951.1 hypothetical protein CRE_24561
XP_003094678.1 hypothetical protein CRE_25831
XP_002550650.1 hypothetical protein CTRG_04948
YP_007146858.1 hypothetical protein Cylst_1930
YP_007171906.1 hypothetical protein Daesa_1895
EFX82090.1 hypothetical protein DAPPUDRAFT_101484
EFX77420.1 hypothetical protein DAPPUDRAFT_106000
EFX66538.1 hypothetical protein DAPPUDRAFT_116209
EFX61540.1 hypothetical protein DAPPUDRAFT_121530
EFX74913.1 hypothetical protein DAPPUDRAFT_251242
EFX73946.1 hypothetical protein DAPPUDRAFT_252512
EFX88874.1 hypothetical protein DAPPUDRAFT_304781
EFX75312.1 hypothetical protein DAPPUDRAFT_306846
EFX78062.1 hypothetical protein DAPPUDRAFT_320792
EFX73922.1 hypothetical protein DAPPUDRAFT_324874
EFX87681.1 hypothetical protein DAPPUDRAFT_43086
EFX84771.1 hypothetical protein DAPPUDRAFT_99396
XP_003286425.1 hypothetical protein DICPUDRAFT_150384
EJF55305.1 hypothetical protein DICSQDRAFT_74684
YP_518110.1 hypothetical protein DSY1877
EFN73065.1 hypothetical protein EAG_00196
EFN61878.1 hypothetical protein EAG_00441
EFN65291.1 hypothetical protein EAG_00534
EFN67654.1 hypothetical protein EAG_07117
EFN61742.1 hypothetical protein EAG_13055
EFN86406.1 hypothetical protein EAI_04132
EFN84308.1 hypothetical protein EAI_10098
EFN80412.1 hypothetical protein EAI_14763
EFN76041.1 hypothetical protein EAI_16144
EFN81575.1 hypothetical protein EAI_17384
XP_003648446.1 hypothetical protein Ecym_8356
EJW02257.1 hypothetical protein EDEG_03308
EHH14264.1 hypothetical protein EGK_00157
EHH14597.1 hypothetical protein EGK_00551
EHH15801.1 hypothetical protein EGK_01948
EHH15925.1 hypothetical protein EGK_02099, partial
EHH21172.1 hypothetical protein EGK_04175
EHH21464.1 hypothetical protein EGK_04537, partial
EHH22477.1 hypothetical protein EGK_05753
EHH24166.1 hypothetical protein EGK_07776, partial
EHH24812.1 hypothetical protein EGK_08535, partial
EHH25306.1 hypothetical protein EGK_09104
EHH29163.1 hypothetical protein EGK_09512
EHH29843.1 hypothetical protein EGK_10359
EHH16205.1 hypothetical protein EGK_11457, partial
EHH16600.1 hypothetical protein EGK_11903
EHH16799.1 hypothetical protein EGK_12147
EHH25996.1 hypothetical protein EGK_15872
EHH26536.1 hypothetical protein EGK_16539
EHH26936.1 hypothetical protein EGK_17022
EHH28536.1 hypothetical protein EGK_18992, partial
EHH28686.1 hypothetical protein EGK_19176
EHH19086.1 hypothetical protein EGK_19729
EHH30650.1 hypothetical protein EGK_20401
EHH50067.1 hypothetical protein EGM_00832, partial
EHH50224.1 hypothetical protein EGM_01017
EHH50347.1 hypothetical protein EGM_01160
EHH50543.1 hypothetical protein EGM_01395
EHH50900.1 hypothetical protein EGM_01799
EHH65383.1 hypothetical protein EGM_02132

EHH54870.1	hypothetical protein EGM_03968, partial
EHH55013.1	hypothetical protein EGM_04138
EHH55503.1	hypothetical protein EGM_04722
EHH58507.1	hypothetical protein EGM_08375
EHH58525.1	hypothetical protein EGM_08394, partial
EHH58911.1	hypothetical protein EGM_08878
EHH59438.1	hypothetical protein EGM_09553, partial
EHH52957.1	hypothetical protein EGM_13502
EHH53172.1	hypothetical protein EGM_13753
EHH53285.1	hypothetical protein EGM_13895, partial
EHH54486.1	hypothetical protein EGM_15344
EHH54586.1	hypothetical protein EGM_15457
EHH62915.1	hypothetical protein EGM_15770
EHH63033.1	hypothetical protein EGM_15919
EHH63178.1	hypothetical protein EGM_16092
EHH63589.1	hypothetical protein EGM_16588
EHH63958.1	hypothetical protein EGM_17047
EHH65101.1	hypothetical protein EGM_18447, partial
EHH61794.1	hypothetical protein EGM_19892
AAQ91237.1	hypothetical protein FLJ14075-like protein
AAQ97984.1	hypothetical protein FLJ23790
EGU72738.1	hypothetical protein FOXB_16753
EKX46974.1	hypothetical protein GUITHDRAFT_107323
EKX48022.1	hypothetical protein GUITHDRAFT_136983
EKX32187.1	hypothetical protein GUITHDRAFT_82550, partial
EHA99268.1	hypothetical protein GW7_04346
EHB00768.1	hypothetical protein GW7_08407
EHB18463.1	hypothetical protein GW7_08827, partial
EHB14956.1	hypothetical protein GW7_17005
EGW12472.1	hypothetical protein I79_022351
XP_002405241.1	hypothetical protein IscW_ISCW002877
XP_002406647.1	hypothetical protein IscW_ISCW024052
XP_002399672.1	hypothetical protein IscW_ISCW024214
EHJ63953.1	hypothetical protein KGM_00631
EHJ69833.1	hypothetical protein KGM_03373
EHJ66079.1	hypothetical protein KGM_06543
EHJ77471.1	hypothetical protein KGM_07467
EHJ71273.1	hypothetical protein KGM_11844
EHJ73717.1	hypothetical protein KGM_17712
EHJ70906.1	hypothetical protein KGM_19759
EHJ65351.1	hypothetical protein KGM_20235
YP_004644939.1	hypothetical protein KNP414_06548
XP_001642290.1	hypothetical protein KpoI_234p2
XP_001642648.1	hypothetical protein KpoI_378p1
NP_710690.1	hypothetical protein LA_0509
XP_001526163.1	hypothetical protein LELG_02721
NP_965614.1	hypothetical protein LJ0641
NP_965518.1	hypothetical protein LJ1711
XP_003140887.1	hypothetical protein LOAG_05302
NP_956702.1	hypothetical protein LOC393380
NP_001070813.2	hypothetical protein LOC497149
AAI21543.1	hypothetical protein LOC548765
EAW76817.1	hypothetical protein LOC55610, isoform b, isoform CRA_c
NP_001070050.1	hypothetical protein LOC767642
AAH76420.1	Hypothetical protein LOC794796
ELR55019.1	hypothetical protein M91_00313, partial
ELR54365.1	hypothetical protein M91_01105, partial
ELR58424.1	hypothetical protein M91_02228, partial
ELR57344.1	hypothetical protein M91_03782
ELR58510.1	hypothetical protein M91_05513, partial
ELR52737.1	hypothetical protein M91_06975, partial
EFY93936.1	hypothetical protein MAC_00427
YP_006815476.1	hypothetical protein MC28_D187
EAW70230.1	hypothetical protein MGC39518, isoform CRA_a
XP_001729796.1	hypothetical protein MGL_2782
YP_003049797.1	hypothetical protein Msip34_0021
XP_003848591.1	hypothetical protein MYCGRDRAFT_111278
EGO53072.1	hypothetical protein NEUTE1DRAFT_92020
ELK17662.1	hypothetical protein PAL_GLEAN10009404
ELK11766.1	hypothetical protein PAL_GLEAN10010513
ELK16177.1	hypothetical protein PAL_GLEAN10017656
ELK01090.1	hypothetical protein PAL_GLEAN10020691
EFB26145.1	hypothetical protein PANDA_000131
EFB15792.1	hypothetical protein PANDA_001527
EFB20581.1	hypothetical protein PANDA_001712
EFB22292.1	hypothetical protein PANDA_002902
EFB16684.1	hypothetical protein PANDA_003998
EFB20171.1	hypothetical protein PANDA_004456
EFB26822.1	hypothetical protein PANDA_005115

EFB26393.1	hypothetical protein PANDA_005681
EFB25246.1	hypothetical protein PANDA_006223
EFB13192.1	hypothetical protein PANDA_007831
EFB17218.1	hypothetical protein PANDA_007879
EFB18860.1	hypothetical protein PANDA_008833
EFB29297.1	hypothetical protein PANDA_011328
EFB24842.1	hypothetical protein PANDA_011807
EFB25684.1	hypothetical protein PANDA_011912
EFB16318.1	hypothetical protein PANDA_012944
EFB16281.1	hypothetical protein PANDA_013335
EFB25456.1	hypothetical protein PANDA_013546
EFB23489.1	hypothetical protein PANDA_016810
EFB23493.1	hypothetical protein PANDA_016815
EFB22416.1	hypothetical protein PANDA_016931
EFB30187.1	hypothetical protein PANDA_017039
EFB22039.1	hypothetical protein PANDA_019239
EFB17700.1	hypothetical protein PANDA_019669
EFB21560.1	hypothetical protein PANDA_020762
EFB23117.1	hypothetical protein PANDA_021003
EFB19446.1	hypothetical protein PANDA_021081
EFB24154.1	hypothetical protein PANDA_021359
EFB12899.1	hypothetical protein PANDA_022213
GAB66425.1	hypothetical protein PCYB_092110
EKV07300.1	hypothetical protein PDIG_73380
EKV06108.1	hypothetical protein PDIG_78860
NP_665952.1	hypothetical protein PhiCh1p35
NP_245528.1	hypothetical protein PM0591
XP_002788646.1	hypothetical protein Pmar_PMAR010183
XP_002780310.1	hypothetical protein Pmar_PMAR019211
EGD83176.1	hypothetical protein PTSG_03807
YP_001433281.1	hypothetical protein Rcas_3209
CAG31913.1	hypothetical protein RCJMB04_13j3
CAG31330.1	hypothetical protein RCJMB04_5c4
CAG31578.1	hypothetical protein RCJMB04_8d24
YP_007057460.1	hypothetical protein Riv7116_4492
YP_004691224.1	hypothetical protein RLO149_c022880
EIE75583.1	hypothetical protein RO3G_00287
EIE75975.1	hypothetical protein RO3G_00679
EIE75977.1	hypothetical protein RO3G_00681
EIE76606.1	hypothetical protein RO3G_01310
EIE76948.1	hypothetical protein RO3G_01652
EIE76995.1	hypothetical protein RO3G_01699
EIE77252.1	hypothetical protein RO3G_01956
EIE77255.1	hypothetical protein RO3G_01959
EIE77985.1	hypothetical protein RO3G_02689
EIE78141.1	hypothetical protein RO3G_02845
EIE78408.1	hypothetical protein RO3G_03112
EIE78849.1	hypothetical protein RO3G_03554
EIE78866.1	hypothetical protein RO3G_03571
EIE78889.1	hypothetical protein RO3G_03594
EIE78894.1	hypothetical protein RO3G_03599
EIE79081.1	hypothetical protein RO3G_03786
EIE79977.1	hypothetical protein RO3G_04682
EIE80726.1	hypothetical protein RO3G_05431
EIE80930.1	hypothetical protein RO3G_05635
EIE81718.1	hypothetical protein RO3G_06423
EIE83002.1	hypothetical protein RO3G_07707
EIE83083.1	hypothetical protein RO3G_07788
EIE83168.1	hypothetical protein RO3G_07873
EIE84136.1	hypothetical protein RO3G_08846
EIE84137.1	hypothetical protein RO3G_08847
EIE84488.1	hypothetical protein RO3G_09198
EIE84832.1	hypothetical protein RO3G_09542
EIE84897.1	hypothetical protein RO3G_09607
EIE85510.1	hypothetical protein RO3G_10220
EIE85525.1	hypothetical protein RO3G_10235
EIE85827.1	hypothetical protein RO3G_10537
EIE86061.1	hypothetical protein RO3G_10772
EIE86569.1	hypothetical protein RO3G_11280
EIE86570.1	hypothetical protein RO3G_11281
EIE86690.1	hypothetical protein RO3G_11401
EIE86856.1	hypothetical protein RO3G_11567
EIE87948.1	hypothetical protein RO3G_12659
EIE87961.1	hypothetical protein RO3G_12672
EIE88243.1	hypothetical protein RO3G_12954
EIE88575.1	hypothetical protein RO3G_13286
EIE88584.1	hypothetical protein RO3G_13295
EIE89023.1	hypothetical protein RO3G_13734
EIE89137.1	hypothetical protein RO3G_13848

EIE89147.1 hypothetical protein RO3G_13858
EIE89208.1 hypothetical protein RO3G_13919
EIE89849.1 hypothetical protein RO3G_14560
EIE90261.1 hypothetical protein RO3G_14972
EIE90455.1 hypothetical protein RO3G_15166
EIE90871.1 hypothetical protein RO3G_15582
EIE91717.1 hypothetical protein RO3G_16428
EIE91840.1 hypothetical protein RO3G_16551
EIE91988.1 hypothetical protein RO3G_16699
EIE92016.1 hypothetical protein RO3G_16727
EIE92118.1 hypothetical protein RO3G_16829
EIE92193.1 hypothetical protein RO3G_16904
EIE92331.1 hypothetical protein RO3G_17202
EIE92644.1 hypothetical protein RO3G_17355
EIE92697.1 hypothetical protein RO3G_17408
YP_004966058.1 hypothetical protein SBI_07807
EGO01170.1 hypothetical protein SERLA73DRAFT_72140
EFZ22101.1 hypothetical protein SINV_06440
CCD60314.1 hypothetical protein Smp_107700
XP_002464561.1 hypothetical protein SORBIDRAFT_01g020840
XP_002450635.1 hypothetical protein SORBIDRAFT_05g008466
XP_001595057.1 hypothetical protein SS1G_03145
XP_001589809.1 hypothetical protein SS1G_09531
YP_003134534.1 hypothetical protein Svir_27250
XP_004182720.1 hypothetical protein TBLA_0J02065, partial
EEZ99467.1 hypothetical protein TcasGA2_TC000033
EEZ98274.1 hypothetical protein TcasGA2_TC000717
EFA10902.1 hypothetical protein TcasGA2_TC001728
EFA10906.1 hypothetical protein TcasGA2_TC001732
EFA10910.1 hypothetical protein TcasGA2_TC001736
EFA12602.1 hypothetical protein TcasGA2_TC001842
EEZ99596.1 hypothetical protein TcasGA2_TC002110
EEZ99611.1 hypothetical protein TcasGA2_TC002128
EFA12395.1 hypothetical protein TcasGA2_TC002157
EFA07700.1 hypothetical protein TcasGA2_TC002176
EFA07723.1 hypothetical protein TcasGA2_TC002201
EFA13434.1 hypothetical protein TcasGA2_TC002229
EFA12170.1 hypothetical protein TcasGA2_TC002321
EEZ99812.1 hypothetical protein TcasGA2_TC002592
EEZ99875.1 hypothetical protein TcasGA2_TC002657
EFA00958.1 hypothetical protein TcasGA2_TC003868
EFA13499.1 hypothetical protein TcasGA2_TC004258
EFA12209.1 hypothetical protein TcasGA2_TC005125
EFA13393.1 hypothetical protein TcasGA2_TC005142
EFA11766.1 hypothetical protein TcasGA2_TC005197
EFA11829.1 hypothetical protein TcasGA2_TC005278
EFA08431.1 hypothetical protein TcasGA2_TC006078
EFA13187.1 hypothetical protein TcasGA2_TC006862
EFA13071.1 hypothetical protein TcasGA2_TC006870
EFA02765.1 hypothetical protein TcasGA2_TC008498
EFA06074.1 hypothetical protein TcasGA2_TC008910
EFA06521.1 hypothetical protein TcasGA2_TC009424
EFA12462.1 hypothetical protein TcasGA2_TC010609
EFA13046.1 hypothetical protein TcasGA2_TC010748
EFA13049.1 hypothetical protein TcasGA2_TC010751
EEZ97442.1 hypothetical protein TcasGA2_TC011273
EFA13084.1 hypothetical protein TcasGA2_TC011584
EFA11986.1 hypothetical protein TcasGA2_TC011599
EEZ97618.1 hypothetical protein TcasGA2_TC012952
EEZ97620.1 hypothetical protein TcasGA2_TC012954
EFA13101.1 hypothetical protein TcasGA2_TC012970
EFA13300.1 hypothetical protein TcasGA2_TC014830
EEZ97640.1 hypothetical protein TcasGA2_TC016088
EFA12407.1 hypothetical protein TcasGA2_TC016409
ELW62701.1 hypothetical protein TREES_T100003116
ELV09284.1 hypothetical protein TREES_T100006039
ELW68730.1 hypothetical protein TREES_T100007247
ELW68942.1 hypothetical protein TREES_T100012980
ELW65335.1 hypothetical protein TREES_T100014006
ELW70881.1 hypothetical protein TREES_T100015807, partial
EHK17927.1 hypothetical protein TRIVIDRAFT_231727, partial
ELA46947.1 hypothetical protein VCUG_01566
CAN80132.1 hypothetical protein VITISV_012031
CAN60430.1 hypothetical protein VITISV_021534
CAN78089.1 hypothetical protein VITISV_042921
XP_002951091.1 hypothetical protein VOLCADRAFT_104948
XP_002952489.1 hypothetical protein VOLCADRAFT_47984
XP_002952542.1 hypothetical protein VOLCADRAFT_62572
XP_002959850.1 hypothetical protein VOLCADRAFT_71871

XP_002950957.1 hypothetical protein VOLCADRAFT_91473
 YP_006307271.1 hypothetical protein W7S_17915
 ACO09892.1 Hypothetical protein yw1C
 YP_003226159.1 hypothetical protein Za10_1030
 AFW76383.1 hypothetical protein ZEAMMB73_371716, partial
 CBH09481.1 hypothetical protein, conserved
 CCD18005.1 hypothetical protein, conserved in *T. vivax*
 ADD10952.1 hypothetical protein, partial
 CCA83758.1 hypothetical protein, Pentapeptide repeat domains
 CAJ87511.1 hypothetical vitamin D receptor
 NP_001002056.1 hypoxanthine phosphoribosyltransferase 1, like
 NP_001187366.1 hypoxanthine-guanine phosphoribosyltransferase
 NP_001187230.1 hypoxia induced factor 1 alpha
 NP_001187141.1 hypoxia induced factor-like factor
 AAQ91619.1 hypoxia inducible factor 1 alpha
 ADC55887.1 hypoxia inducible factor-1alpha
 NP_997868.1 hypoxia up-regulated protein 1 precursor
 ABO26713.1 hypoxia-inducible factor 1 alpha
 NP_001012371.1 hypoxia-inducible factor 1, alpha subunit, like 2
 ADF50044.1 hypoxia-inducible factor 2 alpha
 AFD32324.1 hypoxia-inducible factor 2 alpha B, partial
 ADD59898.1 hypoxia-inducible factor 3 alpha
 ADW54534.1 hypoxia-inducible factor-1alpha
 AAO23957.1 HZGJ
 AAH95279.1 Iah1 protein
 YP_006815561.1 Ice nucleation protein
 ADO28294.1 ictacalcin
 AAI53922.1 Idh1 protein
 AAI50229.1 Idh3g protein
 ABK59973.1 iduronate 2-sulfatase
 NP_001073537.1 iduronate 2-sulfatase precursor
 AAA56684.1 Ig heavy chain V region, partial
 ACI67859.1 Ig kappa chain V region I20
 ACI66797.1 Ig kappa chain V region K29-213
 ACI66103.1 Ig kappa chain V-I region Walker precursor
 ACO14102.1 Ig kappa chain V-III region MOPC 63 precursor
 ACI69240.1 Ig kappa chain V-III region VG precursor
 ACO14194.1 Ig kappa chain V-IV region B17 precursor
 ACI67777.1 Ig kappa chain V-IV region precursor
 ADO28396.1 IG lambda chain v-ii region nIG-84
 ACI33433.1 Ig mu chain C region
 ACI33025.1 Ig mu chain C region membrane-bound form
 NP_001187223.1 IgE receptor gamma
 AAI63581.1 Igf1rb protein
 NP_001187128.1 IGF2
 ABM88866.1 IGF2 mRNA-binding protein 1
 ADM93277.1 IGF-binding protein 5.1
 ABR66915.1 IGFI receptor A
 AAN52151.1 IGF-I receptor subtype a
 AAN52152.1 IGF-I receptor subtype b
 ABZ89744.1 IGF-II mRNA-binding protein 2a
 ACR61401.1 IGF-II mRNA-binding protein 2a variant B
 AAH56302.1 Ighm protein
 AAI71648.1 Ighmbp2l protein
 NP_001017775.2 igLON family member 5 precursor
 AAH91820.1 Ikbkg protein, partial
 ADK47101.1 IKKbeta
 AFL93442.1 IL-1 beta
 NP_001233279.1 IL-10b protein precursor
 AAI63933.1 I117rd protein
 AEJ36293.1 IL-1Ra protein
 ACJ02096.1 IL-21
 NP_001233265.1 IL-4 receptor-2 precursor
 NP_001165325.1 IL-6 subfamily member ciliary neurotrophic factor-like
 AAM52337.1 IL-6 subfamily-like cytokine M17
 ABD49206.1 IL-8
 NP_956652.1 ileal sodium/bile acid cotransporter
 AAH56518.1 Im:6805837 protein
 AAI42787.1 Im:6894757 protein
 NP_001157278.1 im:6895556
 AAH71437.1 Im:6899804 protein, partial
 AAH77125.1 Im:6903726 protein
 AAH76425.1 Im:6906849 protein, partial
 AAH90751.1 Im:6912380 protein, partial
 AAH91653.1 Im:7138239 protein
 AAI24078.1 Im:7138535 protein
 AAI34837.1 Im:7138580 protein
 AAH90794.1 Im:7143453 protein
 AAH93255.1 Im:7143923 protein, partial

AAI34068.1 Im:7146988 protein
AAH92165.1 Im:7147241 protein
AAH91832.1 Im:7148034 protein, partial
AAI54662.1 Im:7148400 protein
AAH90780.1 Im:7149000 protein
AAH91841.1 Im:7149628 protein, partial
AAI39858.1 Im:7150662 protein
AAI55575.1 Im:7158173 protein
AAI55546.1 Im:7158730 protein
NP_001136055.1 immediate early response 2
AAH66470.1 Immediate early response 5-like
NP_001007198.1 immediate early response gene 5 protein
AAY56360.1 immune receptor expressed on myeloid cells 3
NP_001035139.1 immune-related, lectin-like receptor 1
NP_001121843.1 immune-related, lectin-like receptor 2
AAI63144.1 Immune-related, lectin-like receptor 3
ADD59859.1 immunoglobulin tau-5 heavy chain constant region
NP_001070079.1 immunity-related GTPase family, f4
NP_001038275.1 immunity-related GTPase family, q2
ABX71625.1 immunodominant surface protein gp36
NP_001103943.1 immunoglobulin superfamily, member 21b precursor
ADB81844.1 immunoglobulin delta heavy chain membrane bound form, partial
CAB38073.1 immunoglobulin heavy chain
ACD38452.1 immunoglobulin heavy chain variable region
ABB71023.1 immunoglobulin heavy chain variable region, partial
CAB44578.1 immunoglobulin light chain
AAA82595.1 immunoglobulin light chain F class
ACG70845.1 immunoglobulin light chain lambda 1
ACH56973.1 immunoglobulin light chain lambda V1-1*02
ACG70844.2 immunoglobulin light chain sigma 1
AFC88124.1 immunoglobulin light chain variable region
AEH84415.1 immunoglobulin M heavy chain
ADD82654.1 immunoglobulin mu heavy chain
AFF57194.1 immunoglobulin superfamily 11
NP_001013541.1 immunoglobulin superfamily containing leucine-rich repeat protein 2 precursor
CBN80692.1 Immunoglobulin superfamily member 21
NP_001153138.1 immunoglobulin superfamily member 3 precursor
ACI67485.1 Immunoglobulin superfamily member 6 precursor
NP_996982.1 immunoglobulin superfamily member 8 precursor
AAU06724.1 immunoglobulin zeta heavy chain
NP_998687.1 immunoglobulin-binding protein 1
CBN80727.1 Immunoglobulin-like and fibronectin type III domain-containing protein 1
NP_001004642.1 immunoglobulin-like domain containing receptor 1b precursor
NP_001025363.1 immunoglobulin-like domain-containing receptor 2
NP_001071075.1 immunoresponsive gene 1, like
NP_001082410.1 IMP (inosine 5'-monophosphate) dehydrogenase 2
AES00238.1 IMP dehydrogenase 2, partial
NP_001133077.1 Impact-like
AAI29157.1 Importin 9
NP_001094405.1 importin alpha 4 protein
CBN81977.1 Importin subunit alpha-1
NP_001133633.1 Importin subunit alpha-2
NP_001032791.2 importin subunit beta-1
NP_001153133.1 importin-11 isoform 1
NP_001002302.1 importin-11 isoform 2
CBN81817.1 Importin-4
NP_001139076.1 importin-5
NP_957199.2 importin-7
NP_001037799.2 importin-8
NP_998704.1 importin-9
CBN81552.1 Inactive carboxypeptidase-like protein X2
NP_001252927.1 inactive dipeptidyl peptidase 10
NP_001002228.1 inactive rhomboid protein 1
NP_001002212.1 inactive serine protease 35 precursor
ELW66020.1 Inactive tyrosine-protein kinase 7
CBN81593.1 Inactive ubiquitin carboxyl-terminal hydrolase 54
NP_001082999.1 inactive Ufm1-specific protease 1
EGW01031.1 InaD-like protein
NP_001030165.2 Indian hedgehog homolog a precursor
AAY68016.1 indian hedgehog precursor
AEM97828.1 indoleamine 2,3-dioxygenase
NP_001077323.1 indoleamine 2,3-dioxygenase 2
CCF23009.1 inducible heat shock protein 70
ADT78701.1 inducible nitric oxide synthase
AAX85387.1 inducible nitric oxide synthase form B
NP_954973.2 influenza virus NS1A-binding protein homolog A
NP_001038669.1 inhibin alpha chain precursor
NP_570991.1 inhibin, beta A precursor
NP_001187106.1 inhibitor of apoptosis protein-1

NP_001035446.1 inhibitor of growth protein 1
 NP_001002448.1 inhibitor of growth protein 2
 NP_957231.1 inhibitor of growth protein 3
 NP_001018304.1 inhibitor of growth protein 4
 ACO13871.1 Inhibitor of growth protein 5
 ABO40445.1 inhibitor of nuclear factor kappa B alpha
 NP_001116737.1 inhibitor of nuclear factor kappa-B kinase subunit beta
 NP_001038329.1 inner nuclear membrane protein Man1
 NP_001038584.1 INO80 complex homolog 1
 ELK36552.1 INO80 complex subunit C
 NP_001074057.1 INO80 complex subunit D-B
 NP_991199.1 INO80 complex subunit E
 NP_001017833.1 inorganic pyrophosphatase
 ACI67039.1 Inorganic pyrophosphatase 2, mitochondrial precursor
 NP_001134635.1 Inosine triphosphate pyrophosphatase
 EHB05092.1 Inosine-5'-monophosphate dehydrogenase 1
 NP_001158844.1 Inosine-5'-monophosphate dehydrogenase 1
 NP_001002177.1 inosine-5'-monophosphate dehydrogenase 1a
 NP_001135158.1 inosine-5'-monophosphate dehydrogenase 2
 ABP88141.1 inositol (1,4,5) trisphosphate receptor type 2
 AAY79345.1 inositol 1,3,4,5,6-pentakisphosphate 2-kinase
 CBN80986.1 Inositol 1,4,5-trisphosphate receptor type 1
 NP_001017872.1 inositol 1,4,5-trisphosphate receptor-interacting protein precursor
 NP_958878.1 inositol hexaphosphate kinase 2
 CBN82128.1 Inositol monophosphatase
 NP_001002745.1 inositol monophosphatase 1
 NP_001018408.1 inositol monophosphatase 2
 NP_001032657.1 inositol monophosphatase 3
 ACQ58391.1 Inositol oxygenase
 NP_001071232.1 inositol polyphosphate 5-phosphatase OCRL-1
 NP_001073533.1 inositol polyphosphate multikinase
 NP_001034224.2 inositol polyphosphate phosphatase-like 1
 AAI14331.1 Inositol polyphosphate-4-phosphatase, type I
 NP_001082962.2 inositol polyphosphate-5-phosphatase K
 AER39749.1 inositol-3-phosphate synthase
 NP_001014346.1 inositol-pentakisphosphate 2-kinase
 BAL14279.1 inositol-requiring 1 alpha
 NP_998182.1 inositol-tetrakisphosphate 1-kinase
 NP_001134938.1 Inositol-trisphosphate 3-kinase A
 ELR58138.1 Insulin enhancer protein ISL-1, partial
 NP_571045.1 insulin gene enhancer protein isl-2a
 ELK12174.1 Insulin protein enhancer protein ISL-1
 AAC16490.1 insulin receptor a
 NP_001136144.1 insulin receptor a precursor
 NP_001116701.1 insulin receptor b precursor
 NP_956609.1 insulin receptor substrate 2
 ADO27989.1 insulin-induced gene 2 protein
 NP_001032758.1 insulin-like 5a precursor
 AEZ02841.1 insulin-like growth factor 1 receptor, partial
 AAI63723.1 Insulin-like growth factor 1a receptor
 NP_694500.1 insulin-like growth factor 1a receptor precursor
 NP_571566.1 insulin-like growth factor 2 mRNA-binding protein 3
 ADO16599.1 insulin-like growth factor 3 transcript variant 2
 NP_001187237.1 insulin-like growth factor binding protein 1 precursor
 ACN41862.1 insulin-like growth factor binding protein 2
 NP_001187185.1 insulin-like growth factor binding protein 3 precursor
 AAM51549.1 insulin-like growth factor binding protein 5
 NP_001092224.1 insulin-like growth factor binding protein 5b precursor
 NP_001154873.1 insulin-like growth factor binding protein 6a precursor
 NP_001154874.2 insulin-like growth factor binding protein 6b precursor
 AEB96249.1 insulin-like growth factor binding protein-1
 ADO27799.1 insulin-like growth factor II
 ABR66914.1 insulin-like growth factor II receptor
 NP_001152990.1 insulin-like growth factor-binding protein 7 isoform 1 precursor
 NP_955952.1 insulinoma-associated 1
 NP_991207.1 insulinoma-associated 1a
 AAC00047.1 Int-6/MMTV LTR product, partial
 NP_001133298.1 Integral membrane protein 2A
 NP_955940.1 integral membrane protein 2B
 ACI33634.1 Integral membrane protein 2C
 NP_001007434.1 integral membrane protein GPR137C
 NP_001133977.1 Integral membrane protein GPR177
 EHB12923.1 Integrator complex subunit 1
 NP_997804.1 integrator complex subunit 10
 NP_001018457.1 integrator complex subunit 11
 NP_001002161.2 integrator complex subunit 12
 NP_001018378.2 integrator complex subunit 2
 NP_001038397.1 integrator complex subunit 3
 NP_956728.1 integrator complex subunit 6

NP_775374.1 integrator complex subunit 7
 NP_001018592.2 integrator complex subunit 8
 NP_001070738.1 integrator complex subunit 9
 AAV65699.1 integrin alpha 11 subunit, partial
 AAS89306.1 integrin alpha 5
 CAA49527.1 integrin alpha 6 subunit precursor
 NP_001017908.2 integrin alpha FG-GAP repeat containing 2
 AAV66421.1 integrin alpha V subunit
 ELW62363.1 Integrin alpha-11
 CBN81252.1 Integrin alpha-3
 NP_001004288.2 integrin alpha-5 precursor
 CBN80857.1 Integrin alpha-7 Integrin alpha-7 heavy chain Integrin alpha-7 light chain
 NP_001003857.1 integrin alpha-IIb
 CBN81367.1 Integrin alpha-M
 NP_001028893.1 integrin alpha-V precursor
 AAI63266.1 Integrin beta 3a
 AAI63207.1 Integrin beta 3b
 ACT68325.1 integrin beta1
 ACN11424.1 Integrin beta-1 precursor
 BAB39130.1 integrin beta2-chain
 CBN81457.1 Integrin beta-3
 NP_001076417.1 integrin beta-3 precursor
 ELW47107.1 Integrin beta-6
 EHB17685.1 Integrin beta-like protein 1
 NP_001019243.1 integrin beta-like protein 1 precursor
 NP_001166098.1 integrin, alpha 1a precursor
 AAI63305.1 Integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B)
 NP_001177238.1 integrin, alpha 3b precursor
 AAI63501.1 Integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
 AFJ50373.1 Integrin, alpha 6
 NP_001013466.1 integrin, alpha 6b precursor
 NP_113956.2 integrin, alpha E precursor
 AAI63566.1 Integrin, alpha V
 NP_001030143.1 integrin, beta 1a precursor
 NP_001030159.1 integrin, beta 1b precursor
 NP_001019557.1 integrin, beta 4 precursor
 NP_001082973.2 integrin-linked kinase-associated serine/threonine phosphatase 2C
 ABW07848.1 interlectin 1
 ABW07849.1 interlectin 2
 NP_001133259.1 Interactor protein for cytohesin exchange factors 1
 ACO51209.1 inter-alpha (globulin) inhibitor H2
 NP_001028276.1 inter-alpha (globulin) inhibitor H3 precursor
 CAC27151.2 inter-alpha-trypsin inhibitor heavy chain 2
 ADX97193.1 inter-alpha-trypsin inhibitor heavy chain h2
 NP_001020335.1 inter-alpha-trypsin inhibitor heavy chain H4 precursor
 NP_001187146.1 interferon gamma 1 precursor
 NP_001187263.1 interferon gamma 2b precursor
 NP_001006057.1 interferon gamma inducible protein 30 precursor
 NP_001129451.2 interferon gamma receptor 1 precursor
 ACV41809.1 interferon gamma receptor 1-2
 NP_001187096.1 interferon induced protein 2
 NP_001193352.1 interferon kappa
 NP_001184131.1 interferon lambda receptor 1 precursor
 NP_001104553.1 interferon phi 3 precursor
 AAO18646.1 interferon regulator factor 7
 NP_991310.1 interferon regulatory factor 1
 ACT83676.1 interferon regulatory factor 10
 NP_001035442.1 interferon regulatory factor 1a
 AFV99156.1 interferon regulatory factor 2
 NP_001037819.2 interferon regulatory factor 2-binding protein 1
 NP_001133325.1 Interferon regulatory factor 2-binding protein 2-A
 NP_001137376.1 interferon regulatory factor 3
 NP_001116182.1 interferon regulatory factor 4
 ACT83674.1 interferon regulatory factor 5
 NP_956892.1 interferon regulatory factor 6
 NP_001002622.1 interferon regulatory factor 8
 NP_001007285.1 interferon-induced GTP-binding protein MxC
 ACN11353.1 Interferon-induced guanylate-binding protein 1
 NP_001177393.1 interferon-induced protein with tetratricopeptide repeats 5-like
 NP_001170783.1 interferon-induced transmembrane protein 5
 NP_001107942.1 interferon-induced, double-stranded RNA-activated protein kinase
 NP_001082830.1 interferon-inducible double stranded RNA-dependent protein kinase activator A homolog
 ABW94983.1 interferon-inducible GTPase_a
 ABW94984.1 interferon-inducible GTPase_b
 AAP42145.1 interferon-inducible protein IFI58
 NP_001070023.1 interferon-related developmental regulator 1
 NP_001003621.1 interferon-related developmental regulator 2
 NP_001117024.1 interleukin 1 receptor accessory protein precursor
 NP_001074109.1 interleukin 1 receptor-like 1 ligand precursor

AAI21765.1 Interleukin 12Ba (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)

NP_001009558.1 interleukin 15, like isoform A

NP_001117871.1 interleukin 17 isoform D precursor

NP_001093473.1 interleukin 17A receptor precursor

NP_001018623.1 interleukin 17a/f1 precursor

NP_001018626.1 interleukin 17a/f3 precursor

NP_001006699.1 interleukin 17B precursor

NP_001018624.1 interleukin 17c precursor

NP_001121743.1 interleukin 2 receptor, gamma a precursor

NP_001116522.1 interleukin 2 receptor, gamma b precursor

NP_001106978.1 interleukin 23 receptor

NP_001018635.1 interleukin 26 precursor

NP_001248378.1 interleukin 6 (interferon, beta 2) precursor

NP_001106979.2 interleukin 7 receptor precursor

NP_001025236.1 interleukin enhancer binding factor 3a

AFK84018.1 interleukin enhancer binding factor 3-like protein

NP_001135193.1 interleukin enhancer-binding factor 3 homolog

NP_001071044.1 interleukin-1 receptor accessory protein-like 1-A precursor

NP_001136054.1 interleukin-1 receptor accessory protein-like 1-B precursor

NP_001117868.2 interleukin-1 receptor antagonist

CAH59195.2 interleukin-1 receptor I

NP_001117832.1 interleukin-1 receptor type 1 precursor

AES00356.1 interleukin-1 receptor-associated kinase 1 binding protein 1, partial

NP_001018607.1 interleukin-1 receptor-associated kinase 1-binding protein 1 homolog

NP_001188114.1 interleukin-1 receptor-associated kinase 4

NP_001117105.1 interleukin-1 receptor-like protein precursor

AER13455.1 interleukin-10 receptor 1

NP_001077337.1 interleukin-10 receptor subunit beta precursor

CAG14936.1 interleukin-11

ABD46706.1 interleukin-12 p35 chain

CAE45012.1 interleukin-12 p35 subunit

CAF32323.1 interleukin-12 p40b subunit

NP_001106977.1 interleukin-12 receptor subunit beta-2

NP_001133641.1 Interleukin-13 receptor alpha-2 chain precursor

NP_001107203.1 interleukin-13 receptor subunit alpha-2 precursor

NP_001158836.1 Interleukin-17 receptor A precursor

ELW63495.1 Interleukin-17 receptor C

NP_705946.1 interleukin-17 receptor D precursor

NP_001121739.1 interleukin-2 receptor subunit beta precursor

NP_001076424.1 interleukin-20

NP_001106982.1 interleukin-21 receptor precursor

CBM41294.1 Interleukin-23 p19

NP_001106980.1 interleukin-27 subunit beta precursor

NP_001167441.1 Interleukin-31 receptor A precursor

BAM75187.1 interleukin-34

NP_001133565.1 Interleukin-4 receptor alpha chain precursor

NP_001107790.1 interleukin-6 receptor subunit alpha

NP_001106976.1 interleukin-6 receptor subunit beta precursor

ACW83267.1 interleukin-6 signal transducer

ADJ53042.1 interleukin-8 precursor

ABM66445.1 interleukin-8 receptor CXCR1

NP_571107.1 internexin neuronal intermediate filament protein, alpha b

NP_001138272.1 intersectin 2a

NP_997065.1 intersectin-1

NP_001003547.2 intersectin-2

ADF28555.1 intestinal fatty acid binding protein 2b

ABV82968.1 intestinal peptide transporter

NP_001014375.1 intestinal-type alkaline phosphatase precursor

NP_001006022.1 intracellular hyaluronan-binding protein 4

EAX00575.1 intraflagellar transport 172 homolog (Chlamydomonas), isoform CRA_e

ACO09308.1 Intraflagellar transport 52 homolog

NP_001016062.1 intraflagellar transport 74 homolog

EDL15501.1 intraflagellar transport 80 homolog (Chlamydomonas), isoform CRA_b

AAI63882.1 Intraflagellar transport 81 homolog

NP_998055.1 intraflagellar transport protein 122 homolog

ELK34385.1 Intraflagellar transport protein 122 like protein

EHB14303.1 Intraflagellar transport protein 122-like protein

ELW67792.1 Intraflagellar transport protein 140 like protein

NP_001002312.1 intraflagellar transport protein 172 homolog

ELW52378.1 Intraflagellar transport protein 27 like protein

NP_001001834.2 intraflagellar transport protein 52 homolog

NP_001001832.1 intraflagellar transport protein 57 homolog

NP_001092429.1 intraflagellar transport protein 80 homolog

ELR50042.1 Intraflagellar transport protein 80-like protein

NP_001002313.1 intraflagellar transport protein 81 homolog

AAX56966.1 intraflagellar transport protein 88

NP_001001725.1 intraflagellar transport protein 88 homolog

NP_956758.2 intron-binding protein aquarius

BAC53767.1 invariant chain like protein 1

NP_694502.1 inversin
 AAI62518.1 Invs protein
 NP_001039014.1 inward rectifier potassium channel 13
 ADC80775.1 iodothyronine deiodinase type III, partial
 ACQ57841.1 Iodotyrosine dehalogenase 1 precursor
 AAI55061.1 Ipo7 protein
 NP_001073437.2 IQ and AAA domain-containing protein-like
 CBN80626.1 IQ motif and SEC7 domain-containing protein 1
 AFJ70460.1 IQ motif and SEC7 domain-containing protein 3 isoform 2
 AFE74539.1 IQ motif and SEC7 domain-containing protein 3 isoform 2, partial
 NP_001008622.1 IQ motif containing B1
 NP_001139093.1 IQ motif containing C
 NP_001092201.2 IQ motif containing with AAA domain 1
 NP_001038594.1 IQ motif-containing protein H
 AAI42594.1 Iqca1 protein
 AFM09716.1 IRAK-1
 AAH98615.1 Irak3 protein
 AAH60944.1 Irbp protein
 AGC67025.1 IRF-3
 AFL69828.1 IRF9
 NP_001092720.1 iron/zinc purple acid phosphatase-like protein precursor
 NP_001133702.1 Iron-responsive element-binding protein 1
 NP_001121870.1 iron-sulfur cluster co-chaperone protein HscB, mitochondrial
 AAW34337.1 Iroquois 4a protein
 AAH77101.1 Iroquois homeobox protein 1, b
 AAH65681.1 Iroquois homeobox protein 2, a
 NP_571342.1 iroquois homeobox protein 3a
 NP_001018329.1 iroquois homeobox protein 4b
 AAH95012.1 Iroquois homeobox protein 7
 ABQ86047.1 iroquois homeobox-like protein 1b
 NP_001167421.1 Iroquois-class homeodomain protein IRX-1
 NP_997067.1 iroquois-class homeodomain protein IRX-1 isoform 1
 NP_957351.1 iroquois-class homeodomain protein IRX-2
 NP_001038692.1 iroquois-class homeodomain protein IRX-5
 NP_001018869.1 iroquois-class homeodomain protein IRX-6
 AFI55140.1 irx3a1
 ABM82484.1 ISL1 transcription factor, LIM/homeodomain, (islet-1)
 NP_963881.1 islet cell autoantigen 1-like protein
 NP_001134853.1 isoamyl acetate-hydrolyzing esterase 1 homolog
 NP_001013547.1 isoaspartyl peptidase/L-asparaginase
 NP_001073450.1 isochorismatase domain-containing protein 1
 NP_001188235.1 isochorismatase domain-containing protein 2, mitochondrial
 NP_957245.2 isocitrate dehydrogenase
 NP_001017713.1 isocitrate dehydrogenase 3 (NAD+) gamma
 NP_956190.1 isoleucyl-tRNA synthetase, cytoplasmic
 NP_001157270.1 isoleucyl-tRNA synthetase, mitochondrial
 ELR52010.1 Isopentenyl-diphosphate Delta-isomerase 1
 NP_001071270.1 isoprenoid synthase domain-containing protein
 AFW98246.1 isotocin-neurophysin precursor
 NP_997750.1 IST1 homolog
 NP_001167094.1 ITFG3 protein
 AAH38237.1 ITGAX protein
 AAI39896.1 Itgb5 protein
 AAH68357.1 Itm2ba protein
 AAH66513.1 Ivns1abpa protein
 AAI62468.1 Jag1a protein
 AAI22097.1 Jag2 protein
 ADK26757.1 jagged 1
 BAH47261.1 jak1
 BAH47262.1 jak2
 ACZ60070.1 JAK2bCA
 AAI34234.1 Jam3 protein
 NP_571168.1 Janus kinase 2a
 EHB07978.1 Janus kinase and microtubule-interacting protein 3
 ABS70749.1 Jazf1b
 NP_001070096.1 jmjC domain-containing protein 4
 NP_001017615.1 jmjC domain-containing protein 7
 AAH47193.1 Jmjd2al protein, partial
 AET86807.1 JNK1
 NP_001070063.1 Josephin-1
 NP_001071029.1 joubertin
 AAH91782.1 Jph2 protein
 ACL51669.1 jumonji AT-rich interactive domain 1D, partial
 ABB99426.1 Jun B protein
 ACI34242.1 Junction plakoglobin
 NP_001091734.1 junctional adhesion molecule 2a precursor
 NP_998437.1 junction-mediating and -regulatory protein
 NP_001159728.1 junctophilin 1a
 NP_001037813.1 junctophilin 1b

NP_001082833.1 junctophilin-2
 NP_001038420.1 juxtaposed with another zinc finger protein 1
 NP_001133835.1 K0020 protein
 NP_001133520.1 K0141 protein
 NP_001134895.1 K0460 protein
 NP_001133992.1 K0841 protein
 NP_001019819.1 k23
 AAA21578.1 kainate receptor alpha subunit
 AAA21577.1 kainate receptor beta subunit
 ADH04491.1 Kaiso
 NP_001035483.1 kalirin, RhoGEF kinase b
 AAH60938.1 Kallmann syndrome 1a sequence
 NP_571454.1 Kallmann syndrome 1b sequence precursor
 NP_001003642.1 kaptin
 NP_998235.1 karyopherin alpha 7 (importin alpha 8)
 NP_001029348.1 KAT8 regulatory NSL complex subunit 3
 NP_001018440.1 katanin p60 ATPase-containing subunit A1
 EGV93353.1 Katanin p60 ATPase-containing subunit A-like 1
 NP_001032491.1 katanin p60 ATPase-containing subunit A-like 2
 ELW69339.1 Katanin p60 ATPase-containing subunit A-like 2, partial
 NP_001080197.1 katanin p80 (WD40-containing) subunit B 1
 NP_001006019.1 katanin p80 subunit B-like 1
 NP_998183.1 katanin p80 WD40 repeat-containing subunit B1
 NP_001098594.1 Kazal-type serine peptidase inhibitor domain 2
 NP_001116791.1 kazal-type serine protease inhibitor domain-containing protein 1 precursor
 NP_001073551.1 kazrin
 NP_001121761.1 kazrin-A
 AAI52676.1 Kbtbd4 protein
 AAH78427.1 Kbtbd5 protein, partial
 AAH96914.1 Kcniplb protein
 AAI54160.1 Kctd12.2 protein
 NP_001133941.1 KDEL motif-containing protein 2 precursor
 CBN81669.1 Kelch domain-containing protein 1
 NP_956555.1 kelch domain-containing protein 10
 ELW48040.1 Kelch domain-containing protein 10, partial
 NP_001119902.1 kelch domain-containing protein 4
 NP_001038601.2 kelch domain-containing protein 5
 ACH70669.1 kelch repeat and BTB (POZ) domain containing 5-like
 NP_001029089.1 kelch repeat and BTB domain-containing protein 12
 CBN82183.1 Kelch repeat and BTB domain-containing protein 2
 NP_956503.1 kelch repeat and BTB domain-containing protein 4
 NP_001103500.1 kelch repeat and BTB domain-containing protein 8
 AAI08044.1 Kelch repeat-containing protein
 AAH71523.1 Kelch-like 18 (Drosophila)
 NP_001122154.1 kelch-like 40a
 NP_945330.1 kelch-like 41b
 NP_878284.2 kelch-like ECH-associated protein 1a
 NP_001090214.1 kelch-like family member 24
 NP_001096427.1 kelch-like family member 4
 BAK62902.1 kelch-like protein 10
 NP_956077.1 kelch-like protein 11
 NP_001003580.1 kelch-like protein 15
 NP_956124.1 kelch-like protein 18
 NP_996964.1 kelch-like protein 21
 NP_001070808.1 kelch-like protein 24
 NP_001038318.2 kelch-like protein 26
 NP_001003727.1 kelch-like protein 31
 NP_001018416.1 kelch-like protein 36
 NP_001038350.1 kelch-like protein 38
 NP_001164413.1 kelch-like protein 5
 NP_001005316.2 kelch-like protein 6
 NP_998688.1 keratin 15
 AAI54778.1 Keratin 8
 AER42657.1 keratin type II E3
 NP_956374.1 keratin, type II cytoskeletal 8
 NP_001007762.1 keratinocyte growth factor precursor
 NP_001002636.1 ketohehexokinase
 ACO09140.1 Ketosamine-3-kinase
 NP_571000.1 KH domain containing, RNA binding, signal transduction associated 1a
 NP_001070758.1 KH domain-containing, RNA-binding, signal transduction-associated protein 2
 AAH10132.1 KHDRBS1 protein
 ACO09667.1 KIAA0179
 BAA13199.2 KIAA0208
 ABC86576.1 KIAA0339 protein
 ACO09286.1 KIAA0427
 BAA32296.2 KIAA0451 protein
 JAA11825.1 KIAA0513
 BAA25513.2 KIAA0587 protein
 BAA31589.3 KIAA0614 protein

AAW34265.1	KIAA0650-like protein
ACN58634.1	KIAA0652
BAA31652.2	KIAA0677 protein
AAT68091.1	KIAA0682-like
BAA34520.2	KIAA0800 protein
BAA74917.2	KIAA0894 protein
BAA74925.2	KIAA0902 protein
NP_001082854.1	KIAA1274
BAA95972.2	KIAA1448 protein
AAH77205.1	Kif21a protein
AAH80604.1	KIF5B protein, partial
AAH17298.1	KIF5C protein
NP_001092814.1	kin of IRRE like 3 like precursor
NP_998033.1	kin of IRRE like a precursor
NP_001124123.1	kin of IRRE like b precursor
ACN60220.1	kinase C eta type
ELW72060.1	Kinase D-interacting substrate of 220 kDa
AAI63563.1	Kinase insert domain receptor (a type III receptor tyrosine kinase)
AAI29159.1	Kinase insert domain receptor like
NP_001137513.1	kinase suppressor of Ras 2
NP_956375.1	kinectin
EGD80804.1	kinesin family member 17
EAW71216.1	kinesin family member 1A, isoform CRA_c
NP_001154942.1	kinesin family member 20A
NP_957117.1	kinesin family member 4
NP_001186705.1	kinesin family member 5A
NP_001122126.1	kinesin family member 5B
NP_001106482.1	kinesin family member 6
CAD60638.1	kinesin family member C1
CBN80837.1	Kinesin heavy chain isoform 5A
NP_001116747.1	kinesin heavy chain isoform 5C
NP_957247.1	kinesin light chain 1
NP_001070646.1	kinesin light chain 3
NP_001137517.1	kinesin-associated protein 3
NP_775368.1	kinesin-like protein KIF11
NP_001038441.1	kinesin-like protein KIF14
NP_956533.1	kinesin-like protein KIF18A
CAJ55823.1	kinesin-like protein kif1a
NP_919363.2	kinesin-like protein KIF1B
AAK33008.1	kinesin-like protein Kif1b alpha
ELK28019.1	Kinesin-like protein KIF1C
NP_998353.1	kinesin-like protein KIF20A
NP_001107063.1	kinesin-like protein KIF22
NP_571430.1	kinesin-like protein KIF23
EGW07100.1	Kinesin-like protein KIF27
NP_001004664.2	kinesin-like protein KIF2A
AEP99104.1	Kinesin-like protein KIF2A-like protein, partial
NP_001108065.1	kinesin-like protein KIF2C
NP_001017604.2	kinesin-like protein KIF3A
NP_001093615.1	kinesin-like protein KIF3B
NP_001017849.2	kinesin-like protein KIF3C
EHB05908.1	Kinesin-like protein KIF6
NP_001014816.1	kinesin-like protein kif7
NP_571281.1	kinesin-like protein KIFC1
AEI26266.1	kinetochore component
NP_001003863.1	kinetochore protein NDC80 homolog
NP_956604.1	kinetochore protein Nuf2
NP_001187365.1	kinetochore protein Spc24
NP_001187598.1	kinetochore protein Spc25
NP_001006662.1	kinetochore-associated protein KNL-2 homolog
NP_001005981.1	kininogen 1 precursor
CAP71967.1	kirrel3
NP_001163985.1	KISS1 receptor
ACT10282.1	kisspeptin 1
NP_001136057.1	kisspeptin 2 precursor
ADU54205.1	kisspeptin receptor
BAL03274.1	kisspeptin receptor 2
CCH26286.1	Kissr-1 protein
ACT83527.1	kit a
BAL42516.1	Kit ligand a
NP_001018137.1	kit ligand b
ABK32085.1	kit receptor tyrosine kinase a
CAM73159.1	kita
AAI45231.1	Klhl29 protein
AAH77154.1	Kmo protein, partial
NP_001103695.1	KN motif and ankyrin repeat domain-containing protein 1
NP_001244078.1	KN motif and ankyrin repeat domains 3
NP_001108389.1	kremen protein 1 precursor
NP_001038790.2	KRR1 small subunit processome component homolog

EGV96674.1 KRR1 small subunit processome component-like
 NP_001103335.1 Krueppel-like factor 12
 NP_001070240.1 Krueppel-like factor 13
 AAM75147.1 Krueppel-like factor 15
 NP_001106955.1 Krueppel-like factor 4
 NP_001035016.2 Krueppel-like factor 5-like
 ADO27859.1 krueppel-like factor 6
 NP_001038406.1 Kruppel-like factor 11a
 NP_001071072.1 Kruppel-like factor 11b
 NP_996945.1 Kruppel-like factor 12
 NP_571931.2 Kruppel-like factor 2a
 NP_571932.1 Kruppel-like factor 2b
 NP_001038231.1 Kruppel-like factor 7b
 NP_001122201.1 Kruppel-like factor 9
 NP_001032511.1 KTEL motif-containing protein 1 precursor
 AAH44389.1 Ktn1 protein
 ACN10675.1 Kunitz-type protease inhibitor 1 precursor
 NP_957113.1 Kv channel interacting protein 3a, calsenilin
 EKC19306.1 Kynureninase
 NP_001134570.1 kynurenine formamidase
 ELR58668.1 Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
 BAM62877.1 L1-encoded reverse transcriptase-like protein
 AAA99159.1 L1-like cell adhesion molecule antigen E587
 ACO10111.1 La protein homolog
 AES00987.1 La ribonucleoprotein domain family, member 4, partial
 NP_001082877.1 La ribonucleoprotein domain family, member 6
 NP_001002735.1 lactase-like precursor
 NP_001020653.2 lactation elevated protein 1 homolog B
 EGV96616.1 Lactoperoxidase
 NP_001187856.1 lactose-binding lectin 1-2 precursor
 NP_998316.1 lactoylglutathione lyase
 NP_001007135.1 lady bird-like homeobox 1 homolog
 NP_001156784.1 ladybird homeobox 1b
 NP_705956.1 LAG1 longevity assurance homolog 4
 ELV10857.1 LAG1 longevity assurance like protein 5
 NP_001187681.1 lag1 longevity assurance-like protein 1
 NP_001187469.1 lambda-crystallin homolog
 ADO28056.1 lambda-crystallin-like protein
 CAD27803.1 lamC1
 AAI63799.1 Lamin A
 BAB32979.1 lamin B1
 BAB32978.1 lamin B2
 BAB32977.1 lamin B3
 NP_694505.2 lamin L3
 NP_001017552.1 lamina-associated polypeptide 1B
 NP_001167073.1 Lamina-associated polypeptide 2, isoforms beta/gamma
 CAC86206.1 lamina-associated protein 2 beta
 CAC86207.1 lamina-associated protein 2 gamma
 NP_001002720.1 lamin-B receptor
 NP_571077.2 lamin-B2
 AAX55655.1 laminin alpha 1
 AER12034.1 laminin alpha 2 chain
 AER12035.1 laminin alpha 2 chain short splice variant
 ADI46647.1 laminin alpha 5
 NP_001030158.1 laminin subunit alpha-1 precursor
 ELR54132.1 Laminin subunit alpha-3, partial
 NP_001034154.1 laminin subunit alpha-4 precursor
 NP_001034260.1 laminin subunit alpha-5 precursor
 ELV14262.1 Laminin subunit beta-1
 NP_775382.1 laminin subunit beta-1 precursor
 ELV09652.1 Laminin subunit beta-2
 NP_001229974.1 laminin subunit beta-2 precursor
 CBN80951.1 Laminin subunit beta-3
 NP_775383.1 laminin subunit beta-4 precursor
 NP_775384.1 laminin subunit gamma-1 precursor
 EDL04816.1 laminin, alpha 2, isoform CRA_b
 AAI63717.1 Laminin, alpha 4
 ACO14239.1 Lamin-LII
 NP_001028901.1 L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
 AAI39652.1 Lamp2 protein
 AAH72135.1 Lan4-a protein
 AAH61705.1 Lancl1 protein, partial
 NP_001076472.1 lanC-like protein 2
 NP_001077036.1 lanosterol synthase
 NP_001071030.1 la-related protein 4B
 NP_956224.1 la-related protein 7
 NP_001121830.1 large neutral amino acids transporter small subunit 1
 NP_001258826.1 large neutral amino acids transporter small subunit 2
 NP_001076469.1 large neutral amino acids transporter small subunit 3

NP_001008585.1 large neutral amino acids transporter small subunit 4
 NP_958504.2 large proline-rich protein BAT2
 NP_958445.1 large proline-rich protein BAT3
 ADF97607.1 large ribosomal protein P0
 NP_997807.1 large subunit GTPase 1 homolog
 NP_955947.1 lariat debranching enzyme
 AAR19270.1 latent membrane protein 1
 NP_001117921.1 latent transforming growth factor binding protein precursor
 NP_001244070.1 latent-transforming growth factor beta-binding protein 3 precursor
 NP_001071191.1 lateral signaling target protein 2 homolog
 ADO27844.1 latexin
 NP_001187328.1 lathosterol oxidase
 AAI71344.1 LATS, large tumor suppressor, homolog 1 (Drosophila)
 NP_001117670.1 LBP (LPS binding protein)/BPI (bactericidal/permeability-increasing protein) like-2 precursor
 AAI66757.1 Ldb1 protein
 AAH84686.1 Ldb1a protein
 ABW04133.1 LDL receptor-related protein associated protein 1
 NP_001187691.1 lecithin-cholesterol acyltransferase precursor
 NP_998059.1 lectin, galactoside-binding, soluble, 2a
 NP_956808.1 lectin, galactoside-binding, soluble, 2b
 AAI33154.1 Lectin, mannose-binding 2
 NP_571035.1 lefty1 precursor
 NP_571036.1 lefty2 precursor
 ADO28000.1 legumain
 ELK11249.1 Leishmanolysin-like peptidase
 AAI63283.1 Lemd3 protein
 AAZ29482.1 lengsin
 NP_001018392.1 lens intrinsic membrane protein 2.1
 NP_001002587.1 lens intrinsic membrane protein 2.3
 AFO67938.1 leptin
 AFU35432.1 leptin B
 AFO67946.1 leptin receptor
 NP_001187741.1 leptin receptor gene-related protein
 AFU35431.1 leptin receptor long form
 NP_001129622.1 leptin receptor overlapping transcript-like 1
 NP_001038934.2 lethal giant larvae homolog 1
 NP_997747.1 lethal(2) giant larvae protein homolog 2
 NP_956326.1 lethal(3)malignant brain tumor-like protein 2
 NP_001232893.1 lethal(3)malignant brain tumor-like protein 3
 NP_001038673.1 LETM1 and EF-hand domain-containing protein 1, mitochondrial
 NP_001124088.1 LETM1 domain-containing protein 1
 NP_001187404.1 leucine carboxyl methyltransferase 1
 NP_001122029.1 leucine carboxyl methyltransferase 2
 NP_001139054.1 leucine rich repeat and Ig domain containing 2-like precursor
 NP_001076323.1 leucine rich repeat and Ig domain containing 3 precursor
 NP_001076447.1 leucine rich repeat and Ig domain containing 4a
 NP_001082850.1 leucine rich repeat and Ig domain containing 4b precursor
 AAI71419.1 Leucine rich repeat containing 10
 EDL30934.1 leucine rich repeat containing 19, isoform CRA_a
 NP_001093494.1 leucine rich repeat containing 4 precursor
 ACH70736.1 leucine rich repeat containing 40
 NP_001018583.1 leucine rich repeat containing 4C precursor
 NP_001139094.1 leucine rich repeat containing 58
 NP_001025120.1 leucine rich repeat containing 8 family, member A
 NP_001108187.1 leucine zipper protein 2 isoform 1 precursor
 AAY41827.1 leucine zipper transcription factor
 NP_955881.1 leucine zipper transcription factor-like protein 1
 NP_001139078.1 leucine zipper, putative tumor suppressor 2a
 AAW71998.1 leucine-rich alpha-2-glycoprotein
 ELK17587.1 Leucine-rich repeat and calponin like proteiny domain-containing protein 3
 NP_001107121.1 leucine-rich repeat and fibronectin type III domain-containing protein 1-like protein precursor
 NP_001004576.1 leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1-B precursor
 NP_001034730.1 leucine-rich repeat LGI family member 2 precursor
 NP_001034768.1 leucine-rich repeat LGI family member 3 precursor
 NP_001034731.1 leucine-rich repeat LGI family, member 2b precursor
 NP_001124166.1 leucine-rich repeat neuronal protein 1 precursor
 NP_001038251.1 leucine-rich repeat protein SHOC-2
 NP_001188385.1 leucine-rich repeat serine/threonine-protein kinase 2
 NP_001093513.1 leucine-rich repeat transmembrane protein FLRT2 precursor
 NP_001243575.1 leucine-rich repeat transmembrane protein FLRT3 precursor
 NP_001018174.2 leucine-rich repeat, immunoglobulin-like and transmembrane domains 1 precursor
 CBN81538.1 Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 2
 NP_001122166.1 leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 3 precursor
 ABV48903.1 leucine-rich repeat-containing G protein-coupled receptor 8.1
 ABV48904.1 leucine-rich repeat-containing G protein-coupled receptor 8.2
 NP_001013463.1 leucine-rich repeat-containing protein 1
 NP_001074151.1 leucine-rich repeat-containing protein 15 precursor
 NP_001007358.1 leucine-rich repeat-containing protein 20
 NP_001006054.1 leucine-rich repeat-containing protein 23

NP_001107114.1 leucine-rich repeat-containing protein 3 precursor
 NP_001003775.1 leucine-rich repeat-containing protein 33 precursor
 NP_001082985.1 leucine-rich repeat-containing protein 3B precursor
 NP_956156.2 leucine-rich repeat-containing protein 40
 NP_956041.1 leucine-rich repeat-containing protein 42
 NP_001103842.1 leucine-rich repeat-containing protein 47
 NP_001002627.1 leucine-rich repeat-containing protein 57
 NP_998097.1 leucine-rich repeat-containing protein 59
 EKC41124.1 Leucine-rich repeat-containing protein 69
 NP_001038339.1 leucine-rich repeat-containing protein 71
 NP_001070848.1 leucine-rich repeat-containing protein 8D
 NP_001107274.2 leucine-rich repeat-containing protein 9
 NP_001018537.1 leucine-rich repeat-containing protein C10orf11
 CBN80707.1 Leucine-rich repeats and immunoglobulin-like domains protein 2
 NP_001103817.1 leucine-rich repeats and immunoglobulin-like domains protein 3 precursor
 NP_001122241.1 leucine-rich, glioma inactivated 1b precursor
 NP_001074074.1 leucine-zipper-like transcriptional regulator 1
 CAA58537.1 leucocyte common antigen-related protein
 CAJ90903.1 leucocyte elastase inhibitor
 NP_955915.1 leucyl-cystinyl aminopeptidase
 NP_001158815.1 Leucyl-tRNA synthetase, cytoplasmic
 AAU94362.1 leukemia inhibitory factor receptor
 NP_001014328.1 leukemia inhibitory factor receptor alpha a precursor
 NP_001134247.1 Leukocyte antigen CD37
 NP_001090798.1 leukocyte cell derived chemotaxin 1
 CAR94535.1 leukocyte cell-derived chemotaxin 2
 NP_001187204.1 leukocyte DNA binding receptor
 ADO27861.1 leukocyte elastase inhibitor
 NP_001187229.1 leukocyte immune-type receptor 2 precursor
 ABI16036.1 leukocyte immune-type receptor TS32.15 L1.1a, partial
 ABI16045.1 leukocyte immune-type receptor TS32.15 L1.2b3, partial
 ABI23564.1 leukocyte immune-type receptor TS32.15 L2.1a, partial
 ABI23568.1 leukocyte immune-type receptor TS32.15 L2.3a, partial
 ABI23569.1 leukocyte immune-type receptor TS32.15 L2.3b, partial
 ABI23570.1 leukocyte immune-type receptor TS32.15 L2.3c, partial
 ABI23573.1 leukocyte immune-type receptor TS32.15 L2.4c, partial
 ABI16049.1 leukocyte immune-type receptor TS32.17 L1.1a, partial
 NP_001082988.1 leukocyte receptor cluster member 8 homolog
 NP_001070766.1 leukocyte receptor cluster member 9
 ADO28407.1 leukocyte surface antigen cd53
 ACA79941.1 leukocyte tyrosine kinase protein
 NP_001118106.1 leukotriene b4 12-hydroxydehydrogenase/15-ketoreductase
 AFO64922.1 leukotriene B4 receptor 1
 NP_001135016.1 Leupaxin
 AAH71424.1 L-gals1l2 protein
 AAU14175.1 LGN
 AFS34610.1 LGP2
 ACJ65031.1 LHX9
 NP_001106696.2 ligand of numb-protein X 2a
 NP_998105.2 ligand of numb-protein X 2b
 ABD85555.1 ligase 1-like
 NP_956620.1 light ear protein
 ADV35593.1 lily-type lectin-3
 NP_001139049.1 LIM and calponin homology domains 1a
 NP_001108201.1 LIM and calponin homology domains-containing protein 1
 NP_957364.2 LIM and cysteine-rich domains protein 1-like
 ADO27891.1 lim and senescent cell antigen-like-containing domain protein 1
 ADO28107.1 lim and sh3 domain protein 1
 AAH47797.1 LIM domain and actin binding 1
 NP_571739.1 LIM domain and actin-binding protein 1
 NP_956152.1 LIM domain binding 3
 NP_001002651.1 LIM domain kinase 2
 NP_817093.1 LIM domain only 4a
 NP_001038909.2 LIM domain only 7b
 NP_001121703.1 LIM domain only protein 7
 ELK32502.1 LIM domain transcription factor LMO4
 NP_571388.2 LIM domain-binding protein 1
 NP_571389.1 LIM domain-binding protein 2
 NP_571282.1 LIM homeobox 1b
 AAI62549.1 LIM homeobox 2
 AAI62627.1 LIM homeobox 3
 NP_001020338.2 LIM homeobox transcription factor 1, beta 1
 NP_387501.1 LIM homeobox transcription factor 1-alpha
 NP_571291.1 LIM/homeobox protein Lhx1
 NP_001035099.3 LIM/homeobox protein Lhx2
 NP_001116445.1 LIM/homeobox protein Lhx4
 NP_571293.1 LIM/homeobox protein Lhx5
 NP_001004015.1 LIM/homeobox protein Lhx6
 NP_001003980.1 LIM/homeobox protein Lhx8

NP_942575.1 limb region 1 homolog-like protein
 CBN82040.1 Limb region 1 protein homolog
 NP_001034921.1 limbic system-associated membrane protein precursor
 CBN81152.1 Limbin
 NP_571390.1 LIM-domain binding factor 2b
 NP_001074051.1 limitrin precursor
 NP_001076282.1 lin-10
 ABA42816.1 lin10
 AES01114.1 lin-54-like protein, partial
 EAW68283.1 lin-7 homolog C (C. elegans), isoform CRA_b
 ACO51975.1 LINE-1 reverse transcriptase homolog
 AEA39737.1 linker for activation of T-cells family member 2
 NP_001136035.1 lipase maturation factor 2
 NP_001003499.1 lipase member H precursor
 AAI54787.1 Lipf protein
 NP_001002132.1 lipid phosphate phosphatase-related protein type 1
 NP_956750.1 lipid phosphate phosphatase-related protein type 2
 NP_001164499.1 lipid phosphate phosphatase-related protein type 3a
 NP_001121841.1 lipid phosphate phosphatase-related protein type 5-like
 ACI33796.1 Lipid phosphate phosphohydrolase 1
 AAI63248.1 Lipin 1
 CBN80930.1 Lipin-3
 NP_001013533.1 lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
 BAB88224.1 lipocalin-type prostaglandin D synthase-like protein
 NP_001008653.1 lipoma HMGIC fusion partner homolog precursor
 NP_001017562.1 lipoma HMGIC fusion partner-like 2b
 CBN80938.1 Lipoma HMGIC fusion partner-like 4 protein
 NP_001103583.2 lipoma HMGIC fusion partner-like 5b
 NP_001187935.1 lipopolysaccharide-induced tumor necrosis factor-alpha factor homolog
 ELW67643.1 Lipopolysaccharide-induced tumor necrosis factor-alpha factor like protein
 NP_001157840.1 lipopolysaccharide-induced tumor necrosis factor-alpha factor-like
 ELK17504.1 Lipopolysaccharide-responsive and beige-like anchor protein
 ACN37860.1 lipoprotein lipase
 NP_571202.1 lipoprotein lipase precursor
 AFL69953.1 lipoprotein lipase type 2
 NP_326358.1 lipoprotein VSAG (fragment), partial
 AAP36690.1 lipoxygenase
 EGW03216.1 Liprin-alpha-1
 NP_001038576.1 liprin-alpha-2
 ELK28594.1 Liprin-alpha-3
 NP_001093621.2 liprin-alpha-4
 NP_001038435.1 liprin-beta-1
 ACN60298.1 Liprin-beta-2
 ABA29741.1 Lis1a
 NP_957138.1 lisH domain and HEAT repeat-containing protein KIAA1468 homolog
 NP_001135036.1 LisH domain-containing protein C16orf63 homolog
 ADO27773.1 l-isoaspartate(d-aspartate) o-methyltransferase
 NP_001188104.1 l-isoaspartate(d-aspartate) o-methyltransferase precursor
 NP_989655.1 lissencephaly-1 homolog
 NP_001188031.1 lissencephaly-1-like protein A
 NP_001008538.1 liver glycogen phosphorylase
 AAX45792.1 liver-expressed antimicrobial peptide 2
 ABW38784.1 liver-type fatty acid-binding protein
 NP_001188217.1 L-lactate dehydrogenase A chain
 ADO28073.1 l-lactate dehydrogenase b chain
 NP_571322.1 L-lactate dehydrogenase B-A chain
 AAH91860.1 Lman1 protein, partial
 NP_956238.1 LMBR1 domain-containing protein 2-B
 AAH68414.1 Lmnb1 protein, partial
 AAB87679.1 LMP7
 AAH57494.1 Lnpb protein
 NP_001008573.1 lon protease homolog 2, peroxisomal
 ACN10954.1 Lon protease homolog, mitochondrial precursor
 BAH90614.1 long form of glucuronyltransferase-P
 AFI61534.1 long melanopsin
 NP_001017737.1 long-chain fatty acid transport protein 4
 ADX97112.1 long-chain fatty acid transport protein 6
 NP_956943.1 long-chain-fatty-acid--CoA ligase 4
 NP_001004599.1 long-chain-fatty-acid--CoA ligase 5
 NP_001119851.1 long-chain-fatty-acid--CoA ligase ACSBG2
 NP_001007053.1 loss of heterozygosity 12 chromosomal region 1 protein homolog
 NP_001008584.1 low affinity cationic amino acid transporter 2
 AEO97327.1 low density lipoprotein receptor
 NP_001074104.1 low density lipoprotein receptor adapter protein 1
 NP_945331.1 low density lipoprotein receptor adaptor protein 1a
 ELK13945.1 Low molecular weight phosphotyrosine protein phosphatase
 NP_001025454.1 low-density lipoprotein receptor precursor
 ADX97081.1 low-density lipoprotein receptor-related protein 1
 NP_001116346.1 low-density lipoprotein receptor-related protein 11 precursor

ELK04590.1 Low-density lipoprotein receptor-related protein 1B
 NP_001181916.1 low-density lipoprotein receptor-related protein 2 precursor
 NP_001170929.1 low-density lipoprotein receptor-related protein 5
 NP_001128156.1 low-density lipoprotein receptor-related protein 6 precursor
 NP_001243322.1 low-density lipoprotein receptor-related protein 8 precursor
 AAI55315.1 Lox protein
 AAI71497.1 Lpp protein
 BAC06473.1 LPXRFa precursor
 YP_004093703.1 LPXTG-motif cell wall anchor domain-containing protein
 AAH78235.1 Lrata protein
 BAB83836.1 LReO_3
 ACF76563.1 LRH-1
 AAH91848.1 Lrpprc protein
 CAP08024.1 lrcc17
 AEZ68570.1 LRRC18-like protein
 AAI55547.1 Lrrfip1a protein
 AAQ96246.1 LRRGT00033
 AAQ91021.1 LRRGT00065
 AAS66282.1 LRRGT00191
 AAH95309.1 Lrwd1 protein
 CBN81545.1 L-seryl-tRNA(Sec) kinase
 ACO13371.1 L-seryl-tRNA(Sec) kinase
 NP_001187334.1 LSM domain-containing protein 1
 ADO28143.1 lsm12--like protein A
 NP_998410.1 L-threonine 3-dehydrogenase, mitochondrial
 AAS20587.1 L-type calcium channel pore subunit isoform 1.3b
 NP_001038784.1 luc7-like protein 3 isoform 2
 AEH16748.2 luteinizing hormone receptor
 NP_001187208.1 luteinizing hormone receptor precursor
 EFN79264.1 LWamide neuropeptides
 ACQ57908.1 L-xylulose reductase
 NP_001004670.1 ly6/PLAUR domain-containing protein 6 precursor
 NP_001182204.1 lymphocyte activation gene 3 precursor
 AEA39768.1 lymphocyte antigen 108 isoform s
 NP_001182341.1 lymphocyte antigen 75 precursor
 NP_001133704.1 lymphocyte cytosolic protein 2
 BAF56885.1 lymphocyte-specific protein tyrosine kinase
 NP_571501.1 lymphoid enhancer-binding factor 1
 AFS18273.1 lymphoid-restricted membrane protein maternal long form
 NP_001187345.1 lymphokine-activated killer t-cell-originated protein kinase-like protein
 NP_001002506.1 LYR motif containing protein 1
 ADO28358.1 lyr motif-containing protein 5a
 ACI68413.1 LYR motif-containing protein ENSP00000368165
 NP_001133763.1 LYRIC protein
 NP_001075161.2 lysine (K)-specific demethylase 2B
 NP_001121799.1 lysine (K)-specific demethylase 5Ba
 NP_001073662.1 lysine (K)-specific demethylase 6A, like
 NP_001025349.1 lysine (K)-specific demethylase 6B, b
 NP_001118002.1 lysine ketoglutarate reductase/saccharopine dehydrogenase
 EGW06692.1 Lysine-specific demethylase 3B
 NP_001076274.1 lysine-specific demethylase 4B
 ELV13200.1 Lysine-specific demethylase 5A
 NP_001002166.1 lysine-specific demethylase 5B-B
 NP_001116706.1 lysine-specific demethylase 5C
 ELK36583.1 Lysine-specific demethylase 6A
 NP_001189348.1 lysine-specific demethylase 7B
 NP_001187323.1 lysine-specific demethylase 8
 NP_001189347.1 lysine-specific demethylase phf2
 NP_001229924.1 lysine-specific histone demethylase 1A
 ELK35123.1 Lysine-specific histone demethylase 1B
 NP_001002386.1 lysine--tRNA ligase
 NP_001070218.1 lysM and putative peptidoglycan-binding domain-containing protein 1
 NP_001188022.1 lysm and putative peptidoglycan-binding domain-containing protein 3
 NP_998435.1 lysocardiolipin acyltransferase 1
 NP_001103850.1 lysophosphatidic acid phosphatase type 6
 NP_001003578.1 lysophosphatidic acid receptor 2a
 NP_001032783.1 lysophosphatidic acid receptor 2b
 NP_001073524.1 lysophosphatidic acid receptor 6
 AFP97560.1 lysophosphatidylcholine acyltransferase 1, partial
 NP_001018492.1 lysophosphatidylcholine acyltransferase 2
 NP_001007397.2 lysophospholipid acyltransferase 1
 NP_956831.1 lysophospholipid acyltransferase 7
 NP_001013355.1 lysosomal acid phosphatase precursor
 NP_001014354.1 lysosomal alpha-mannosidase precursor
 AFU74027.1 lysosomal alpha-mannosidase, partial
 ADI40549.1 lysosomal H+-transporting ATPase 56/58kDa, V1 subunit B2
 NP_956844.1 lysosomal protective protein precursor
 NP_001004580.1 lysosomal protein NCU-G1 precursor
 NP_001155999.1 lysosomal protein transmembrane 5

NP_001002694.1 lysosomal Pro-X carboxypeptidase precursor
 NP_001103329.2 lysosomal thioesterase PPT2 precursor
 NP_001158846.1 lysosomal-associated membrane protein 1 precursor
 NP_999850.2 lysosomal-associated transmembrane protein 4A
 NP_956392.1 lysosomal-associated transmembrane protein 4B
 NP_775366.1 lysosome membrane protein 2
 NP_955996.1 lysosome-associated membrane glycoprotein 1 precursor
 NP_001001749.1 lysosome-associated membrane glycoprotein 2 precursor
 NP_001107133.1 lysosome-associated membrane glycoprotein 5 precursor
 NP_001187718.1 lysozyme c precursor
 AFF60188.1 lysozyme C, partial
 ACO13238.1 Lysozyme g
 NP_001002706.1 lysozyme g-like 1
 NP_001093153.1 lysyl hydroxylase 2 precursor
 NP_001036790.1 lysyl oxidase homolog 1 precursor
 ELW62486.1 Lysyl oxidase like protein 1
 ABM86968.1 lysyl oxidase-like 2b
 NP_001186799.1 lysyl oxidase-like 3a precursor
 NP_001096044.1 lysyl oxidase-like 5b precursor
 ELK02124.1 Macoilin
 NP_956613.2 macoilin-1
 NP_956757.2 macoilin-2
 NP_956843.1 MACRO domain-containing protein 2
 ACO08864.1 Macrophage capping protein
 NP_001107952.1 macrophage colony-stimulating factor 1 precursor
 NP_571747.1 macrophage colony-stimulating factor 1 receptor precursor
 NP_001073545.1 macrophage colony-stimulating factor 2
 CAP58788.1 macrophage colony-stimulating factor-2
 NP_955843.1 macrophage erythroblast attacher
 NP_997902.1 macrophage expressed 1 precursor
 CBN82067.1 Macrophage mannose receptor 1
 NP_001187233.1 macrophage migration inhibitory factor
 ELK04555.1 Macrophage receptor MARCO
 AAH84690.1 Macrophage stimulating 1 (hepatocyte growth factor-like)
 NP_001158857.1 Macrosialin precursor
 AAH86962.1 MAD homolog 1 (Drosophila)
 NP_571646.1 MAD homolog 3a
 AAB39329.1 Mad2
 NP_001085883.1 MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C)
 AAH65941.1 Maf protein
 AAO46100.1 mage
 AAI33868.1 Mag1 protein
 BAE07185.1 MAG1c
 NP_001006062.1 magnesium transporter NIPA1
 NP_998290.1 magnesium transporter NIPA2
 NP_001002664.1 magnesium transporter NIPA4
 NP_955994.1 magnesium transporter protein 1 precursor
 NP_001002223.1 MAGUK p55 subfamily member 2
 NP_919344.1 MAGUK p55 subfamily member 5-A
 NP_001038242.1 MAGUK p55 subfamily member 6
 NP_571051.1 MAGUK p55 subfamily member 7
 AFC36346.1 main olfactory receptor family G subfamily 106 member 1
 AFC36345.1 main olfactory receptor family H subfamily 129 member 1
 AFC36334.1 main olfactory receptor family H subfamily 134 member 1
 NP_001038437.1 major facilitator superfamily domain containing 12a
 NP_001017667.1 major facilitator superfamily domain-containing protein 10
 NP_001007452.1 major facilitator superfamily domain-containing protein 2A-A
 NP_001003570.1 major facilitator superfamily domain-containing protein 2A-B
 NP_956825.1 major facilitator superfamily domain-containing protein 4-A
 NP_001002713.1 major facilitator superfamily domain-containing protein 5 precursor
 ELW66594.1 Major facilitator superfamily domain-containing protein 6
 NP_001076525.1 major facilitator superfamily domain-containing protein 6-A
 NP_001003586.1 major facilitator superfamily domain-containing protein 6-like
 NP_001038513.1 major facilitator superfamily domain-containing protein 8
 NP_571565.1 major histocompatibility complex class II integral membrane alpha chain precursor
 NP_001003534.1 major intrinsic protein of lens fiber a
 NP_001167140.1 major vault protein
 ACO13260.1 MAK16-like protein RBM13
 BAD86842.1 makorin RING finger protein 1b
 NP_001121808.1 makorin, ring finger protein, 4
 ACO14269.1 MAL2
 NP_001188075.1 malate dehydrogenase
 NP_956263.1 malate dehydrogenase, cytoplasmic
 NP_001188337.1 malate synthase-like
 NP_001002315.1 malcavernin
 NP_001107090.1 malectin precursor
 NP_001002111.1 male-enhanced antigen 1
 NP_001107940.1 male-specific lethal 1-like 1
 NP_001156785.1 male-specific lethal 2 homolog

NP_001135119.1 Male-specific lethal 3-like 1
 NP_001120335.1 malic enzyme 1, NADP(+)-dependent, cytosolic
 AAH78317.1 Malic enzyme 2, NAD(+)-dependent, mitochondrial
 EDL29024.1 malignant T cell amplified sequence 1, isoform CRA_e
 NP_001187990.1 malignant T cell-amplified sequence 1
 ACN11147.1 Malonyl CoA-acyl carrier protein transacylase, mitochondrial precursor
 NP_001038508.1 malonyl-CoA-acyl carrier protein transacylase, mitochondrial
 NP_001123869.1 MAM domain-containing protein 2 precursor
 NP_001002416.1 mammalian ependymin-related protein 1 precursor
 AAX73256.1 mammalian-like melanopsin
 NP_001187193.1 mammal-like melanopsin 1
 NP_001187239.1 mammal-like melanopsin 2
 ADM86391.1 manganese superoxide dismutase
 NP_001153951.1 mannan-binding lectin H1 precursor
 NP_001116330.1 mannan-binding lectin serine protease 2 precursor
 AAT65076.1 mannan-binding lectin-associated serine protease precursor, partial
 ABW90997.1 mannan-binding lectin-like protein precursor
 NP_001153950.1 mannan-binding protein-associated serine protease 3 precursor
 ACN91267.1 mannose receptor C1-like protein
 ADO29424.1 mannose-1-phosphate guanyltransferase alpha-a
 NP_956791.1 mannose-1-phosphate guanyltransferase alpha-B
 NP_001003491.1 mannose-1-phosphate guanyltransferase beta
 NP_001028282.1 mannose-6-phosphate isomerase
 NP_001167399.1 Mannose-6-phosphate receptor-binding protein 1
 BAA86866.1 mannose-binding protein-associated serine protease
 NP_001002130.1 mannose-P-dolichol utilization defect 1 protein
 NP_001004566.2 mannosidase, endo-alpha
 NP_001073440.1 mannoside acetylglucosaminyltransferase 1
 NP_956970.1 mannosyl (alpha-1,3-) glycoprotein beta-1,2-N-acetylglucosaminyltransferase
 NP_001073659.1 mannosyl-oligosaccharide glucosidase
 BAA96414.1 MAP kinase kinase 6 (MKK6)
 NP_958460.1 MAP kinase-activated protein kinase 2
 CBN81049.1 MAP kinase-activated protein kinase 3
 NP_001002336.1 MAP kinase-activated protein kinase 5
 NP_997888.1 MAP kinase-interacting serine/threonine kinase 2
 NP_919383.1 MAP kinase-interacting serine/threonine kinase 2b
 NP_956179.1 MAP/microtubule affinity-regulating kinase 3
 ELK01239.1 MAP/microtubule affinity-regulating kinase 3, partial
 AAH92671.1 Map2k4 protein
 NP_001243108.1 MAP3K12-binding inhibitory protein 1
 AAH58295.1 Map3k7ip1 protein
 NP_001093562.1 MAP7 domain-containing protein 2
 ADO27915.1 mapk/mak/mrk overlapping kinase
 AGC04672.1 Mapk8IP3
 AAH57463.1 Mars protein
 NP_001119878.1 MARVEL domain containing 2b
 ADO28019.1 marvel domain-containing protein 1
 NP_001140036.1 MARVEL domain-containing protein 3
 NP_001164504.1 MARVEL domain-containing protein 3-like
 BAE44364.1 MASP2-like serine protease
 NP_998560.1 maspardin
 NP_001081412.1 maternal DNA replication licensing factor mcm3
 NP_001026680.1 maternal embryonic leucine zipper kinase
 AAH45465.1 Matn1 protein, partial
 AAI63867.1 Matn4 protein
 AAH90753.1 Matn4 protein, partial
 NP_001004007.1 matrilin 3a precursor
 NP_998714.1 matrilin-2 precursor
 NP_001012385.1 matrilin-3 precursor
 CAG27023.1 matrilin-3a
 CAG27569.1 matrilin-4
 NP_001116256.2 matrin 3-like
 NP_001187095.1 matrix Gla protein precursor
 AAQ07962.1 matrix metalloproteinase 13
 NP_001187264.1 matrix metalloproteinase 13 precursor
 AAI62135.1 Matrix metalloproteinase 14 (membrane-inserted) beta
 ADU34084.1 matrix metalloproteinase 2
 AAX14804.1 matrix metalloproteinase 3/10a
 NP_919397.1 matrix metalloproteinase-14 precursor
 CBN81806.1 Matrix metalloproteinase-16
 NP_001017890.1 matrix metalloproteinase-23 precursor
 ABO86718.1 matrix metalloproteinase-9
 NP_001073429.2 matrix-remodelling associated 8b precursor
 ACI33548.1 max
 NP_957350.1 max dimerization protein 3
 NP_001006460.1 max dimerization protein 4
 NP_001096581.1 max-binding protein MNT
 NP_001164210.1 MAX-interacting protein
 NP_001019394.1 max-like protein X

AAI39876.1	Mbd1 protein
NP_001017764.1	MBD2 (methyl-CpG-binding protein)-interacting zinc finger protein
AAI62747.1	Mc3r protein
EDL20878.1	mCG1029863
EDL40247.1	mCG1047287
EDL41610.1	mCG113702
EDL00611.1	mCG114129, isoform CRA_a
EDL10501.1	mCG120758
EDL01494.1	mCG121327
EDL00641.1	mCG121664
EDL39302.1	mCG124592, isoform CRA_a
EDL09729.1	mCG124661
EDL17798.1	mCG125673, isoform CRA_f
EDK97212.1	mCG126176
EDL17864.1	mCG128871, isoform CRA_c
EDL19702.1	mCG129661, isoform CRA_f
EDL23802.1	mCG13426
EDK99789.1	mCG144865
EDL39323.1	mCG145731, isoform CRA_c
EDL26453.1	mCG15223, isoform CRA_d
EDL02022.1	mCG16685, isoform CRA_c
EDL29423.1	mCG18066
EDL17291.1	mCG20982, isoform CRA_b
EDL05223.1	mCG4405
EDL18762.1	mCG53020, isoform CRA_a
EDL01438.1	mCG7861, isoform CRA_c
EDL25985.1	mCG9271
NP_956459.1	McKusick-Kaufman/Bardet-Biedl syndromes putative chaperonin
AAH48026.1	Mem2 protein
AAH45431.1	MCM3 minichromosome maintenance deficient 3 (<i>S. cerevisiae</i>), like
AAT68037.1	MCM3-associated protein
NP_001020704.1	MCM6 minichromosome maintenance deficient 6, like
AAI24649.1	Meckel syndrome, type 1
AAH72704.1	Mecr protein, partial
NP_001186801.1	mediator complex subunit 16
AAI55285.1	Mediator of cell motility 1
ELW67856.1	Mediator of DNA damage checkpoint protein 1
CBN81482.1	Mediator of RNA polymerase II transcription subunit 1
NP_001188215.1	mediator of RNA polymerase II transcription subunit 10
NP_001187819.1	mediator of RNA polymerase II transcription subunit 11
AEO27228.1	mediator of RNA polymerase II transcription subunit 12
ELK15657.1	Mediator of RNA polymerase II transcription subunit 12, partial
NP_001077307.1	mediator of RNA polymerase II transcription subunit 13-like
NP_997930.2	mediator of RNA polymerase II transcription subunit 14
ELW65780.1	Mediator of RNA polymerase II transcription subunit 14, partial
NP_998238.2	mediator of RNA polymerase II transcription subunit 15
NP_001071042.1	mediator of RNA polymerase II transcription subunit 17
NP_001188029.1	mediator of RNA polymerase II transcription subunit 18
NP_001070059.1	mediator of RNA polymerase II transcription subunit 19-A
NP_001187442.1	mediator of RNA polymerase II transcription subunit 20
NP_001135378.1	Mediator of RNA polymerase II transcription subunit 21
NP_001003990.1	mediator of RNA polymerase II transcription subunit 23
NP_001034151.1	mediator of RNA polymerase II transcription subunit 24
NP_999931.1	mediator of RNA polymerase II transcription subunit 25
NP_956954.1	mediator of RNA polymerase II transcription subunit 27
NP_001007771.1	mediator of RNA polymerase II transcription subunit 28
ACO14021.1	Mediator of RNA polymerase II transcription subunit 29
NP_957011.1	mediator of RNA polymerase II transcription subunit 30
ADO28134.1	mediator of RNA polymerase II transcription subunit 4
NP_001002084.1	mediator of RNA polymerase II transcription subunit 6
ADO27808.1	mediator of RNA polymerase II transcription subunit 7
NP_001187777.1	mediator of RNA polymerase II transcription subunit 8
ACI66736.1	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial precursor
BAA08722.1	MEF2
BAA33567.1	MEF2A
ACL00845.1	MEF2A alpha 2 isoform
BAA33568.1	MEF2C
AAH98522.1	Mef2d protein
EAW62407.1	MEGF10 protein, isoform CRA_b
EHB11264.1	Meiosis inhibitor protein 1
NP_001153485.1	meiosis-specific protein MEI4-like
NP_001003597.1	meiotic nuclear division protein 1 homolog
NP_001001407.1	meiotic recombination 11 homolog A
NP_001187314.1	meiotic recombination protein DMC1/LIM15 homolog
NP_001035468.1	meiotic recombination protein REC8 homolog
NP_991245.1	meiotic recombination protein SPO11
JAA08308.1	Meis homeobox 3
CAC19011.1	meis2.1 protein
NP_775387.1	melanocortin 5b receptor

ACN39568.1 melanocortin receptor 1
NP_775385.1 melanocortin receptor 4
CAH04351.1 melanocortin-5 receptor
CBN80850.1 Melanocyte proliferating gene 1
NP_001029090.2 melanocyte protein Pmel 17 precursor
NP_001012367.2 melanoma cell adhesion molecule b precursor
AEN04473.1 melanoma differentiation-associated protein 5
ELR46841.1 Melanoma-associated antigen E1
AC009856.1 Melanoma-associated antigen G1
NP_001122226.1 melanoma-derived growth regulatory protein precursor
NP_001073147.1 melanophilin
ACD14085.1 melanophilin transcript variant 1
NP_001002167.1 melanoregulin
NP_571469.1 melatonin receptor type 1B-B
NP_001154956.1 melatonin receptor type 1C
ELK19294.1 Membralin
NP_001038326.1 membrane alanine aminopeptidase
NP_001093682.1 membrane associated guanylate kinase, WW and PDZ domain containing 2
EDL99442.1 membrane associated guanylate kinase, WW and PDZ domain containing 2, isoform CRA_b
BAA75224.1 membrane guanylyl cyclase
BAB21106.1 membrane guanylyl cyclase OIGC2
BAA19206.1 membrane guanylyl cyclase OIGC4
NP_001098566.1 membrane guanylyl cyclase precursor
BAF37036.1 membrane progesterin receptor gamma-2
NP_956481.1 membrane progesterin receptor gamma-A
NP_001003573.1 membrane progesterin receptor gamma-B
YP_007003691.1 membrane protein ORF25
NP_001103181.1 membrane protein, palmitoylated 2a (MAGUK p55 subfamily member 2a)
NP_001243118.1 membrane protein, palmitoylated 6a (MAGUK p55 subfamily member 6)
NP_001012254.1 membrane transport protein XK
NP_001007064.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1
EHB02867.1 Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1, partial
NP_001116083.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2
NP_571650.1 membrane-associated phosphatidylinositol transfer protein 3
ADO28033.1 membrane-associated progesterone receptor component 1
NP_998269.1 membrane-associated progesterone receptor component 2
NP_001025336.1 membrane-associated ring finger (C3HC4) 4
NP_001103847.1 membrane-associated transporter protein
CAN88262.1 membrane-bound transcription factor protease, site 1
NP_001020632.1 membrane-bound transcription factor site-2 protease
ACO14539.1 Membrane-spanning 4-domains subfamily A member 12
ACO09823.1 Membrane-spanning 4-domains subfamily A member 4A
ACI68246.1 Membrane-spanning 4-domains subfamily A member 8A
AAH93145.1 Membrane-spanning 4-domains, subfamily A, member 17A.1
NP_001017670.1 membrane-spanning 4-domains, subfamily A, member 17A.11
NP_001004629.1 membrane-spanning 4-domains, subfamily A, member 17A.5
NP_001017714.1 membrane-spanning 4-domains, subfamily A, member 17A.7
CAB59921.1 menin
NP_001070089.2 meprin A, beta precursor
NP_001122179.1 merlin
NP_001002450.2 mesenchyme homeobox 1
NP_001038589.1 mesenchyme homeobox 2b
NP_955853.1 mesoderm induction early response 1 homolog a
NP_571626.1 mesoderm posterior aa
NP_001121815.1 metabotropic glutamate receptor 3 precursor
CBN80723.1 Metabotropic glutamate receptor 4
CAA09083.1 metabotropic glutamate receptor 7
NP_694513.1 metal regulatory transcription factor 1
NP_001116739.1 metallo-beta-lactamase domain-containing protein 2
NP_001082818.1 metalloendopeptidase homolog PEX
NP_080185.1 metalloendopeptidase OMA1, mitochondrial precursor
NP_001017701.1 metallophosphoesterase 1
NP_956336.1 metallophosphoesterase domain containing 2b
ELK37550.1 Metallophosphoesterase MPPED2
ACI69836.1 Metalloprotease ATP23
NP_001140067.1 metalloprotease C21orf57
ACI67137.1 Metalloproteinase inhibitor 2 precursor
NP_990818.1 metalloproteinase inhibitor 3 precursor
NP_001017734.1 metalloredutase STEAP4
NP_001038729.1 metal-response element-binding transcription factor 2
AAH68393.1 Metap2 protein
NP_001186695.1 metastasis associated in colon cancer 1
NP_001072800.1 metastasis suppressor 1, gene 1
NP_001026125.1 metastasis suppressor protein 1
NP_001012971.1 metastasis-associated protein MTA1
NP_956206.1 metastasis-associated protein MTA3
AAR07991.1 metaxin 1, partial
NP_001121710.1 metaxin 1a
AAH94962.1 Metaxin 3

ADO28229.1 metaxin-2
 AAH88383.1 Meteorin, glial cell differentiation regulator
 NP_998150.1 meteorin-like protein precursor
 NP_001038564.1 methenyltetrahydrofolate synthase domain-containing protein
 NP_001013492.2 methionine adenosyltransferase 2 subunit beta
 AFB35146.1 methionine adenosyltransferase II alpha a
 NP_001035469.1 methionine adenosyltransferase II, alpha-like
 ACO09891.1 Methionine aminopeptidase 1
 NP_001019563.1 methionine aminopeptidase 1D, mitochondrial precursor
 NP_001093524.1 methionine aminopeptidase 2
 NP_932338.1 methionine synthase
 NP_840073.2 methionine-R-sulfoxide reductase B1-A
 ACQ58039.1 Methionine-R-sulfoxide reductase B2, mitochondrial precursor
 NP_001002094.1 methionine-R-sulfoxide reductase B3, mitochondrial
 NP_956370.1 methionine--tRNA ligase, cytoplasmic
 NP_955934.1 methionyl aminopeptidase 2b
 CBN80834.1 Methionyl-tRNA synthetase, cytoplasmic
 NP_997745.1 methyl-CpG binding domain protein 3b
 NP_997933.1 methyl-CpG-binding domain protein 2
 NP_997934.1 methyl-CpG-binding domain protein 3
 NP_997901.1 methyl-CpG-binding protein 2
 EHH59032.1 Methyl-CpG-binding protein MBD3
 NP_998092.1 methylcrotonoyl-CoA carboxylase beta chain, mitochondrial
 ACN11119.1 Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial precursor
 NP_001038380.1 methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial
 NP_001107124.1 methylcrotonoyl-Coenzyme A carboxylase 2
 AAH75779.1 Methylenetetrahydrofolate dehydrogenase (NADP+ dependent)
 NP_001121727.1 methylenetetrahydrofolate reductase
 NP_001003576.1 methylglutaconyl-CoA hydratase, mitochondrial
 NP_001098582.1 methylmalonic aciduria (cobalamin deficiency) cblA type
 NP_001002453.1 methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria
 NP_001187482.1 methylmalonic aciduria and homocystinuria type c-like protein
 NP_001018602.1 methylmalonyl-CoA epimerase, mitochondrial
 NP_001092696.1 methylmalonyl-CoA mutase, mitochondrial
 NP_001187371.1 methylosome protein 50
 ACI67617.1 Methylosome subunit pICln
 NP_998518.1 methylsterol monooxygenase 1
 NP_001104708.1 methylthioribose-1-phosphate isomerase
 AES01857.1 methyltransferase 5 domain containing 1, partial
 NP_001038522.1 methyltransferase like 25
 AAI54304.1 Methyltransferase like 3
 NP_001073508.1 methyltransferase like 7A precursor
 ACO08879.1 methyltransferase Mb3374
 XP_001348983.1 methyltransferase, putative
 NP_001013345.1 methyltransferase-like protein 10
 ADO28083.1 methyltransferase-like protein 11a
 NP_001038234.2 methyltransferase-like protein 13
 NP_996954.1 methyltransferase-like protein 14
 NP_001003611.1 methyltransferase-like protein 16
 NP_001133796.1 Methyltransferase-like protein 2
 NP_001086389.1 methyltransferase-like protein 23
 ADO28023.1 methyltransferase-like protein 2-a
 NP_001005949.1 methyltransferase-like protein 5
 NP_956497.2 methyltransferase-like protein 6
 NP_001007337.1 methyltransferase-like protein 8
 NP_001133601.1 Methyltransferase-like protein 9
 NP_001007350.1 mevalonate kinase
 AAI39635.1 Mfge8l protein
 NP_001085877.1 MGC80975 protein
 NP_001086367.1 MGC82073 protein
 AAD08648.1 MHC class I alpha chain
 AAD08647.1 MHC class I alpha chain, partial
 BAK57367.1 MHC class I antigen
 AFO38421.1 MHC class I antigen, partial
 AAB62236.1 MHC class I heavy chain
 CAA88848.1 MHC class II
 CBX11158.1 MHC class II alpha chain, partial
 ADD12011.1 MHC class II antigen
 AEA50945.1 MHC class II antigen alpha chain
 AEC53471.1 MHC class II antigen beta chain
 ACY72849.1 MHC class II beta chain
 NP_001083022.1 MHC class II regulatory factor RFX1
 ADM21330.1 MHC class IIA antigen
 AAI62476.1 Mib protein
 AAI63627.1 Mib2 protein
 AAH83659.1 Mical3 protein
 AAH59615.1 Mical3 protein, partial
 NP_957311.1 microfibrillar-associated protein 1
 NP_001134717.1 microfibrillar-associated protein 4 precursor

NP_571922.2 microphthalmia-associated transcription factor
 BAD08297.1 microphthalmia-associated transcription factor type M
 NP_001116221.1 microprocessor complex subunit DGCR8
 ADO28117.1 microsomal glutathione S-transferase 3
 AAI35021.1 Microsomal triglyceride transfer protein
 NP_998438.1 microspherule protein 1
 AFS28884.1 microtubule associated monooxygenase calponin and LIM domain containing 2b isoform S1
 AFS28885.1 microtubule associated monooxygenase calponin and LIM domain containing 2b isoform S2
 NP_001258842.1 microtubule associated monooxygenase, calponin and LIM domain containing 2b
 NP_001036187.1 microtubule-associated protein 4
 NP_001133129.1 microtubule-associated protein RP/EB family member 1
 NP_001103172.1 microtubule-associated protein RP/EB family member 2
 ADO28074.1 microtubule-associated protein rp/eb family member 3
 NP_001072465.1 microtubule-associated protein tau
 NP_956158.1 microtubule-associated protein, RP/EB family, member 1
 NP_001140044.1 Microtubule-associated proteins 1A/1B light chain 3C
 ELK26845.1 Microtubule-associated serine/threonine-protein kinase 1
 ELV14309.1 Microtubule-associated serine/threonine-protein kinase 1, partial
 NP_001071076.1 microtubule-associated tumor suppressor 1 homolog A
 ACO09544.1 Mid1-interacting protein 1
 NP_571410.1 mid1-interacting protein 1A
 NP_001187982.1 mid1-interacting protein 1-b
 ABC67288.1 midkine b
 NP_996935.1 midnolin
 NP_001013302.1 MIF4G domain-containing protein B
 NP_001014321.1 milk fat globule-EGF factor 8 protein a isoform 1 precursor
 NP_001074459.1 milk fat globule-EGF factor 8 protein b precursor
 ACI68238.1 Mimecan precursor
 BAA22809.1 MINDIN2
 ACS34897.1 mineralocorticoid receptor
 NP_001118212.1 mineralocorticoid receptor form B
 NP_997743.1 mini-chromosome maintenance complex-binding protein
 ACN11214.1 Minor histocompatibility antigen H13
 CAP09075.1 minos transposase
 AAH66753.1 Minpp1 protein
 YP_001869272.1 Miro domain-containing protein
 NP_001139829.1 MIS12 homolog
 ADO28041.1 mit domain-containing protein 1
 NP_001188078.1 mitochondrial 10 kDa heat shock protein
 ADO27911.1 mitochondrial 28S ribosomal protein s12
 NP_001188000.1 mitochondrial 28S ribosomal protein s14
 ACO13329.1 Mitochondrial 28S ribosomal protein S17
 NP_001187779.1 mitochondrial 28S ribosomal protein s21
 ADO28171.1 mitochondrial 28S ribosomal protein s24
 ADO27739.1 mitochondrial 28S ribosomal protein s25
 ACI66099.1 Mitochondrial 28S ribosomal protein S28
 ADO28355.1 mitochondrial 28S ribosomal protein s29
 ACO08034.1 Mitochondrial 28S ribosomal protein S30
 NP_001188143.1 mitochondrial 28S ribosomal protein s35
 NP_001187458.1 mitochondrial 28S ribosomal protein s7
 NP_001070100.1 mitochondrial 2-oxodicarboxylate carrier
 NP_001188019.1 mitochondrial 2-oxoglutarate/malate carrier protein
 NP_001187444.1 mitochondrial 39S ribosomal protein I10
 NP_001187928.1 mitochondrial 39S ribosomal protein I13
 NP_001187579.1 mitochondrial 39S ribosomal protein I15
 NP_001188153.1 mitochondrial 39S ribosomal protein I16
 ADO28423.1 mitochondrial 39S ribosomal protein I23
 NP_001187775.1 mitochondrial 39S ribosomal protein I32
 NP_001188179.1 mitochondrial 39S ribosomal protein I35
 ADO28306.1 mitochondrial 39S ribosomal protein I38
 NP_001187653.1 mitochondrial 39S ribosomal protein I4
 NP_001187729.1 mitochondrial 39S ribosomal protein I51
 AAP42512.1 mitochondrial alanine aminotransferase
 ADX97119.1 mitochondrial aldehyde dehydrogenase
 CAX48603.1 mitochondrial antiviral signaling
 ADO27746.1 mitochondrial aspartate aminotransferase
 NP_001188133.1 mitochondrial ATP synthase f1 complex assembly factor 1
 BAB47390.1 mitochondrial ATP synthase gamma-subunit
 ADO28736.1 mitochondrial ATP synthase lipid-binding protein
 NP_001187881.1 mitochondrial ATP synthase subunit b
 ADO27957.1 mitochondrial ATP synthase subunit d
 NP_001187531.1 mitochondrial ATP synthase subunit e
 NP_001187999.1 mitochondrial ATP synthase subunit f
 AFS66693.1 mitochondrial calcium uptake 1
 NP_001082883.1 mitochondrial cardiolipin hydrolase
 NP_001233259.1 mitochondrial carnitine palmitoyltransferase I alpha1a
 NP_957153.1 mitochondrial carnitine/acylcarnitine carrier protein
 NP_001025408.1 mitochondrial carnitine/acylcarnitine carrier protein CACL
 NP_571457.1 mitochondrial carrier homolog 2

ACI33728.1 Mitochondrial chaperone BCS1
 NP_001038918.1 mitochondrial coenzyme A transporter SLC25A42
 NP_001187894.1 mitochondrial creatine kinase s-type
 ADO28211.1 mitochondrial cytochrome b-c1 complex subunit rieske
 ADO28030.1 mitochondrial cytochrome c oxidase subunit 4 isoform 2
 ADO28197.1 mitochondrial cytochrome c oxidase subunit 5b
 ADO29335.1 mitochondrial cytochrome c oxidase subunit 6a1
 ADO28892.1 mitochondrial cytochrome c oxidase subunit 7a-related protein
 ADO28791.1 mitochondrial cytochrome c oxidase subunit 7b
 ADO28404.1 mitochondrial cytochrome c1 heme protein
 NP_001070116.2 mitochondrial dynamic protein MID49
 NP_001077309.1 mitochondrial dynamic protein MID51
 ADO28246.1 mitochondrial electron transfer flavoprotein subunit alpha
 NP_001188046.1 mitochondrial enoyl-CoA hydratase
 ACI67462.1 Mitochondrial fission 1 protein
 NP_956830.1 mitochondrial fission factor homolog B
 NP_001008578.1 mitochondrial fission regulator 1
 NP_956178.1 mitochondrial fission regulator 1-like
 NP_001070753.1 mitochondrial fission regulator 2
 NP_001013354.1 mitochondrial folate transporter/carrier
 NP_001008640.1 mitochondrial genome maintenance exonuclease 1
 ADO28181.1 mitochondrial glutamate carrier 1
 NP_001188156.1 mitochondrial glycine cleavage system h protein
 NP_001187294.1 mitochondrial GTPase 1
 ADO28150.1 mitochondrial hydroxyacyl-coenzyme a dehydrogenase
 NP_001002678.1 mitochondrial import inner membrane translocase subunit Tim10
 ACO08983.1 Mitochondrial import inner membrane translocase subunit Tim17-A
 NP_001013525.1 mitochondrial import inner membrane translocase subunit TIM44
 NP_956959.1 mitochondrial import inner membrane translocase subunit TIM50 precursor
 NP_001122251.1 mitochondrial import inner membrane translocase subunit Tim8 B
 ACO51865.1 Mitochondrial import inner membrane translocase subunit Tim9
 ADO28326.1 mitochondrial import receptor subunit tom20-like protein
 ACO09752.1 Mitochondrial import receptor subunit TOM22 homolog
 NP_955932.2 mitochondrial import receptor subunit TOM34
 ACI33382.1 Mitochondrial import receptor subunit TOM40 homolog
 NP_001107910.1 mitochondrial import receptor subunit TOM40B
 ELW69860.1 Mitochondrial import receptor subunit TOM5 like protein
 NP_956296.1 mitochondrial import receptor subunit TOM70
 ADO28149.1 mitochondrial inner membrane protease subunit 1
 ADO27726.1 mitochondrial inner membrane protease subunit 2
 NP_001001401.1 mitochondrial inner membrane protein
 NP_001107941.1 mitochondrial inner membrane protein COX18
 NP_001003538.1 mitochondrial intermembrane space import and assembly protein 40
 ADO27874.1 mitochondrial isocitrate dehydrogenase (nad) subunit alpha
 ADO28004.1 mitochondrial malate dehydrogenase
 NP_001188234.1 mitochondrial methylmalonic aciduria and homocystinuria type d protein
 NP_001188226.1 mitochondrial mimitin
 NP_001187702.1 mitochondrial mmp37-like protein
 NP_001188065.1 mitochondrial mosc domain-containing protein 1
 NP_001187320.1 mitochondrial NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 9
 NP_001187586.1 mitochondrial NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 5
 NP_001188137.1 mitochondrial NADH dehydrogenase (ubiquinone) flavoprotein 2
 NP_001188135.1 mitochondrial NADH dehydrogenase (ubiquinone) iron-sulfur protein 6
 ADO28179.1 mitochondrial NADH dehydrogenase 1 beta subcomplex subunit 8
 ADO27792.1 mitochondrial NADH dehydrogenase iron-sulfur protein 7
 NP_957052.1 mitochondrial nucleoid factor 1
 NP_001187437.1 mitochondrial ornithine transporter 1
 ADO28304.1 mitochondrial peptidyl-tRNA hydrolase 2
 NP_001187617.1 mitochondrial phospholipid hydroperoxide glutathione peroxidase
 NP_001187335.1 mitochondrial probable 28S ribosomal protein s10
 ADO27929.1 mitochondrial probable methyltransferase c20orf7-like protein
 NP_001188014.1 mitochondrial putative octanoyltransferase
 NP_001076295.2 mitochondrial Rho GTPase 1
 NP_997869.1 mitochondrial Rho GTPase 1-A
 NP_001032768.1 mitochondrial Rho GTPase 2
 EAX04242.1 mitochondrial ribosomal protein L14, isoform CRA_a
 ACI68355.1 Mitochondrial ribosomal protein S23
 AAI53566.1 Mitochondrial ribosomal protein S34
 EHB13920.1 Mitochondrial sodium/hydrogen exchanger NHA2
 NP_001187800.1 mitochondrial succinate dehydrogenase (ubiquinone) iron-sulfur subunit
 ADO28162.1 mitochondrial succinate dehydrogenase assembly factor 2
 ADO28842.1 mitochondrial succinate dehydrogenase cytochrome b560 subunit
 ADO27903.1 mitochondrial succinate dehydrogenase iron-sulfur subunit
 NP_001187415.1 mitochondrial tricarboxylate transport protein
 NP_001082906.1 mitochondrial trifunctional protein, alpha subunit
 NP_001018435.1 mitochondrial tRNA-specific 2-thiouridylase 1
 NP_001187658.1 mitochondrial tyrosine phosphatase 1
 NP_001092230.1 mitochondrial ubiquitin ligase activator of NFKB 1
 NP_001018134.1 mitochondrial ubiquitin ligase activator of nfkb 1-A

NP_001187840.1 mitochondrial uncharacterized protein fl3e9.13
 ACT83525.1 mitochondrial uncoupling protein 1
 ABK96971.1 mitochondrial uncoupling protein 2
 ACD74889.1 mitochondrial uncoupling protein 3
 NP_956635.1 mitochondrial uncoupling protein 4
 NP_001035060.1 mitoferrin-1
 NP_956941.1 mitofusin-1
 NP_001121726.1 mitofusin-2
 EDM10341.1 mitogen activated protein kinase kinase kinase 1, isoform CRA_b
 ELW72590.1 Mitogen-activated protein kinase 1
 ELW70215.1 Mitogen-activated protein kinase 10
 AFK76499.1 mitogen-activated protein kinase 11 isoform 2
 NP_001038306.1 mitogen-activated protein kinase 12
 CBN80893.1 Mitogen-activated protein kinase 14a
 NP_958915.1 mitogen-activated protein kinase 3
 NP_998638.1 mitogen-activated protein kinase 4
 NP_001039017.1 mitogen-activated protein kinase 6
 NP_001013469.2 mitogen-activated protein kinase 7
 NP_001039834.1 mitogen-activated protein kinase 9
 ADI48167.1 mitogen-activated protein kinase kinase 1
 NP_001032468.2 mitogen-activated protein kinase kinase 2a
 ABQ95653.1 mitogen-activated protein kinase kinase 5
 ACCG76391.1 mitogen-activated protein kinase kinase kinase 1 (predicted)
 ELW65675.1 Mitogen-activated protein kinase kinase kinase 1
 NP_996977.1 mitogen-activated protein kinase kinase kinase 12
 CBN82175.1 Mitogen-activated protein kinase kinase kinase 15
 CBN81994.1 Mitogen-activated protein kinase kinase kinase 3, partial
 NP_001155222.1 mitogen-activated protein kinase kinase kinase 5
 NP_001038725.1 mitogen-activated protein kinase kinase kinase kinase 2
 NP_001035448.1 mitogen-activated protein kinase kinase kinase kinase 2-like
 NP_001127233.1 mitogen-activated protein kinase kinase kinase kinase 3
 AFH34715.1 mitogen-activated protein kinase kinase kinase kinase 4 isoform 3
 ABU49432.1 mitogen-activated protein kinase kinase kinase kinase 4-like protein
 EGW14310.1 Mitogen-activated protein kinase kinase kinase kinase 5
 JAA27697.1 mitogen-activated protein kinase-activated protein kinase 2
 NP_991272.1 mitotic checkpoint protein BUB3
 AAM33248.1 mitotic phosphoprotein 67
 NP_957206.2 mitotic spindle assembly checkpoint protein MAD1
 NP_001187908.1 mitotic spindle assembly checkpoint protein mad2a
 NP_001188245.1 mitotic spindle assembly checkpoint protein mad2b
 NP_001002449.1 mitotic spindle-associated MMXD complex subunit MIP18
 NP_001003568.1 mitotic-spindle organizing protein 2
 NP_001133765.1 Mixed lineage kinase domain-like protein
 CBN81259.1 Mki67 protein
 BAC41402.1 mKIAA0236 protein
 BAD32208.1 mKIAA0299 protein
 BAC65531.1 mKIAA0325 protein
 BAC98015.2 mKIAA0743 protein
 BAD32389.1 mKIAA1148 protein
 BAC98109.1 mKIAA1152 protein
 BAD32544.1 mKIAA1803 protein
 BAC98266.1 mKIAA1851 protein
 BAD90278.1 mKIAA4042 protein
 BAD90318.1 mKIAA4205 protein
 BAC65704.3 mKIAA4254 protein
 ADO28315.1 mll1/mll complex subunit c17orf49-like protein
 AAH39197.1 MLL2 protein, partial
 AA151838.1 MLL3 protein
 NP_001038782.1 MOB kinase activator 2b
 NP_001004296.1 moesin
 ADQ13086.1 molecule interacting with CasL 1
 ADQ13088.1 molecule interacting with CasL 2b, partial
 ADQ13091.1 molecule interacting with CasL-like 2a
 NP_001099130.1 molybdenum cofactor biosynthesis protein 1
 NP_001014388.2 molybdenum cofactor sulfuryase
 ACO13883.1 Molybdenum cofactor synthesis protein 2 large subunit
 NP_001154052.1 Molybdenum cofactor synthesis protein cinnamon
 NP_001070065.1 monoacylglycerol lipase ABHD12
 BAH02786.1 monoamine oxidase
 NP_956379.1 monocarboxylate transporter 1
 NP_001073497.1 monocarboxylate transporter 10
 NP_001139286.1 monocarboxylate transporter 12-B
 BAL44665.1 monocarboxylate transporter 1a
 NP_001243569.1 monocarboxylate transporter 1b
 NP_001092889.1 monocarboxylate transporter 2
 NP_997873.1 monocarboxylate transporter 4
 NP_001167079.1 Monocarboxylate transporter 9
 NP_001167529.1 monocyte to macrophage differentiation factor 2
 ADO27882.1 monocyte to macrophage differentiation protein

NP_001229925.1 monofunctional C1-tetrahydrofolate synthase, mitochondrial
 AAC51213.1 MOP3
 NP_001003994.1 MORC family CW-type zinc finger 2
 ACQ58484.1 MORC family CW-type zinc finger protein 3
 NP_001017666.1 MORN repeat-containing protein 3
 NP_001019584.1 MORN repeat-containing protein 5
 NP_001002604.2 mortality factor 4-like protein 1
 NP_001116172.1 mothers against decapentaplegic homolog 4
 NP_001133963.1 mothers against decapentaplegic homolog 5
 NP_001038516.1 mothers against decapentaplegic homolog 6-like
 NP_778257.2 mothers against decapentaplegic homolog 7
 NP_001004014.1 mothers against decapentaplegic homolog 9
 ELK05628.1 Mothers against decapentaplegic like protein 2
 EGW00219.1 Mothers against decapentaplegic-like 1
 NP_001007294.1 motile sperm domain-containing protein 2
 NP_001009885.1 motor neuron and pancreas homeobox protein 1
 NP_001070795.1 MOV10-like 1
 AAI24116.1 Moxd1 protein
 NP_001134850.1 M-phase phosphoprotein 6
 NP_001119905.1 M-phase phosphoprotein 8
 NP_001070033.1 MPN domain-containing protein
 ADO28391.1 mps one binder kinase activator-like 2a
 NP_001038465.1 mRNA cap guanine-N7 methyltransferase
 NP_001017657.1 mRNA turnover protein 4 homolog
 NP_998032.1 mRNA-capping enzyme
 NP_878313.2 mRNA-decapping enzyme 1A
 NP_956446.1 mRNA-decapping enzyme 2
 AAH17560.1 MSI2 protein
 AAH64202.1 msx2 protein
 BAI65861.1 MT1 melatonin receptor G1.4 type1
 BAI65862.1 MT1 melatonin receptor G1.7
 BAI65863.1 MT2 melatonin receptor G2.6 type1
 BAI65864.1 MT2 melatonin receptor G6.2
 AAH66458.1 Mta3 protein
 AAI70295.1 Mtap4 protein
 NP_001002615.1 mTERF domain-containing protein 1, mitochondrial precursor
 NP_001038293.2 mTERF domain-containing protein 3, mitochondrial
 NP_001038391.1 MTSS1-like protein
 BAA95355.1 Mtx2
 XP_001287190.1 mucin 1 precursor
 NP_727593.3 mucin 11A
 AEE36662.1 mucolipin 1.1
 NP_998545.1 mucolipin 1a
 NP_957442.1 mucolipin-2
 NP_694508.1 mucosa associated lymphoid tissue lymphoma translocation gene 1a
 ADO27817.1 mu-crystallin-like protein
 NP_001007780.1 muellerian-inhibiting factor precursor
 NP_001073648.1 multidrug and toxin extrusion protein 1
 NP_001118127.1 multidrug resistance associated protein 2
 ADI40502.1 multidrug resistance associated protein 7
 NP_001161802.1 multidrug resistance protein 1
 ACX85035.1 multidrug resistance protein 3, partial
 ADT80963.1 multidrug resistance protein 5
 ABX38842.1 multidrug resistance-associated protein 3
 NP_001007039.1 multidrug resistance-associated protein 4
 NP_001182542.1 multidrug resistance-associated protein 5
 NP_955831.1 multifunctional protein ADE2
 NP_001139178.1 multimerin 2a precursor
 NP_001006400.1 multiple coagulation factor deficiency 2 precursor
 ELW47271.1 Multiple coagulation factor deficiency protein 2 like protein
 ELK29706.1 Multiple epidermal growth factor-like domains protein 10
 ELW62388.1 Multiple epidermal growth factor-like domains protein 11
 NP_957394.1 multiple inositol polyphosphate histidine phosphatase 1 precursor
 NP_001071025.1 multiple inositol polyphosphate histidine phosphatase, 1a
 NP_956696.2 multiple myeloma tumor-associated protein 2-like
 AAI55264.1 Mus81 protein
 EAW94507.1 musashi homolog 2 (Drosophila), isoform CRA_b
 AFE76524.1 muscarinic acetylcholine receptor M1
 NP_001025576.1 muscle RAS oncogene homolog isoform 2
 AAH71302.1 Muscle segment homeobox C
 EGW02023.1 Muscle, skeletal receptor tyrosine protein kinase
 NP_001004503.1 muscle, skeletal receptor tyrosine-protein kinase isoform 1 precursor
 NP_001093520.2 muscleblind-like protein 1 isoform 2
 ABX80002.1 muscleblind-like protein 1D
 NP_001027847.1 muscleblind-like protein 2a
 ABX80004.1 muscleblind-like protein 3A
 ABX80008.1 muscleblind-like protein 3E
 NP_001008579.1 muscle-related coiled-coil protein b
 NP_001071077.1 muscle-restricted dual specificity phosphatase

CAM60100.1	musk
NP_997859.1	muskelin
BAD92358.1	mutant p53 binding protein 1 variant
AAA85718.1	mutant sterol regulatory element binding protein-2
NP_001025237.1	muted
ABR88134.1	Mx protein
AAP68827.1	Mx3 protein
CBN82143.1	MxaC
AAH95587.1	Mxe protein
NP_001002042.1	myb-binding protein 1A-like protein
AAH98594.1	Mybbp1a protein, partial
NP_001003867.2	myb-related protein B
AAI09962.1	MYC induced nuclear antigen
NP_956631.1	MYC induced nuclear antigen-like
NP_001076386.1	myc target protein 1 homolog
EGW10276.1	Myc-induced nuclear antigen
AAH59793.1	Mycn protein, partial
NP_001025455.1	myelin expression factor 2 isoform 2
NP_001133549.1	Myelin P0 protein precursor
NP_001244269.1	myelin protein zero-like 1 like
ACM08461.1	Myelin protein zero-like protein 2 precursor
EGW04911.1	Myelin transcription factor 1-like protein
NP_001133927.1	myelin-associated glycoprotein
NP_001007063.1	myelin-associated glycoprotein precursor
NP_001119581.1	myelocytomatosis oncogene homolog
NP_571674.1	myeloid cell leukemia sequence 1a
ABD85567.1	myeloid cell leukemia sequence 1b-like
ACG58868.1	myeloid cell lineage chitinase
NP_001187207.1	myeloid differentiation primary response protein MyD88
NP_571972.2	myeloid ecotropic viral integration site 4.1a
NP_001020687.1	myeloid leukemia factor 2
BAB16024.1	myeloid protein-1
ABO41859.1	myeloid/lymphoid or mixed-lineage leukemia
ABC72122.1	myeloperoxidase
NP_001187253.1	myeloperoxidase precursor
AAH44194.1	Myhc4 protein, partial
AAI63575.1	Myo5a protein
AAH60886.1	MYO9A protein
NP_001074184.1	myocardin
NP_001015062.1	myocilin precursor
ELK11498.1	Myocyte enhancer factor 2C protein
ABC55064.1	myocyte-specific enhancer factor 2A
AAB17195.1	myocyte-specific enhancer factor 2A, C9 form
NP_571387.2	myocyte-specific enhancer factor 2C
AAS48083.1	MyoD
NP_957169.2	myoferlin
AAS48404.1	myogenin
NP_956880.1	myoglobin
NP_956195.1	myomegalin
NP_001154812.1	myomesin 1a
NP_001133136.1	myomesin 2-like
CBN82081.1	Myomesin-1
NP_956062.1	myoneurin
ABW87788.1	myosin 1
NP_001037814.2	myosin binding protein C, cardiac
NP_001039324.1	myosin binding protein C, fast type a
NP_001093607.1	myosin binding protein Hb
BAE16584.1	myosin heavy chain
BAE79363.1	myosin heavy chain embryonic type 3
BAF93223.1	myosin heavy chain fast skeletal type 2
AEZ49875.1	myosin heavy chain, partial
ACX32476.1	myosin high-temperature type S1 heavy chain
EFA78349.1	myosin 1C
CBN82156.1	Myosin IIIA
AAY85352.1	myosin light chain 2
BAF80632.1	myosin light chain kinase 1
NP_001103990.1	myosin light chain kinase 2-like
NP_001099057.1	myosin light chain kinase 3
CBN81491.1	Myosin light chain kinase, smooth muscle
ACI68722.1	Myosin light polypeptide 6
NP_001134962.1	Myosin light polypeptide 6B
NP_001099097.1	myosin phosphatase Rho-interacting protein
BAA89704.1	myosin regulatory light chain
ACO13907.1	Myosin regulatory light chain 2, atrial isoform
ADO27750.1	myosin regulatory light chain 2b cardiac muscle isoform
ELW69612.1	Myosin regulatory light polypeptide 9
AAT92221.1	myosin VIa
AAT92220.1	myosin VIb
CAC05419.1	myosin VIIA

AAI62152.1 Myosin, heavy polypeptide 11, smooth muscle
NP_001017871.1 myosin, light chain 10, regulatory
NP_001124061.1 myosin, light chain 12, genome duplicate 2
EKC34950.1 Myosin-10
ELK31854.1 Myosin-4
ELK11239.1 Myosin-6
NP_001091647.2 myosin-9
ELR62442.1 Myosin-9, partial
NP_001013529.2 myosin-binding protein C, fast-type
NP_001007323.1 myosin-binding protein C, slow-type
ELK27722.1 Myosin-Ib
CBN81695.1 Myosin-Id
NP_001243600.1 myosin-Ie
NP_001038686.1 myosin-Ig
NP_991142.1 myosin-IIa
ELK04689.1 Myosin-IIb
EGW05870.1 Myosin-Vb
NP_001004110.1 myosin-VI
ELR58852.1 Myosin-XIX, partial
ELK01861.1 Myosin-XVIIIa
AFS49710.1 myostatin
AFC38429.1 myostatin a
NP_001158858.1 myotrophin
ACQ58946.1 Myotubularin
NP_001018557.1 myotubularin related protein 1a
NP_001014352.1 myotubularin related protein 1b
NP_001025297.1 myotubularin related protein 7b
ELR60627.1 Myotubularin-related protein 1, partial
NP_001071065.2 myotubularin-related protein 10
NP_001107085.1 myotubularin-related protein 12
CBN80936.1 Myotubularin-related protein 14
NP_571446.1 myotubularin-related protein 2
NP_957158.2 myotubularin-related protein 3
NP_001038623.1 myotubularin-related protein 5
EHB03481.1 Myotubularin-related protein 5, partial
NP_956085.1 myotubularin-related protein 6
NP_956688.1 myotubularin-related protein 8
NP_001038535.1 myotubularin-related protein 9
NP_991241.1 myozenin 1
NP_957193.1 myozenin 2a
ADO29186.1 myozenin-2
AEQ28193.1 myristoylated alanine rich protein kinase C substrate b
NP_998388.1 myristoylated alanine-rich C kinase substrate 2
AAI63677.1 MYST histone acetyltransferase (monocytic leukemia) 3
AAI55278.1 MYST histone acetyltransferase 1
NP_001116443.1 myxovirus (influenza virus) resistance G
ADO28025.1 n(6)-adenine-specific DNA methyltransferase 1
NP_001188087.1 n(6)-adenine-specific DNA methyltransferase 2
NP_976066.1 N(alpha)-acetyltransferase 15, NatA auxiliary subunit b
NP_001133276.1 N(G),N(G)-dimethylarginine dimethylaminohydrolase 2
XP_001351167.1 N2227-like protein, putative
NP_001135346.1 N6-adenine-specific DNA methyltransferase 2
NP_997872.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF1
BAB60722.1 Na,K-ATPase alpha subunit 3
AAS76479.1 Na/K/Cl cotransporter
AAA30978.1 Na/Pi-cotransporter
BAL41676.1 Na+/Ca2+ exchanger, partial
AEX13746.1 Na+/glucose cotransporter
AAD46576.2 Na+/H+ exchanger NHE-2-like isoform
NP_571761.1 Na+/K+ -ATPase alpha 1 subunit
AAG27058.1 Na+/K+ ATPase alpha subunit isoform 6
AAG27060.1 Na+/K+ ATPase alpha subunit isoform 8
AFM73918.1 Na+/K+ ATPase alpha-1a, partial
AAK33032.1 Na+/K+ ATPase alpha2 subunit
AFM73920.1 Na+/K+ ATPase alpha-3a, partial
AFK29493.1 Na+/K+-ATPase alpha-subunit 1b, partial
AFK29494.1 Na+/K+-ATPase alpha-subunit 1c, partial
YP_724182.1 Na-Ca exchanger/integrin-beta4
NP_001077308.1 N-acetylaspartate synthetase
NP_001091660.1 N-acetylated-alpha-linked acidic dipeptidase-like protein
EGW09385.1 N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2
NP_001099163.1 N-acetyl-D-glucosamine kinase
NP_001007433.2 N-acetylgalactosamine kinase
NP_001018477.1 N-acetylgalactosaminyltransferase 7
NP_001002057.2 N-acetylglucosamine-1-phosphotransferase subunit gamma precursor
NP_001038233.1 N-acetylglucosamine-1-phosphotransferase subunits alpha/beta
ELK25972.1 N-acetylglucosamine-1-phosphotransferase subunits alpha/beta, partial
NP_001025379.1 N-acetylglucosamine-6-sulfatase precursor
NP_001119918.1 N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein

NP_001133311.1 N-acetylneuraminase lyase
 NP_998676.1 N-acetylserotonin O-methyltransferase-like protein
 NP_956938.1 N-acetyltransferase 10
 NP_001187393.1 n-acetyltransferase 14
 EDL85001.1 N-acetyltransferase ARD1 homolog (*S. cerevisiae*) (predicted), isoform CRA_a
 ELK18177.1 N-acetyltransferase NAT13
 ACO13347.1 NACHT, LRR and PYD domains-containing protein 6
 AFK10974.1 NACHT-LRR-PYD domains-containing protein 5-like protein
 NP_001119915.1 N-acylglucosamine 2-epimerase
 NP_001133396.1 N-acylneuraminase cytidyltransferase
 NP_956871.1 N-acylsphingosine amidohydrolase precursor
 NP_001073471.1 NAD kinase b
 NP_001003465.1 NAD kinase domain-containing protein 1
 NP_999921.1 NAD(P) transhydrogenase, mitochondrial
 NP_001187392.1 NAD(P)H dehydrogenase
 NP_001005988.1 NAD-dependent ADP-ribosyltransferase sirtuin-4
 NP_001187449.1 NAD-dependent deacetylase sirtuin-5
 NP_001002071.1 NAD-dependent deacetylase sirtuin-6
 YP_007089372.1 NAD-dependent DNA ligase
 NP_001003627.2 NAD-dependent malic enzyme, mitochondrial
 NP_955890.1 NAD-dependent protein deacetylase sirtuin-2
 NP_998582.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 4, like
 NP_001188222.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 11
 AAH71334.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10
 NP_001188168.1 NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 10
 NP_001188111.1 NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 4
 NP_001187545.1 NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 6
 NP_001187754.1 NADH dehydrogenase (ubiquinone) 1 subunit c2
 NP_001018481.2 NADH dehydrogenase (ubiquinone) Fe-S protein 2
 BAD96975.1 NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase) variant
 NP_001187963.1 NADH dehydrogenase (ubiquinone) iron-sulfur protein 5
 NP_001019591.1 NADH dehydrogenase
 ADO27756.1 NADH dehydrogenase 1 alpha subcomplex assembly factor 4
 ACO09126.1 NADH dehydrogenase 1 alpha subcomplex subunit 10, mitochondrial precursor
 ACN09824.1 NADH dehydrogenase 1 alpha subcomplex subunit 11
 ADO28292.1 NADH dehydrogenase 1 alpha subcomplex subunit 13
 ADO28359.1 NADH dehydrogenase 1 alpha subcomplex subunit 6
 NP_001154054.1 NADH dehydrogenase 1 alpha subcomplex subunit 8
 ACQ58220.1 NADH dehydrogenase 1 alpha subcomplex subunit 9, mitochondrial precursor
 ACO08149.1 NADH dehydrogenase 1 beta subcomplex subunit 11, mitochondrial precursor
 ACO10172.1 NADH dehydrogenase flavoprotein 1, mitochondrial precursor
 ACO51781.1 NADH dehydrogenase iron-sulfur protein 3, mitochondrial precursor
 ACI69375.1 NADH dehydrogenase iron-sulfur protein 8, mitochondrial precursor
 NP_956483.1 NADH-cytochrome b5 reductase 1
 ACM08211.1 NADH-cytochrome b5 reductase 2
 ACI33240.1 NADH-cytochrome b5 reductase 3
 NP_001007766.1 NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial
 YP_007232506.1 NADH-ubiquinone oxidoreductase subunit B
 CAM60094.1 nad1.1
 CAP71957.1 nad1.2
 NP_001134607.1 NADP+-arginine ADP-ribosyltransferase 1 precursor
 ACO10133.1 NADP-dependent leukotriene B4 12-hydroxydehydrogenase
 NP_001082825.1 NADP-dependent malic enzyme, mitochondrial
 ACN10606.1 NADP-dependent malic enzyme, mitochondrial precursor
 AAH49440.1 NADPH dependent diflavin oxidoreductase 1
 NP_001095857.1 NADPH oxidase 1
 EGV95966.1 NADPH oxidase 3
 NP_001071052.1 NADPH oxidase organizer 1a
 ACN10454.1 NADPH--cytochrome P450 reductase
 NP_956942.1 NADPH-dependent diflavin oxidoreductase 1
 AAH50171.1 Nae1 protein
 AAH12194.1 NAGPA protein
 AAR97733.1 Na-K-Cl cotransporter
 NP_001182544.1 naked cuticle-like protein 3
 NP_998499.1 N-alpha-acetyltransferase 10, NatA catalytic subunit
 ELV12998.1 N-alpha-acetyltransferase 20, NatB catalytic subunit
 NP_001129721.2 N-alpha-acetyltransferase 30, NatC catalytic subunit
 NP_955844.1 N-alpha-acetyltransferase 35, NatC auxiliary subunit
 NP_001017632.1 N-alpha-acetyltransferase 40
 NP_001076341.1 N-alpha-acetyltransferase 60
 NP_001091862.1 nanog homeobox
 AFQ60633.1 Nano-lantern_Ca2+_CaM-2G
 AFQ60639.1 Nano-lantern_cAMP-0.4
 BAJ76659.1 nanos
 ADM18964.2 NaPi-IIb cotransporter protein
 AAY43161.1 napor protein isoform
 AAY43159.1 napor protein short isoform
 NP_001187728.1 N-arachidonyl glycine receptor
 NP_001038180.2 nardilysin

ACN58693.1 Nardilysin precursor
ACM08317.1 Nascent polypeptide-associated complex subunit alpha
NP_001180281.1 nascent polypeptide-associated complex subunit alpha isoform 1
NP_942095.2 natriuretic peptide precursor A precursor
NP_001154813.1 natriuretic peptide precursor C-like protein precursor
ABA00142.1 natriuretic peptide receptor type B
BAA06711.1 natriuretic peptide receptor type-C
BAA33561.1 natriuretic peptide receptor-A
ADO27823.1 natterin-like protein
AAU29515.1 natural killer cell enhancing factor
NP_001165984.1 natural resistance associated macrophage protein beta
NP_001187029.1 natural resistance-associated macrophage protein large transcript
AAH80292.1 Nav1 protein, partial
AAK55437.2 Nav1.4b
AAO23570.1 Nav1.5Lb
ABD38933.1 Nav1.6a
AAK55441.1 Nav1.6b
ACO24953.1 N-cadherin
AAI62675.1 Ncam1 protein
CAM60097.1 ncam2
CAM60059.1 ncam3
NP_001012970.1 N-chimaerin
NP_957291.1 NCK adaptor protein 2a
NP_001131137.1 nck-associated protein 1
NP_001107884.1 nck-associated protein 1-like
CBN81031.1 Ncoa3 protein
AAH49398.1 Ndpkz4 protein
ACN11157.1 NDRG3
NP_001013589.1 nebullette
CBN81451.1 Nebulin-related-anchoring protein
NP_956081.1 NEDD4-binding protein 1
NP_001073436.1 NEDD4-binding protein 2
CBN81769.1 NEDD4-like E3 ubiquitin-protein ligase WWP1
NP_001092918.1 NEDD4-like E3 ubiquitin-protein ligase WWP2
NP_001167273.1 NEDD8 ultimate buster 1
NP_998632.1 NEDD8-activating enzyme E1 catalytic subunit
NP_001133355.1 NEDD8-activating enzyme E1 regulatory subunit
NP_001167389.1 NEDD8-conjugating enzyme Ubc12
NP_998479.1 NEDD8-conjugating enzyme UBE2F
ABO92968.1 NEDD9
NP_956462.1 negative elongation factor B
NP_957484.1 negative elongation factor complex member C/D
ACD99694.1 N-EGFP/amyloid beta precursor protein fusion protein
ACD99686.1 N-EGFP/biogenesis of lysosome-related organelles complex-1 subunit 1 fusion protein
ACD99689.1 N-EGFP/eukaryotic translation initiation factor 2 subunit 1 alpha fusion protein
AAQ97820.1 nei endonuclease VIII-like 1
NP_001017201.1 nei endonuclease VIII-like 3
ACQ58436.1 Neighbor of COX4
NP_001133618.1 NEL protein precursor
NP_001157539.1 NEL-like 2b precursor
BAG49076.1 nemo-like kinase 2
CAM60069.1 neo1
AAI24156.1 Neo1 protein
ELK33883.1 Neogenin
NP_775325.1 neogenin precursor
NP_001035777.1 nephrin precursor
NP_001070638.1 nephrocystin-1
NP_001189370.1 nephrocystin-3
NP_001139052.1 nephronectin precursor
AEY63646.1 nephronectin variant 1
AEY63647.1 nephronectin variant 2
NP_001098206.1 nephrosin precursor
NP_954680.1 nerve growth factor precursor
NP_001185589.1 nerve growth factor receptor b precursor
AAH50490.1 N-ethylmaleimide-sensitive factor
NP_001002469.1 N-ethylmaleimide-sensitive factor attachment protein, gamma
NP_001019625.1 N-ethylmaleimide-sensitive factor b
NP_571104.1 netrin 1a precursor
NP_001030157.1 netrin receptor DCC
NP_001107937.1 netrin receptor UNC5A
NP_001104619.1 netrin receptor UNC5B precursor
NP_001093454.1 netrin receptor UNC5C precursor
NP_001032492.1 netrin-3
CBN81793.1 Netrin-G1
NP_001139942.1 Netrin-G1 ligand precursor
ABO30984.1 Neu3.1
NP_001032793.2 neudesin precursor
NP_001096144.1 neuferricin precursor
AAK51526.1 neurabin

AAI62464.1 Neural adhesion molecule L1.2
ADV17403.1 neural cell adhesion molecule 1 isoform 1
NP_571906.1 neural cell adhesion molecule 1b precursor
NP_571905.1 neural cell adhesion molecule 2 precursor
CBN80964.1 Neural cell adhesion molecule L1-like protein
NP_001156578.1 neural cell adhesion molecule L1-like protein precursor
AAT02665.1 neural friend of GATA-A
AAT09761.1 neural orphan nuclear receptor Nurr1
AAH55645.1 Neural precursor cell expressed, developmentally down-regulated 8
NP_001167327.1 neural proliferation, differentiation and control, 1 precursor
NP_001076475.1 neural Wiskott-Aldrich syndrome protein
NP_001071026.1 neuralized-like protein 1A
ELW63614.1 Neuralized-like protein 4
ACM45582.1 neuregulin 1 type IIb12 isoform
ACM45586.1 neuregulin 2a b2 isoform
NP_001138563.1 neuregulin 2b
NP_001080522.1 neurensin 1
NP_956253.1 neurensin-1
NP_001073490.1 neurexin 1a precursor
NP_001073439.1 neurexin 2a precursor
NP_001073453.1 neurexin 2b precursor
NP_001073478.1 neurexin 3a precursor
NP_064649.2 neurexin II isoform 2 precursor
CBN81577.1 Neurexin-1-alpha
EHB04919.1 Neurexin-2-alpha
ELW49877.1 Neurexin-3-alpha
NP_001002733.1 neurexophilin-1 precursor
NP_001122217.1 neuritin 1-like b precursor
NP_001002507.1 neuritin precursor
EGW02379.1 Neurobeachin
NP_001013518.1 neurobeachin a
EAX08541.1 neurobeachin, isoform CRA_a
EAX08543.1 neurobeachin, isoform CRA_c
AES02635.1 neuroblastoma amplified sequence, partial
AAH76419.1 Neuroblastoma RAS viral (v-ras) oncogene homolog
ABD85494.1 neuroblastoma-amplified protein-like
NP_001038272.1 neuroblastoma-amplified sequence
EHB18264.1 Neurocalcin-delta
NP_001003776.1 neurocalcin-delta B
ELW67125.1 Neurocan core protein
NP_001131134.1 neuroendocrine convertase 1 precursor
ELK03947.1 Neuroendocrine convertase 2
ACI33576.1 Neuroendocrine convertase 2 precursor
NP_957020.1 neuroendocrine protein 7B2 precursor
NP_001007768.1 neuroepithelial cell-transforming gene 1 protein
NP_001139239.1 neurofascin precursor
CBN80941.1 Neurofascin, partial
EHB04372.1 Neurofibromin
EAW80267.1 neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease), isoform CRA_a
AAI08006.1 Neurofibromin 2 (bilateral acoustic neuroma)
NP_998116.1 neurofibromin 2b (merlin)
EFY87643.1 Neurofilament triplet H protein
AAI62120.1 Neurog3 protein
AAI62129.1 Neurogenic differentiation 2
NP_571053.1 neurogenic differentiation factor 1
NP_739568.1 neurogenic differentiation factor 4
NP_571377.2 neurogenic locus notch homolog protein 1 precursor
NP_571624.2 neurogenic locus notch homolog protein 3 precursor
ELV13157.1 Neurogenic locus notch like protein 1
NP_571116.1 neurogenin-1
NP_001117861.1 neuroglobin-2
NP_001074129.1 neurogranin (protein kinase C substrate, RC3) b
NP_938187.2 neuroguidin
AFN07677.1 neurokinin 1b receptor
ADB12617.1 neuroigin 1
NP_001159808.1 neuroigin 2a
ADB12619.1 neuroigin 2b
NP_001159801.1 neuroigin 2b precursor
ADB12620.1 neuroigin 3a
ADB12621.1 neuroigin 3b
NP_001159806.1 neuroigin 3b precursor
ADB12622.1 neuroigin 4a
ADB12623.1 neuroigin 4b
NP_001135737.1 neuroigin-1
NP_001159804.1 neuroigin-3
NP_001159803.1 neuroigin-4, X-linked
NP_001159809.1 neuroigin-4, Y-linked precursor
AAL11440.1 neuroin-like cell adhesion molecule
NP_001038608.1 neuron navigator 3

EHB17796.1 Neuronal acetylcholine receptor subunit alpha-4
 NP_001017885.1 neuronal acetylcholine receptor subunit alpha-5 precursor
 NP_957513.1 neuronal acetylcholine receptor subunit alpha-7
 NP_001117911.1 neuronal acetylcholine receptor subunit alpha-9-I precursor
 NP_001117991.1 neuronal acetylcholine receptor subunit alpha-9-II precursor
 AAB61613.1 neuronal calcium channel alpha 1A subunit isoform A-1
 EHA99921.1 Neuronal calcium sensor 1
 NP_001038270.1 neuronal cell adhesion molecule precursor
 EHB15685.1 Neuronal cell adhesion molecule, partial
 NP_001003851.1 neuronal growth regulator 1 precursor
 NP_998365.1 neuronal membrane glycoprotein M6-a
 AAB41402.1 neuronal myosin light chain kinase 1
 NP_001038562.1 neuronal nicotinic acetylcholine receptor alpha-7 subunit-like precursor
 NP_840084.1 neuronal PAS domain protein 2
 NP_001038786.1 neuronal PAS domain-containing protein 4
 NP_001118101.1 neuronal-type voltage-gated calcium channel subunit Cav2.2
 NP_957167.1 neuron-specific protein family member 2
 ACI66524.1 Neuropeptide B precursor
 NP_001098579.1 neuropeptide FF receptor 2.1
 NP_899189.2 neuropeptide FF-amide peptide precursor like precursor
 AEM75018.1 neuropeptide Y
 NP_001095861.1 neuropeptide Y receptor type 1
 NP_001007219.1 neuropeptide Y receptor Y7
 NP_571511.1 neuropeptide Y receptor Y8b
 AAR11553.1 neuropilin 1b
 NP_991237.1 neuropilin 1b precursor
 AAR87831.1 neuropilin 2a
 AAR11555.1 neuropilin 2b
 NP_998131.1 neuropilin 2b precursor
 ELK31682.1 Neuropilin and tolloid-like protein 1
 BAC53657.1 neuropilin-1
 CBN81750.1 Neuropilin-1a
 ELW70817.1 Neuropilin-2
 ACM08842.1 Neuropilin-2 precursor
 NP_001153628.1 neuroplastin precursor
 ELK13584.1 Neuroserpin
 NP_001122164.1 neuroserpin precursor
 ACO10031.1 Neurotensin/neuromedin N precursor
 CAA64068.1 neurotransmitter receptor subunit
 AEX01236.1 neurotrophic tyrosine kinase receptor type 1, partial
 AEX01238.1 neurotrophic tyrosine kinase receptor type 3b, partial
 AAD09444.1 neurotrophin receptor B xTrkB-beta, partial
 NP_571139.1 neurotrophin-7 precursor
 NP_001177684.1 neutral amino acid transporter B(0)
 ADH21445.1 neutral amino acid transporter SLC1A4
 NP_001007764.1 neutral ceramidase
 EGW09989.1 Neutrophil cytosol factor 4
 BAF73666.1 neutrophil cytosolic factor 1
 BAF73667.1 neutrophil cytosolic factor 2
 BAF73668.1 neutrophil cytosolic factor 4
 NP_001077324.2 nexilin
 AAH90421.1 Nfatc2ip protein, partial
 AAI62497.1 Nfe2l1 protein
 AAW68011.1 NF-kappaB essential modulator
 NP_001014366.1 NF-kappa-B essential modulator
 NP_001122267.1 NF-kappa-B inhibitor beta
 NP_001073558.1 NF-kappa-B inhibitor epsilon
 ADO28115.1 nf-kappa-b inhibitor-interacting ras-like protein 1
 NP_001188100.1 nf-kappa-b inhibitor-interacting ras-like protein 2
 NP_001003414.1 NF-kappa-B-activating protein
 NP_001116180.1 NFU1 iron-sulfur cluster scaffold homolog, mitochondrial
 AAI55103.1 Nfyc protein
 NP_001107954.1 NGFI-A-binding protein 2
 AES02894.1 NHL repeat containing 2, partial
 CBN81446.1 NHL repeat-containing protein 2
 ACI33155.1 NHL repeat-containing protein 3 precursor
 ACQ58311.1 NHP2-like protein 1
 NP_001074055.1 niban-like protein 1
 AAH56523.2 Nicalin
 AAI62515.1 Nicastrin
 NP_001188017.1 nicolin-1
 NP_001188162.1 nicotinamide mononucleotide adenylyltransferase 1
 NP_956298.1 nicotinamide mononucleotide adenylyltransferase 2
 NP_001104716.2 nicotinamide N-methyltransferase
 ABS86775.1 nicotinamide nucleotide adenylyltransferase 2
 CBN80952.1 Nicotinamide phosphoribosyltransferase
 NP_957184.2 nicotinate phosphoribosyltransferase
 AEL23189.1 nicotinic acetylcholine receptor subunit epsilon
 ACI68678.1 Nicotinic acid receptor 1

NP_001233616.1 Niemann-Pick C1 protein precursor
 AEG75264.1 Niemann-Pick disease type C1 protein
 NP_001025139.1 NIF3-like protein 1
 CAH19214.1 NILT1 leucocyte receptor
 CAH19215.1 NILT2 leucocyte receptor
 ADV31326.1 NILT3
 NP_001153965.1 NILT3 leukocyte receptor precursor
 ADV31327.1 NILT4
 AAH99988.1 NIMA (never in mitosis gene a)-related kinase 8
 XP_001350680.1 NIMA-related protein kinase, Pfnk-1
 AAI35045.1 Nin protein
 AER42434.1 ninein-like protein
 NP_001002634.1 NIPA-like protein 3
 BAK23967.1 nipped-B like a
 NP_001134269.1 NipSnap homolog 2
 NP_001134867.1 NipSnap homolog 3A
 NP_001154069.1 NipSnap2
 NP_001187303.1 nipsnap-like 1
 NP_001187295.1 nipsnap-like 2
 AEV43390.1 nitric oxide synthase 2A, partial
 ABY51620.1 nitric oxide synthase 2b
 NP_001106973.1 nitric oxide synthase 2b, inducible
 NP_571735.1 nitric oxide synthase, brain
 NP_001007435.1 nitric oxide synthase-interacting protein
 NP_001107900.1 nitric oxide-associated protein 1
 NP_001004638.1 nitrilase homolog 1
 NP_998713.1 NK1 transcription factor related 2-like,b
 AAI62307.1 NK2 homeobox 1a
 AAI62660.1 NK2 homeobox 1b
 NP_571494.1 NK2 transcription factor related 7
 NP_001013342.1 NK3 homeobox 3
 NP_001093386.1 NK6 homeobox 1
 ABN51168.1 NKAIN2 transcript variant 2
 NP_001187137.1 NK-lysin type 1 precursor
 AAH95277.1 Nktr protein
 AAH91676.1 NKX2-8 protein, partial
 AAH32567.1 NLGN4Y protein
 EGV99100.1 NLR family member X1
 ACM45226.1 NLRC3 receptor
 NP_955894.1 N-lysine methyltransferase setd6
 ELK23292.1 N-lysine methyltransferase SMYD2
 NP_001013568.1 N-lysine methyltransferase SMYD2-A
 ABY26543.1 NMDA receptor NR2A subunit
 ABY26544.1 NMDA receptor NR2C subunit
 CAP70078.1 NMDA receptor subunit NR1
 AAN65280.1 NMDA receptor subunit NR2B
 NP_001137373.1 NMDA receptor synaptonuclear signaling and neuronal migration factor
 ACN10545.1 NMDA receptor-regulated protein 1
 AAI53641.1 Nme4 protein
 CAP08279.1 N-methyl D-aspartate receptor subunit 2D
 AFK32775.1 N-methyl-D-aspartate receptor subunit NR1, partial
 YP_007172830.1 N-methylhydantoinase B/acetone carboxylase subunit alpha
 NP_001038638.1 N-myc downstream regulated gene 4
 NP_991152.1 nociceptin receptor
 ABD83886.1 NOD3 protein-like
 ABU89560.1 NOD-like receptor C
 NP_001185778.1 noelin isoform 2 precursor
 ACN10515.1 Noelin precursor
 NP_997882.1 noelin-2
 CAE49533.1 noggin 3
 ACO09418.1 Noggin-1 precursor
 NP_001072067.1 noggin2 precursor
 NP_001133241.1 Nogo-B receptor
 NP_001002356.1 nogo-B receptor precursor
 NP_001134598.1 NOL1/NOP2/Sun domain family, member 4
 ADO27910.1 non-homologous end-joining factor 1
 NP_001108355.1 non-muscle caldesmon
 AAA61765.1 nonmuscle myosin heavy chain-A, partial
 NP_963873.1 non-POU domain-containing octamer-binding protein
 NP_001187110.1 nonspecific cytotoxic cell cationic anti-microbial protein-1
 NP_957159.1 non-specific lipid-transfer protein
 ACT66383.1 Non-structural maintenance of chromosomes element 1 homolog
 NP_001018359.1 non-structural maintenance of chromosomes element 4 homolog A
 AAH85643.1 NOP14 nucleolar protein homolog (yeast)
 AAH56732.1 Nop56 protein
 NP_001107076.1 nostrin
 CAQ14613.1 notch homolog 2
 NP_001018418.1 notchless protein homolog 1
 NP_852473.1 notch-regulated ankyrin repeat-containing protein B

NP_571879.1 nothepsin
 AAI65335.1 Nots protein
 CAI21029.1 novel flavin monooxygenase protein
 CAD87782.1 novel gene similar to Cas-Br-M (murine) ecotropic retroviral transforming sequence (CBL)
 NP_001117770.1 novel immune-type receptor 1 precursor
 NP_001020667.1 novel immune-type receptor 12 precursor
 NP_001187169.1 novel immune-type receptor 12a precursor
 NP_001187171.1 novel immune-type receptor 14 precursor
 NP_001187172.1 novel immune-type receptor 15a precursor
 NP_001187173.1 novel immune-type receptor 15b precursor
 NP_001117771.1 novel immune-type receptor 2
 NP_001187023.1 novel immune-type receptor 2 precursor
 NP_001187025.1 novel immune-type receptor 4 precursor
 CAQ15370.1 novel kruppel-like factor protein
 CAM13173.1 novel protein (zgc:113046)
 CAK11013.1 novel protein (zgc:55604)
 CAK04159.1 novel protein (zgc:55655)
 CAK04114.1 novel protein (zgc:56258)
 CAQ13580.1 novel protein (zgc:63632)
 CAQ13581.1 novel protein (zgc:73297)
 CAN87975.1 novel protein (zgc:77289)
 CAM56631.1 novel protein (zgc:77752)
 CAQ14256.1 novel protein (zgc:85741)
 CAI11594.1 novel protein (zgc:85809)
 CAE49581.1 novel protein
 CAI21298.1 novel protein containing a homocysteine S-methyltransferase domain
 CAK04616.1 novel protein containing a vitamin K-dependent carboxylation/gamma-carboxyglutamic (GLA) domain (zgc:101601)
 CAQ14221.1 novel protein containing a WW domain and PDZ domains (Also known as DHR or GLGF)
 CAK04853.1 novel protein containing an Acyl-CoA dehydrogenase, N-terminal and C-terminal domain
 CAI11899.1 novel protein containing an SNF2 family N-terminal domain and a Helicase conserved C-terminal domain
 CAM14210.1 novel protein containing ankyrin repeats
 CAI11836.1 novel protein containing multiple scavenger receptor cysteine-rich (SRCR) domains similar to vertebrate deleted in malignant brain tumors 1 (DMBT1)
 CAJ83966.1 novel protein containing SH3 domain similar to RICS (Rho GTPase-activating protein)
 CAM15635.1 novel protein containing zona pellucida-like domains (sidkeyp-507.2)
 CAD58730.1 novel protein similar to alpha 2 type V collagen col5a2
 CAE47765.1 novel protein similar to angiopoietins
 CAD43422.1 novel protein similar to calcium channel proteins
 CAD60788.1 novel protein similar to DNA polymerases
 CAK04900.1 novel protein similar to fly cactin (cactin)
 CAE47759.1 novel protein similar to glycosyltransferases
 CAX14795.1 novel protein similar to H.sapiens CNM2, cyclin M2 (CNM2)
 CAX13636.1 novel protein similar to H.sapiens CRTAC1, cartilage acidic protein 1 (CRTAC1)
 CAQ13827.1 novel protein similar to H.sapiens family with sequence similarity 20
 CAX13065.1 novel protein similar to H.sapiens IDE, insulin-degrading enzyme (IDE, zgc:162603)
 CAX12676.1 novel protein similar to H.sapiens NSUN4, NOL1/NOP2/Sun domain family, member 4 (NSUN4, zgc:101708)
 CAP19487.1 novel protein similar to H.sapiens ral guanine nucleotide dissociation stimulator (zgc:77299)
 CAE30421.1 novel protein similar to human and mouse CpG binding protein (CGBP)
 CAE17640.1 novel protein similar to human and mouse kinase suppressor of ras (KSR)
 CAI20723.2 novel protein similar to human and mouse NIMA (never in mitosis gene a)-related kinase 1 (NEK1)
 CAQ14649.1 novel protein similar to human and mouse SKB1 homolog (S. pombe)
 CAQ15497.1 novel protein similar to human and mouse stereocilin (STRC)
 CAE30428.1 novel protein similar to human and rodent metabotropic glutamate receptors (GRM)
 CAQ13802.1 novel protein similar to human Ca2+ dependent activator protein for secretion (CADPS)
 CAQ15258.1 novel protein similar to human chromosome 14 open reading frame 115 (C14orf115)
 CAE30408.1 novel protein similar to human chromosome 4 open reading frame 1 (C4orf1)
 CAE48997.1 novel protein similar to human conserved protein (gene) telomeric to alpha globin cluster (CGTHBA)
 CAD43436.1 novel protein similar to human cystatin
 CAE30363.1 novel protein similar to human EGF LAG seven-pass G-type receptor 1 cadherin (CELSR1)
 CAD52123.1 novel protein similar to human growth arrest-specific protein 2 (GAS2)
 CAE17623.2 novel protein similar to human H326 protein
 CAD43427.1 novel protein similar to human intersectin (SH3 domain protein, ITSN1)
 CAD58772.1 novel protein similar to human isovaleryl Coenzyme A dehydrogenase (IVD)
 CAD60815.1 novel protein similar to human MCF.2 cell line derived transforming sequence (MCF2)
 CAE30366.1 novel protein similar to human non-muscle myosin, heavy polypeptide 10 (MYH10)
 CAE47767.1 novel protein similar to human oligophrenin 1 (OPHN1)
 CAD52124.1 novel protein similar to human polycystic kidney disease 2-like 1 (PKD2L1)
 CAD52120.1 novel protein similar to human procadherin 15 (PCDH15)
 CAQ14853.1 novel protein similar to human ring finger protein 123 (RNF123)
 CAD43460.1 novel protein similar to human signal transduction and activator of transcription 4 (STAT4)
 CAE17634.2 novel protein similar to human telomerase-associated protein 1 (TEP1)
 CAD60810.1 novel protein similar to human THO complex 2 (THOC2)
 CAD60685.2 novel protein similar to human titin (TTN)
 CAD43431.1 novel protein similar to human upstream binding transcription factor, RNA polymerase I (UBTF)
 CAD60650.1 novel protein similar to human voltage-dependent calcium channel L type, alpha 1D subunit (CACNA1D)
 CAD43424.2 novel protein similar to human voltage-gated L-type calcium channel subunit (lsl)
 CAQ13630.1 novel protein similar to inositol polyphosphate-4-phosphatase, type I (inpp4a)
 CAK04427.1 novel protein similar to laminin beta 1 (lamb1)
 CAH68844.1 novel protein similar to lectins
 CAH69071.1 novel protein similar to mouse and human mitochondrial ribosomal protein L46 (MRPL46)

CAK04233.1 novel protein similar to mouse and human Rho guanine nucleotide exchange factor (GEF) 17 (ARHGEF17)
 CAE49579.1 novel protein similar to mouse and rodent cholinergic receptor, nicotinic, alpha polypeptide 7 (CHRNA7)
 CAK05295.1 novel protein similar to mouse translin-associated factor X (Tsnax) interacting protein 1 (Tsnaxip1)
 CAP09621.1 novel protein similar to phosphatase and actin regulator 3 (PHACTR3, zgc:109967)
 CAQ15069.1 novel protein similar to sorting nexin 9 (snx9)
 CAI21099.1 novel protein similar to tyrosine hydroxylase (th)
 CAX13439.1 novel protein similar to vertebrate actin filament associated protein 1-like 1 (AFAP1L1, zgc:114084)
 CAK10842.1 novel protein similar to vertebrate adenosine deaminase, RNA-specific, B2 (ADARB2)
 CAN87940.1 novel protein similar to vertebrate ADP-ribosylation factor-like 15 (ARL15)
 CAK04164.1 novel protein similar to vertebrate aftiphilin protein (AFTIPHILIN)
 CAQ15179.1 novel protein similar to vertebrate Alstrom syndrome 1 (ALMS1)
 CAQ14854.1 novel protein similar to vertebrate amphoterin-induced gene and ORF 3 (AMIGO3)
 CAD43463.1 novel protein similar to vertebrate anaplastic lymphoma kinase (ALK) and leukocyte tyrosine kinase receptor precursor (LTK or TYK1)
 CAM56622.1 novel protein similar to vertebrate anillin, actin binding protein (scraps homolog, Drosophila) (ANLN)
 CAM56537.1 novel protein similar to vertebrate beta1,4-N-acetylgalactosaminyltransferases IV (Beta4GalNAc-T4)
 CAK10913.1 novel protein similar to vertebrate BTB (POZ) domain containing family
 CAK04987.1 novel protein similar to vertebrate calcitonin receptor (CALCR)
 CAQ15509.1 novel protein similar to vertebrate calcium channel, voltage-dependent, beta 4 subunit (CACNB4, zgc:136550)
 CAD43420.1 novel protein similar to vertebrate caldesmon 1 (CALD1)
 CAK11015.1 novel protein similar to vertebrate cathepsin L (CTSL)
 CAQ13805.1 novel protein similar to vertebrate chemokine (C-X-C motif) receptor 3 (CXCR3)
 CAM15629.1 novel protein similar to vertebrate chloride intracellular channel 4 (CLIC4) (zgc:77538)
 CAQ14219.1 novel protein similar to vertebrate cholecystokinin receptor
 CAK04565.1 novel protein similar to vertebrate chromosome 6 open reading frame 31 (C6orf31)
 CAK05003.1 novel protein similar to vertebrate chromosome 6 open reading frame 32 (C6orf32)
 CAQ13355.1 novel protein similar to vertebrate complement component 3 (C3)
 CAM14211.1 novel protein similar to vertebrate cyclin L1 (CCNL1)
 CAQ13700.1 novel protein similar to vertebrate cysteine-rich, angiogenic inducer, 61 (CYR61)
 CAN88410.1 novel protein similar to vertebrate DAB2 interacting protein (DAB2IP)
 CAK04442.1 novel protein similar to vertebrate discs, large homolog 3 (neuroendocrine-dlg, Drosophila) (DLG3)
 CAQ15104.1 novel protein similar to vertebrate ectonucleoside triphosphate diphosphohydrolase 6 (putative function) (ENTPD6)
 CAK04263.1 novel protein similar to vertebrate Eph receptor A7 (EPHA7)
 CAP19482.1 novel protein similar to vertebrate ER degradation enhancer, mannosidase alpha-like 3 (EDEM3)
 CAQ15527.1 novel protein similar to vertebrate F-box and leucine-rich repeat protein 4 (FBXL4)
 CAM15224.1 novel protein similar to vertebrate fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94) (FER)
 CAM56556.1 novel protein similar to vertebrate FK506 binding protein 10, 65 kDa (FKBP10)
 CAI11956.2 novel protein similar to vertebrate formyltetrahydrofolate synthetase domain containing 1 (FTHFSDC1)
 CAQ15495.1 novel protein similar to vertebrate furin (paired basic amino acid cleaving enzyme) (FURIN)
 CAK04056.1 novel protein similar to vertebrate gamma-aminobutyric acid (GABA) B receptor, 1 (GABBR1)
 CAN88734.1 novel protein similar to vertebrate heat shock 27kDa protein 3 (HSPB3)
 CAM16013.1 novel protein similar to vertebrate hexosaminidase A (alpha polypeptide) (HEXA)
 CAK10783.1 novel protein similar to vertebrate homeodomain interacting protein kinase 1 (HIPK1)
 CAK03700.1 novel protein similar to vertebrate importin 8 (IPO8)
 CAK04779.1 novel protein similar to vertebrate importin family
 CAK05352.1 novel protein similar to vertebrate inositol 1,4,5-triphosphate receptor, type 2 (ITPR2)
 CAM46908.1 novel protein similar to vertebrate intersectin (SH3 domain protein)
 CAM46910.1 novel protein similar to vertebrate laminin EGF-like (Domains III and V) family
 CAK04984.1 novel protein similar to vertebrate leprecan-like family
 CAQ13698.1 novel protein similar to vertebrate leucine rich repeat containing 8 family
 CAM56333.1 novel protein similar to vertebrate mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (MGAT1)
 CAX14015.1 novel protein similar to vertebrate MAP/microtubule affinity-regulating kinase 3 (MARK3, zgc:153725)
 CAK05316.1 novel protein similar to vertebrate mitogen-activated protein kinase 8 interacting protein 2 (MAPK8IP2)
 CAM46906.1 novel protein similar to vertebrate monooxygenase, DBH-like 1 (MOXD1)
 CAK10917.1 novel protein similar to vertebrate myosin 5 family
 CAK11237.1 novel protein similar to vertebrate nebulin (NEB)
 CAN88735.1 novel protein similar to vertebrate nephronophthisis 4 (NPHP4)
 CAK10957.1 novel protein similar to vertebrate nuclear factor, interleukin 3 regulated (NFIL3)
 CAM13426.1 novel protein similar to vertebrate nuclear receptor subfamily 3, group C, member 2 (NR3C2)
 CAQ14846.1 novel protein similar to vertebrate nuclear transcription factor Y, alpha (NFYA)
 CAX12847.1 novel protein similar to vertebrate odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2)
 CAM56632.1 novel protein similar to vertebrate outer dense fiber of sperm tails 3 (ODF3) (zgc:63985)
 CAK05293.1 novel protein similar to vertebrate par-6 partitioning defective 6 homolog (C.elegans) family
 CAI20814.2 novel protein similar to vertebrate PCTAIRE protein kinase 2 (PCTK2)
 CAM56444.1 novel protein similar to vertebrate pentaxin-related gene, rapidly induced by IL-1 beta (PTX3)
 CAQ13359.1 novel protein similar to vertebrate persephin (PSPN)
 CAQ15253.1 novel protein similar to vertebrate phosphatidylinositol binding clathrin assembly protein (PICALM)
 CAK10742.1 novel protein similar to vertebrate phospholipase A2, group VI (PLA2G6) (zgc:77476)
 CAQ13264.1 novel protein similar to vertebrate phospholipase C-like 3 (PLCL3)
 CAI11876.1 novel protein similar to vertebrate protein kinase lysine deficient 1 (PRKWNK1)
 CAM14100.1 novel protein similar to vertebrate RAB6 interacting protein 2 (RAB6IP2)
 CAQ15481.1 novel protein similar to vertebrate ring finger and WD repeat domain 2 (RFWD2, zgc:163067)
 CAK04313.1 novel protein similar to vertebrate scinderin (SCIN)
 CAI12052.1 novel protein similar to vertebrate SH3 multiple domains 2 (SH3MD2)
 CAK04781.1 novel protein similar to vertebrate SLIT-ROBO Rho GTPase activating protein family
 CAX12842.1 novel protein similar to vertebrate sorbin and SH3 domain containing 2 (SORBS2)
 CAH68877.2 novel protein similar to vertebrate spectrin repeat containing, nuclear envelope 1 (SYNE1)
 CAM56615.1 novel protein similar to vertebrate SUMO1/sentrin specific protease family
 CAQ13812.1 novel protein similar to vertebrate titin (TTN)
 CAK05007.1 novel protein similar to vertebrate TRAF and TNF receptor associated protein (TTRAP)

CAM56558.1 novel protein similar to vertebrate vacuolar protein sorting 52 (yeast) (VSP52)
 CAM56332.1 novel protein similar to vertebrate valyl-tRNA synthetase 2-like (VAR52L)
 CAQ13815.1 novel protein similar to vertebrate vasodilator-stimulated phosphoprotein (VASP)
 CAE50430.1 novel protein similar to vertebrate voltage-dependent calcium channel P/Q type alpha 1 subunit (CACNA1)
 CAK10892.1 novel protein similar to vertebrate zinc finger protein 384 (ZNF384)
 CAE30437.1 novel protein similar to zebrafish epithelial cadherin 1 (cdh1)
 CAD24437.2 novel protein similar to zinc finger proteins
 CAN88386.1 novel protein with a Zinc knuckle domain
 CBN81351.1 Novel protein with Lectin C-type domains
 CAM56633.1 novel zinc finger protein
 AAT68031.1 NP95
 AAH95358.1 Npat protein
 AAI22198.1 Npm2 protein
 AAI63909.1 Nr5a5 protein
 AAI62651.1 Nr6a1a protein
 AAH44537.1 Nrf1 protein
 AAI33731.1 Nrp1b protein
 AAQ97822.1 NS1-associated protein 1
 AAH68189.1 Nsf1c protein, partial
 NP_001116740.1 N-sulphoglucosamine sulphohydrolase precursor
 NP_001243593.1 NT-3 growth factor receptor precursor
 NP_001187292.1 n-terminal asparagine amidohydrolase
 NP_001017848.1 N-terminal EF-hand calcium-binding protein 1
 NP_001025366.1 N-terminal EF-hand calcium-binding protein 2
 ACO13337.1 NTF2-related export protein 2
 AAH92731.1 Ntf3 protein, partial
 CAP71949.2 ntn1b
 AAI63393.1 Ntn1b protein
 AAI63582.1 Ntn4 protein
 AAH64668.1 Nubp1 protein
 AAO46055.1 nuclear antigen-3B
 NP_001119877.1 nuclear apoptosis-inducing factor 1
 NP_956076.1 nuclear autoantigenic sperm protein
 NP_001158814.1 nuclear cap-binding protein subunit 1
 NP_001085510.1 nuclear cap-binding protein subunit 1-A
 NP_001025374.1 nuclear distribution protein nudE homolog 1
 NP_958501.1 nuclear distribution protein nudE-like 1-A
 NP_958464.1 nuclear distribution protein nudE-like 1-B
 NP_998396.1 nuclear factor (erythroid-derived 2)-like 3
 NP_001073431.1 nuclear factor 1 A-type
 ABW77494.1 nuclear factor erythroid derived 2-like protein 1
 CAA48259.1 nuclear factor I-A6
 NP_001135291.1 nuclear factor interleukin-3-regulated protein
 NP_001001840.2 nuclear factor NF-kappa-B p100 subunit
 NP_956189.1 nuclear factor of activated T-cells 5
 NP_001038624.1 nuclear factor of activated T-cells, cytoplasmic 1
 BAM62633.1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1, partial
 NP_998349.1 nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha 4
 NP_001229964.1 nuclear factor related to kappa-B-binding protein
 AAI62224.1 Nuclear factor, erythroid-derived 2
 NP_001183994.1 nuclear factor, interleukin 3 regulated, member 2
 NP_001183995.1 nuclear factor, interleukin 3 regulated, member 4
 ACO09737.1 Nuclear migration protein nudC
 ADO28157.1 nuclear nucleic acid-binding protein c1d
 AAC64706.1 nuclear oncoprotein
 NP_571013.1 nuclear oncoprotein skib
 NP_001025338.1 nuclear pore complex protein Nup107
 NP_998696.1 nuclear pore complex protein Nup133
 ELR55702.1 Nuclear pore complex protein Nup133, partial
 NP_956450.1 nuclear pore complex protein Nup155
 NP_956956.1 nuclear pore complex protein Nup160
 NP_001003859.1 nuclear pore complex protein Nup205
 NP_001003625.1 nuclear pore complex protein Nup85
 NP_001018302.1 nuclear pore complex protein Nup88
 NP_571056.2 nuclear pore complex protein Nup93
 NP_001107068.1 nuclear pore glycoprotein p62
 ELK02830.1 Nuclear pore membrane glycoprotein 210-like protein
 NP_001002342.1 nuclear prelamin A recognition factor
 ACQ90238.1 nuclear progesterone receptor
 ACI66304.1 Nuclear protein 1
 ACI67227.1 Nuclear protein Hcc-1
 NP_956101.1 nuclear protein localization protein 4 homolog
 NP_001038285.1 nuclear protein MDM1
 NP_001134357.1 Nuclear receptor 2C2-associated protein
 ADK55557.1 nuclear receptor binding protein 1, 3 prime
 NP_001090184.1 nuclear receptor binding protein 2
 AAI63724.1 Nuclear receptor coactivator 2
 NP_001158827.1 nuclear receptor coactivator 4
 NP_001004588.1 nuclear receptor coactivator 5

ACI67963.1 Nuclear receptor coactivator 6
NP_956570.2 nuclear receptor corepressor 1
NP_001007033.1 nuclear receptor corepressor 2
ELW65471.1 Nuclear receptor corepressor 2, partial
AAK54449.1 nuclear receptor FF1aE
EGW00528.1 Nuclear receptor ROR-beta
NP_001076416.1 nuclear receptor subfamily 0 group B member 1
NP_001187723.1 nuclear receptor subfamily 0 group b member 2
ELK01550.1 Nuclear receptor subfamily 1 group D member 1
NP_571140.1 nuclear receptor subfamily 1 group D member 2
NP_001092087.1 nuclear receptor subfamily 1 group I member 2
NP_001124064.1 nuclear receptor subfamily 1, group D, member 2a
AAH92785.1 Nuclear receptor subfamily 1, group H, member 4
NP_001116713.1 nuclear receptor subfamily 1, group H, member 5
NP_001083606.1 nuclear receptor subfamily 1, group I, member 2
NP_001018458.1 nuclear receptor subfamily 2 group C member 1
NP_001116766.1 nuclear receptor subfamily 2 group C member 2
NP_001003608.1 nuclear receptor subfamily 2 group E member 1
NP_571255.1 nuclear receptor subfamily 2 group F member 1-A
NP_571261.1 nuclear receptor subfamily 2 group F member 5
NP_998404.1 nuclear receptor subfamily 2, group F, member 6b
NP_001002173.1 nuclear receptor subfamily 4 group A member 1
NP_001106956.1 nuclear receptor subfamily 4 group A member 2
NP_001002406.1 nuclear receptor subfamily 4, group A, member 2b
NP_001166100.1 nuclear receptor subfamily 4, group A, member 3
AAAY45704.1 nuclear receptor subfamily 5 group A member 1
NP_001070740.1 nuclear receptor subfamily 5, group A, member 5 isoform 2
NP_571331.2 nuclear receptor subfamily 6 group A member 1-A
NP_001002613.1 nuclear receptor-binding factor 2
NP_001038654.2 nuclear receptor-binding protein
NP_001116987.1 nuclear receptor-interacting protein 2
ABV29341.1 nuclear receptor subfamily 1 group I member 2
AAS78464.1 nuclear ribonucleoprotein U-like protein
NP_001167209.1 Nuclear RNA export factor 1
NP_001070898.1 nuclear speckle splicing regulatory protein 1
ADO27899.1 nuclear transcription factor y subunit beta
NP_001133261.1 nuclear transcription factor Y subunit gamma
NP_001076264.1 nuclear transcription factor Y, alpha
ACI66842.1 Nuclear transport factor 2
NP_001004601.1 nuclear ubiquitous casein and cyclin-dependent kinases substrate
NP_998649.1 nuclear valosin-containing protein-like
NP_001079582.1 nuclear VCP-like
NP_001070846.1 nuclear-interacting partner of ALK
NP_958901.1 nucleobindin 2a precursor
NP_001133883.1 nucleobindin-1 precursor
NP_001243581.1 nucleolar and coiled-body phosphoprotein 1
AEB61197.1 nucleolar and coiled-body phosphoprotein 1-like protein, partial
NP_001003830.1 nucleolar complex protein 2 homolog
NP_001002863.1 nucleolar complex protein 3 homolog
NP_001019568.1 nucleolar complex protein 4 homolog
NP_956145.1 nucleolar GTP-binding protein 1
NP_998389.1 nucleolar GTP-binding protein 2
CBN82043.1 Nucleolar MF4G domain-containing protein 1
NP_956531.1 nucleolar protein 10
NP_001133931.1 nucleolar protein 11-like
NP_001003831.1 nucleolar protein 14
NP_001002534.1 nucleolar protein 16
NP_001009889.1 nucleolar protein 58
NP_001073671.1 nucleolar protein 8
NP_001154983.1 nucleolar protein family 6
NP_001120807.1 nucleolar RNA helicase 2
NP_957297.1 nucleolar transcription factor 1
NP_001070120.2 nucleolin
ADO27785.1 nucleolysin tiar
ABX80236.1 nucleophosmin
NP_001186842.1 nucleophosmin/nucleoplasmin, 2a
ABC94628.1 nucleoporin 205
NP_956979.2 nucleoporin 98
NP_001167089.1 nucleoporin GLE1
EAX08371.1 nucleoporin like 1, isoform CRA_d
NP_956237.1 nucleoporin NDC1
NP_001187958.1 nucleoporin Nup37
ACO13800.1 Nucleoporin Nup43
NP_001188069.1 nucleoporin nup53
ELK16439.1 Nucleoporin p54
NP_998394.1 nucleoporin p58/p45
NP_998375.1 nucleoporin-like protein 2
NP_001025294.1 nucleoprotein TPR
NP_001018431.1 nucleoredoxin

NP_571003.1 nucleoside diphosphate kinase 3
 ADO28336.1 nucleoside diphosphate kinase 6
 ADO27947.1 nucleoside diphosphate kinase 7
 NP_956264.1 nucleoside diphosphate kinase B
 NP_001187804.1 nucleoside diphosphate kinase-like protein 5
 NP_001025274.1 nucleoside diphosphate-linked moiety X motif 17
 NP_001122258.1 nucleoside diphosphate-linked moiety X motif 19, mitochondrial
 NP_001006069.1 nucleoside diphosphate-linked moiety X motif 22
 NP_001082991.1 nucleoside diphosphate-linked moiety X motif 6
 NP_991218.2 nucleoside phosphorylase-like
 NP_001188028.1 nucleoside-triphosphatase c1orf57
 NP_001015984.1 nucleosome assembly protein 1-like 1 isoform 2
 NP_001007454.1 nucleosome assembly protein 1-like 4
 NP_001082816.1 nucleosome assembly protein 1-like 4a
 ELK12453.1 Nucleosome-remodeling factor subunit BPTF
 ACX71753.1 nucleotide-binding oligomerization domain-2
 NP_001186996.1 nucleotide-binding oligomerization domain-containing protein 1
 ACO10017.1 Nucleotide-binding protein 2
 NP_001002442.1 nucleotide-binding protein-like
 NP_001018463.1 nudC domain-containing protein 1
 NP_998356.1 nudC domain-containing protein 3
 AAH68353.1 Nudc protein
 AAG10062.1 Nude
 CAK04884.1 nudix (nucleoside diphosphate linked moiety X)-type motif 4
 AAH91886.1 Nudt4 protein
 AAI62311.1 Numb homolog (Drosophila)
 NP_001012375.3 numb homolog
 AAI00036.1 Nup205 protein
 AAH51604.1 Nup50 protein
 NP_001038660.1 nurim
 AAI15273.1 Nusap1 protein
 NP_001070849.1 NXPE family member 3 precursor
 NP_001071085.1 nyctalopin precursor
 ADB43257.1 O-6-methylguanine DNA-methyltransferase
 NP_999865.1 obg-like ATPase 1
 ABB29299.1 OCA2
 NP_001008618.1 occludin b
 ACQ58714.1 OCIA domain-containing protein 2
 NP_001187099.1 Oct1 transcription factor
 NP_001187100.1 Oct2 transcription factor
 ACX56233.1 odd oz/ten-m3
 ABD64539.1 ODF2
 AEA11059.1 odorant receptor
 AAD46571.1 odorant receptor 5.3
 NP_571814.1 odorant receptor, family C, subfamily 102, member 2
 NP_001124271.1 odorant receptor, family E, subfamily 126, member 3
 NP_001121860.1 odorant receptor, family F, subfamily 117, member 1
 NP_001243270.1 odorant receptor, family G, subfamily 106, member 11
 NP_001122051.1 odorant receptor, family H, subfamily 131, member 1
 NP_001133684.1 ODR4 homolog
 NP_001104642.1 olfactomedin 3a precursor
 NP_001119944.1 olfactomedin-like 2A precursor
 NP_001038314.1 olfactomedin-like 2Ba precursor
 AAI14288.1 Olfactomedin-like 3
 NP_001070719.1 olfactomedin-like protein 3A precursor
 NP_001039322.1 olfactomedin-like protein 3B precursor
 NP_571939.2 olfactory guanylyl cyclase GC-D
 NP_001020356.1 olfactory marker protein a
 NP_001122261.1 olfactory receptor 11A1-like
 NP_001187197.1 olfactory receptor 202
 AAK14718.1 olfactory receptor 32C
 NP_001094425.1 olfactory receptor C family, s2
 NP_001018157.1 olfactory receptor C family, w1
 AEB77790.1 olfactory receptor family C subfamily 17 member 1
 AEB77813.1 olfactory receptor family C subfamily 2 member 2
 AEB77804.1 olfactory receptor family C subfamily 4 member 10
 AEB77803.1 olfactory receptor family C subfamily 4 member 9
 NP_001018632.1 oligodendrocyte transcription factor 1
 NP_835201.1 oligodendrocyte transcription factor 2
 ACO14409.1 Oligoribonuclease, mitochondrial precursor
 NP_001036152.3 O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1
 NP_991174.2 omega-amidase NIT2
 NP_001187019.1 oncoprotein myc
 AAI63394.1 One cut domain, family member, like
 AAH66466.1 Onecut1 protein
 NP_001093540.1 oogenesis-related
 NP_001139092.1 opa interacting protein 5
 NP_113550.3 opioid growth factor receptor
 CAQ68186.1 opioid receptor delta

CAQ68185.1 opioid receptor mu
 AAI62455.1 Opioid receptor, kappa 1
 NP_001116392.1 opo protein
 NP_001243006.1 opsin 4xa
 NP_001104634.1 opsin-3
 NP_001186975.1 opsin-5
 NP_001073635.1 optic atrophy 3 protein homolog
 NP_001003583.2 opticin precursor
 NP_001093536.2 optineurin
 AAH55628.1 Optn protein
 NP_001159919.1 ORAI calcium release-activated calcium modulator 2
 ACO14243.1 Oral cancer overexpressed protein 1
 NP_001004496.1 oral-facial-digital syndrome 1 protein homolog
 AAI55209.1 Orc11 protein
 NP_001073337.1 orexin receptor type 2
 CAA47913.1 ORF
 AAA83743.1 orf1
 ABD75527.1 orf1ab polyprotein
 AAA83744.1 orf2
 BAE46429.1 ORF2-encoded protein
 NP_001004546.1 organic solute transporter subunit alpha
 NP_998348.1 origin recognition complex subunit 4
 NP_998363.1 origin recognition complex subunit 5
 NP_997836.1 origin recognition complex subunit 6
 CBN81554.1 Ornithine aminotransferase, mitochondrial
 AFH66781.1 ornithine decarboxylase 1b
 NP_919240.2 ornithine decarboxylase antizyme 1
 NP_001089168.1 ornithine decarboxylase antizyme 2
 NP_001136252.1 ornithine decarboxylase antizyme AZL
 NP_001136179.1 ornithine decarboxylase antizyme AZS
 NP_001017568.2 ornithine decarboxylase antizyme inhibitor
 NP_001243653.1 orphan sodium- and chloride-dependent neurotransmitter transporter NTT4
 NP_001232001.1 orphan sodium- and chloride-dependent neurotransmitter transporter NTT73
 CBN81273.1 Orphan sodium-and chloride-dependent neurotransmitter transporter NTT73
 NP_001063172.1 Os09g0415000
 AAH95675.1 Os9 protein
 AAI62978.1 Oshp1a protein
 AAH93366.1 O-sialoglycoprotein endopeptidase
 AAI09474.1 O-sialoglycoprotein endopeptidase-like 1
 CAD41785.1 OSJNBa0035M09.1
 CAE02303.2 OSJNBa0042F21.10
 ADM07447.1 osmotic stress transcription factor 1
 BAM62632.1 osteocalcin
 NP_001014362.1 osteoclast stimulatory transmembrane protein
 NP_001187933.1 osteoclast-stimulating factor 1
 NP_001013588.1 osteoglycin precursor
 NP_001073661.1 otoconin-90 precursor
 NP_001025283.1 otoferlin
 NP_001093211.1 otolin-1-A precursor
 NP_001038552.1 otolith matrix protein 1 precursor
 AAV91781.1 otopetrin 2
 NP_942098.1 otopetrin-1
 NP_001003540.1 OTU domain containing 5b
 NP_998087.1 OTU domain-containing protein 3
 ELK33926.1 OTU domain-containing protein 5
 NP_001187402.1 otu domain-containing protein 6b
 EGW00320.1 OTU domain-containing protein 7A
 NP_001071212.1 OTU domain-containing protein 7B
 NP_001188227.1 otubain 1
 AAI55305.1 Otud5 protein
 AAI33109.1 Otul protein
 NP_001017836.1 outer dense fiber of sperm tails 3-like 2
 YP_004060069.1 outer membrane adhesin-like protein
 NP_001018391.1 ovarian cancer-associated gene 2 protein homolog
 NP_001108216.1 OVO-like 1 binding protein
 AAI52010.1 Oxa11 protein
 AFK08733.1 oxidation resistance protein 2 variant A, partial
 NP_956480.1 oxidative stress-induced growth inhibitor 1
 AAH44183.1 Oxidative-stress responsive 1b
 NP_001187581.1 oxidoreductase htip2
 NP_001103926.1 oxidoreductase NAD-binding domain-containing protein 1
 NP_957073.2 oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
 AAQ94557.1 oxysterol binding protein-like 2
 NP_001004646.1 oxysterol binding protein-like 3a
 NP_001005927.1 oxysterol binding protein-like 7
 NP_001139057.1 oxysterol-binding protein 1
 NP_001116220.1 oxysterol-binding protein 2
 ELW61619.1 Oxysterol-binding protein-related protein 11, partial
 NP_956166.1 oxysterol-binding protein-related protein 2

NP_001120877.1 oxysterol-binding protein-related protein 6
 NP_001071273.1 oxysterol-binding protein-related protein 9
 NP_001017545.1 oxysterols receptor LXR-alpha
 NP_001186299.1 oxytocin receptor
 NP_001186298.1 oxytocin receptor like
 AAP23062.1 p100 co-activator variant 1
 AAO26403.1 P100/P52 transcription factor
 ADO28286.1 p21-activated protein kinase-interacting protein 1-like
 ABC72123.1 p22phox
 AAI62600.1 P2rx3a protein
 AAH42317.1 P2rx4a protein
 AAI62598.1 P2rx5 protein
 NP_945337.2 P2X purinoceptor 3
 NP_705939.1 P2X purinoceptor 4
 NP_919394.1 P2X purinoceptor 5
 NP_001191383.1 P2Y purinoceptor 11
 NP_001134599.1 P2Y purinoceptor 5
 NP_001134200.1 P2Y purinoceptor 8
 NP_001187092.1 P450 aromatase
 AEB72290.1 P53
 NP_001017757.1 p53 and DNA damage-regulated protein 1
 NP_001187557.1 p53 apoptosis effector related to PMP-22 precursor
 NP_001013370.1 p53-induced protein
 ABW84004.1 p65 transcription factor
 NP_998081.1 p66 alpha
 NP_001107893.1 p90 autoantigen
 CBN81955.1 PAB-dependent poly(A)-specific ribonuclease subunit 3
 AAH62832.1 Pabpc1a protein, partial
 AAW65137.1 PAC1 receptor skip isoform
 NP_956876.1 pachytene checkpoint protein 2 homolog
 AAP82284.1 Pah
 NP_001091650.1 paired amphipathic helix protein Sin3a
 NP_001038410.1 paired amphipathic helix protein Sin3b
 NP_001232009.2 paired box 4
 CBN81363.1 Paired box gene 6b
 AAI63492.1 Paired box gene 7a
 NP_001139621.1 paired box gene 7b
 AEV53628.1 paired box protein 7
 NP_001074061.1 paired box protein Pax-1
 AAD19287.1 paired box protein pax2.1 splice variant
 AAD19295.1 paired box protein pax2.1 splice variant, partial
 EKC36239.1 Paired box protein Pax-2-A
 NP_571352.1 paired box protein Pax-3
 NP_571713.1 paired box protein Pax-5
 EHB14735.1 Paired box protein Pax-7
 NP_571373.1 paired box protein Pax-9
 NP_956344.1 paired mesoderm homeobox 1b
 NP_001014818.1 paired mesoderm homeobox protein 2B
 NP_999899.1 paired related homeobox 1a
 AEA72424.1 paired-box 3, partial
 NP_001239128.1 paired-like homeobox 2a
 NP_001170932.2 paired-like homeodomain transcription factor prop1
 AAI68506.1 Pak7 protein
 NP_942106.1 paladin
 ACQ58294.1 Palmitoyl-protein thioesterase 1 precursor
 NP_001071249.1 palmitoyltransferase ZDHHC15
 NP_001121854.1 palmitoyltransferase ZDHHC17
 NP_001187817.1 palmitoyltransferase zdhhc2
 NP_001071225.1 palmitoyltransferase ZDHHC3
 NP_001002602.1 palmitoyltransferase ZDHHC7
 NP_001103496.1 palmitoyltransferase ZDHHC9
 NP_997524.1 pancreas transcription factor 1 subunit alpha
 NP_571518.2 pancreas/duodenum homeobox protein 1
 ACO09666.1 Pancreatic alpha-amylase
 NP_956373.1 pancreatic progenitor cell differentiation and proliferation factor A
 ADO28364.1 pancreatic progenitor cell differentiation and proliferation factor b
 NP_001187813.1 pancreatic triacylglycerol lipase precursor
 ABY78016.1 pannexin 2 isoform A
 ABY78018.1 pannexin 2 isoform B
 NP_957210.1 pannexin-1
 NP_001243570.1 pannexin-2
 NP_001077310.1 pantothenate kinase 1
 NP_001074075.2 pantothenate kinase 2, mitochondrial
 NP_998645.1 pantothenate kinase 3
 NP_956809.1 pantothenate kinase 4
 AAQ88696.1 papilin
 AAH92668.1 Papolb protein
 AAH66679.1 Par1 protein
 AAI62465.1 Par-3 partitioning defective 3 homolog (C. elegans)

AES03537.1 par-3 partitioning defective 3-like protein, partial
 ABG81417.1 PAR3L
 NP_956642.1 parafibromin
 NP_001082955.1 para-hydroxybenzoate--polyprenyltransferase, mitochondrial
 NP_001017859.1 paralemmin-1
 NP_001191185.1 paralemmin-2
 NP_997899.1 paraoxonase 2
 NP_001187002.1 parapinopsin
 NP_001038723.1 paraspeckle component 1
 NP_571453.1 parathyroid hormone 1 receptor b precursor
 NP_998114.1 parathyroid hormone 1b
 AAI08011.1 Parathyroid hormone 2 receptor
 CAD60632.1 parathyroid hormone receptor 2
 NP_571432.1 parathyroid hormone/parathyroid hormone-related peptide receptor precursor
 AAI62885.1 Parathyroid hormone-like hormone
 AAS93623.1 Pard3 180 kDa isoform
 AAI62460.1 Pard3 protein
 ACO09629.1 Parkin
 NP_001007399.1 parkin co-regulated gene protein
 NP_001032195.1 Parkinson disease 7 domain-containing protein 1 precursor
 AAI68466.1 Parp12a protein
 NP_991298.1 partitioning defective 3 homolog
 NP_001096145.1 partitioning defective 6 homolog beta
 NP_997728.1 partitioning defective 6 homolog gamma
 AAO25757.1 parvalbumin
 NP_001188142.1 parvalbumin thymic cpv3
 NP_001016487.1 parvalbumin, gene 2
 NP_001002338.1 patatin-like phospholipase domain-containing protein 2
 NP_001188033.1 patatin-like phospholipase domain-containing protein 4
 AEM61157.1 patched 1
 NP_001025356.1 patched domain-containing protein 1
 CAB39726.1 patched-2 protein
 EHJ64788.1 paternally expressed 3
 CAA68836.1 PAX-6 protein
 CBN81382.1 PAXIP1-associated protein 1
 NP_571966.2 pbx/knotted 1 homeobox 1.1
 AAI62583.1 Pc protein
 NP_001018562.2 PC4 and SFRS1 interacting protein 1
 AAI62555.1 Pcdh2aa1 protein
 NP_001007382.1 PCI domain-containing protein 2
 ADO28218.1 PCNA-associated factor
 NP_001035470.2 PCNA-interacting partner
 AAI50244.1 Pcsk5b protein
 NP_991209.1 PCTP-like protein
 AAH60908.1 Pdc1 protein, partial
 AAI39595.1 Pdc11 protein
 AAH85414.1 Pde5a protein
 AAI17630.1 Pdia4 protein
 NP_001009895.1 PDZ and LIM domain 5 isoform 1
 NP_956490.1 PDZ and LIM domain 5 isoform 2
 ACM41859.1 PDZ and LIM domain 7
 NP_001017870.1 PDZ and LIM domain protein 1
 NP_001036231.1 PDZ and LIM domain protein 2
 NP_001036183.1 PDZ and LIM domain protein 3
 NP_001135382.1 PDZ and LIM domain protein 4
 NP_957134.1 PDZ and LIM domain protein 7
 NP_001124259.1 PDZ domain containing 3
 NP_001133562.1 PDZ domain-containing protein 1
 NP_001177686.1 PDZ domain-containing protein 7
 NP_001004018.1 PDZ domain-containing protein GIPC1
 NP_957224.1 PDZ domain-containing protein GIPC2
 NP_001038783.1 PDZ domain-containing protein GIPC3
 ELR56217.1 PDZ domain-containing protein GIPC3, partial
 NP_001243321.1 PDZ domain-containing RING finger protein 3
 NP_001007761.1 PDZK1 interacting protein 1, like precursor
 ELW65119.1 Pecanex-like protein 3
 NP_001075043.1 pecanex-like protein 4
 NP_001003643.1 peflin
 NP_001135262.1 pellino homolog 3
 NP_001159387.1 pendrin
 AFJ50889.1 Pendrin-like
 YP_001522744.1 pentapeptide repeat-containing protein
 NP_001032449.1 pentatricopeptide repeat domain-containing protein 3, mitochondrial precursor
 BAM36361.1 pentraxin
 BAM36372.1 pentraxin-2
 AAI55199.1 Pepd protein
 NP_001187944.1 pepsin A precursor
 BAM46127.1 pepsinogen C
 AEX13747.1 PepT1

NP_001153449.1 peptidase inhibitor 15-A precursor
 AEZ53831.1 peptidase M20 domain containing, partial
 YP_003886872.1 peptidase S8 and S53 subtilisin kexin sedolisin
 NP_001028902.1 peptide deformylase, mitochondrial
 ACO08867.1 Peptide methionine sulfoxide reductase msrB
 ACI49693.2 peptide transporter
 NP_001018437.1 peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase
 NP_001167083.1 Peptide-N4-N-acetyl-beta-D-glucosaminylasparagine amidase F precursor
 ACN60263.1 Peptide-N4-N-acetyl-beta-glucosaminylasparagine amidase
 YP_003652037.1 peptidoglycan glycosyltransferase
 ADL41186.1 peptidoglycan recognition protein 6
 CBN80708.1 Peptidylarginine deiminase
 NP_001004626.1 peptidyl-prolyl cis-trans isomerase A
 NP_957397.1 peptidyl-prolyl cis-trans isomerase CWC27 homolog
 NP_001002065.1 peptidyl-prolyl cis-trans isomerase D
 NP_001134807.1 peptidyl-prolyl cis-trans isomerase E
 NP_001032199.1 peptidyl-prolyl cis-trans isomerase F, mitochondrial
 NP_001003471.1 peptidyl-prolyl cis-trans isomerase FKBP14 precursor
 NP_001187523.1 peptidyl-prolyl cis-trans isomerase fkbp1b
 NP_001188070.1 peptidyl-prolyl cis-trans isomerase FKBP2 precursor
 NP_001187895.1 peptidyl-prolyl cis-trans isomerase FKBP3
 NP_958877.1 peptidyl-prolyl cis-trans isomerase FKBP4
 NP_998314.1 peptidyl-prolyl cis-trans isomerase FKBP5
 NP_001122145.1 peptidyl-prolyl cis-trans isomerase FKBP6
 NP_001004506.1 peptidyl-prolyl cis-trans isomerase FKBP7 precursor
 NP_001133417.1 peptidyl-prolyl cis-trans isomerase FKBP8
 NP_001003520.1 peptidyl-prolyl cis-trans isomerase FKBP9 precursor
 EGV96223.1 Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1
 NP_001018389.1 peptidyl-prolyl cis-trans isomerase NIMA-interacting 4
 NP_001187968.1 peptidyl-prolyl cis-trans isomerase-like 1
 NP_001167432.1 peptidyl-prolyl cis-trans isomerase-like 2
 NP_001002146.1 peptidyl-prolyl cis-trans isomerase-like 3
 NP_001018433.1 peptidyl-prolyl cis-trans isomerase-like 6
 NP_001091218.1 peptidylprolyl isomerase domain and WD repeat containing 1
 NP_001092228.1 peptidylprolyl isomerase domain and WD repeat-containing protein 1
 AAH71448.1 Peptidylprolyl isomerase H (cyclophilin H)
 AAI63549.1 Per2 protein
 BAJ07836.1 perforin 2
 ABU96278.1 perforin-like protein 2
 NP_001108595.1 pericentriolar material 1 protein
 NP_001025433.1 perilipin-2
 ADI71975.1 period 1
 CAQ86911.1 period 2 circadian protein
 ADL62690.1 period 2, partial
 ADL62691.1 period 3, partial
 NP_878277.1 period circadian protein homolog 2
 AAI63718.1 Period homolog 1b (Drosophila)
 NP_997604.2 period homolog 1b
 AAI62472.1 Period homolog 3 (Drosophila)
 NP_956586.1 periodic tryptophan protein 1 homolog
 NP_998212.1 periodic tryptophan protein 2 homolog
 NP_001071254.1 periostin isoform 1 precursor
 ACN60187.1 Periostin precursor
 ACI33730.1 Peripheral myelin protein 22
 NP_958468.1 peripheral myelin protein 22a precursor
 NP_694420.1 peripheral plasma membrane protein CASK
 NP_001104664.1 peripherin 2, like
 NP_571641.1 peripherin 2a (retinal degeneration, slow)
 NP_571642.1 peripherin 2b (retinal degeneration, slow)
 NP_957088.1 peripherin-2
 NP_001073549.1 periphilin-1
 NP_001131138.1 periplakin
 AEI25543.1 peroxin 11 alpha
 EDM09417.1 peroxiredoxin 6, isoform CRA_b
 NP_001002468.1 peroxiredoxin-2
 ACI67534.1 Peroxiredoxin-4
 ACI66176.1 Peroxiredoxin-5, mitochondrial precursor
 NP_001187160.1 peroxiredoxin-6
 NP_998486.1 peroxisomal 2,4-dienoyl-CoA reductase
 ACN11335.1 Peroxisomal 3,2-trans-enoyl-CoA isomerase
 NP_001187475.1 peroxisomal 3-ketoacyl-CoA thiolase A
 NP_001007420.1 peroxisomal acyl-CoA thioesterase 2b like 3
 NP_998312.1 peroxisomal acyl-coenzyme A oxidase 3
 NP_996951.1 peroxisomal bifunctional enzyme
 NP_001020340.1 peroxisomal biogenesis factor 16
 NP_956522.1 peroxisomal biogenesis factor 3
 AAI54273.1 Peroxisomal biogenesis factor 7
 NP_001018161.1 peroxisomal carnitine O-octanoyltransferase
 NP_001122182.1 peroxisomal leader peptide-processing protease

NP_001167070.1 peroxisomal Lon protease homolog 2
 NP_001096590.1 peroxisomal membrane protein 11A
 ACO09315.1 Peroxisomal membrane protein 11C
 NP_001004607.1 peroxisomal membrane protein 2
 CBN80792.1 Peroxisomal membrane protein 4
 NP_956939.1 peroxisomal membrane protein PEX13
 ACN60274.1 Peroxisomal proliferator-activated receptor A-interacting complex 285 kDa protein
 NP_001017727.1 peroxisomal trans-2-enoyl-CoA reductase
 NP_001187888.1 peroxisome assembly protein 12
 NP_956214.1 peroxisome assembly protein 26
 NP_001164306.1 peroxisome biogenesis factor 1
 NP_001005994.1 peroxisome biogenesis factor 10
 ACM78031.1 peroxisome proliferator activated receptor alpha b
 ADO51642.1 peroxisome proliferator activated receptor gamma
 AAY15212.2 peroxisome proliferator activated receptor gamma coactivator 1 alpha
 ACI42381.1 peroxisome proliferator-activated receptor alpha
 ACR15760.1 peroxisome proliferator-activated receptor beta
 NP_571543.1 peroxisome proliferator-activated receptor delta b
 NP_571542.1 peroxisome proliferator-activated receptor gamma
 ABZ05734.1 peroxisome proliferator-activated receptor gamma coactivator 1 beta
 NP_001025332.1 PERQ amino acid-rich with GYF domain-containing protein 2
 AAH56815.1 Pex19 protein
 AAH60931.1 Pkfb4 protein
 NP_001093612.1 PH domain and leucine rich repeat protein phosphatase 2
 NP_001008633.1 phakinin
 AAH44345.1 Phc2 protein
 ELV12613.1 PHD and RING finger domain-containing protein 1
 NP_001121998.1 PHD finger protein 19
 NP_001004114.1 PHD finger protein 20, b
 NP_956059.1 PHD finger protein 6
 ADO28091.1 phenazine biosynthesis-like domain-containing protein 2
 NP_956845.1 phenylalanine-4-hydroxylase
 NP_001133621.1 Phenylalanyl-tRNA synthetase alpha chain
 NP_001007769.1 phenylalanyl-tRNA synthetase beta chain
 AAI28806.1 Phenylalanyl-tRNA synthetase, alpha subunit
 AAI65673.1 Phf17 protein
 AAH60927.1 Phf2 protein, partial
 AAI24159.1 Phf21a protein
 AAH95292.1 Phf23b protein
 NP_955941.2 phosducin-like protein
 NP_001139963.1 phosphatase 1 regulatory subunit 14B
 NP_001187986.1 phosphatase 1 regulatory subunit 7
 NP_001096587.1 phosphatase 1A-like
 ACN10847.1 phosphatase 1K, mitochondrial precursor
 ELK25664.1 Phosphatase and actin regulator 1
 ELK27575.1 Phosphatase and actin regulator 3, partial
 NP_001107883.1 phosphatase and actin regulator 3a
 NP_956964.1 phosphatase and actin regulator 4B
 ACN10549.1 phosphatase methylesterase 1
 ELW71563.1 Phosphate carrier protein, mitochondrial
 NP_001032451.1 phosphate cytidylyltransferase 1, choline, beta b
 NP_957480.1 phosphatidate cytidylyltransferase 2
 NP_001002211.1 phosphatidate phosphatase PPAPDC1B
 NP_001073447.1 phosphatidic acid phosphatase type 2B
 NP_001124258.1 phosphatidylcholine transfer protein
 NP_001071082.1 phosphatidylcholine:ceramide cholinephosphotransferase 1
 NP_001139035.1 phosphatidylcholine:ceramide cholinephosphotransferase 2
 EHH64044.1 Phosphatidylethanolamine-binding protein 4, partial
 NP_001074093.1 phosphatidylinositide phosphatase SAC1-A
 NP_001038343.1 phosphatidylinositide phosphatase SAC1-B
 NP_001119904.1 phosphatidylinositide phosphatase SAC2
 NP_001038691.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2B
 ELW48262.1 Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein
 CBN81928.1 Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein
 NP_001017550.2 phosphatidylinositol 3-kinase catalytic subunit type 3
 NP_957437.2 phosphatidylinositol 3-kinase regulatory subunit gamma
 NP_001030144.1 phosphatidylinositol 4-kinase alpha
 AAY16568.1 phosphatidylinositol 4-kinase III beta
 NP_001038950.1 phosphatidylinositol 4-kinase type 2-beta
 NP_001106813.1 phosphatidylinositol 4-kinase, catalytic, alpha b
 NP_956395.2 phosphatidylinositol 5-phosphate 4-kinase type-2 gamma
 NP_001171884.1 phosphatidylinositol glycan anchor biosynthesis class U protein precursor
 NP_998426.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit C
 NP_001002565.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit H
 NP_955461.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit Q
 ABY60839.1 phosphatidylinositol phosphate 5-kinase type III isoform c
 AAT68039.1 phosphatidylinositol synthase
 NP_957229.1 phosphatidylinositol transfer protein alpha isoform
 NP_957214.1 phosphatidylinositol transfer protein beta isoform

NP_998608.1 phosphatidylinositol transfer protein, beta, like
 NP_001001822.1 phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN
 ACN60241.1 Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1
 NP_957493.1 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform
 NP_998471.1 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
 ELK34419.1 Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit alpha
 NP_001082822.1 phosphatidylinositol-4-phosphate 5-kinase type-1 alpha
 NP_001004579.1 phosphatidylinositol-4-phosphate 5-kinase type-1 beta
 NP_001005775.1 phosphatidylinositol-4-phosphate 5-kinase, type I, beta a
 NP_001122174.1 phosphatidylinositol-5-phosphate 4-kinase type-2 alpha
 AFI50426.1 Phosphatidylinositol-5-phosphate 4-kinase type-2 gamma-like
 NP_001167183.1 Phosphatidylinositol-binding clathrin assembly protein
 NP_001187356.1 phosphatidylinositol-glycan biosynthesis class F protein
 NP_001108044.2 phosphatidylinositol-glycan biosynthesis class W protein
 NP_001134275.1 phosphatidylinositol-glycan biosynthesis class X protein precursor
 NP_001073170.1 phosphatidylserine decarboxylase proenzyme
 NP_001007054.1 phosphoacetylglucosamine mutase
 NP_001088467.1 phosphodiesterase 1B, calmodulin-dependent
 NP_998357.1 phosphoenolpyruvate carboxykinase
 NP_001133921.1 Phosphoenolpyruvate carboxykinase, cytosolic
 NP_001070105.1 phosphoethanolamine methyltransferase
 NP_001167350.1 phosphoethanolamine N-methyltransferase 3
 NP_001004575.1 phosphofructokinase, muscle a
 NP_001082886.1 phosphofructokinase, muscle b
 ABU49224.1 phosphofurin acidic cluster sorting protein 1
 NP_001116223.1 phosphofurin acidic cluster sorting protein 2
 EDL30880.1 phosphoglucomutase 2
 ABC94510.1 phosphoglucomutase 3
 NP_957319.1 phosphoglucomutase-1
 NP_998051.1 phosphoglucomutase-2
 NP_001119868.1 phosphoglucomutase-like protein 5
 AAC41948.1 phosphoglucomutase-related protein
 BAF91560.1 phosphoglucose isomerase-1
 ELW65896.1 Phosphoglycerate kinase 1
 ADO28010.1 phosphoglycerate mutase 1
 NP_957318.1 phosphoglycerate mutase 2
 AAS87047.1 phosphoinositide 3-kinase gamma
 ACO09392.1 Phospholemman precursor
 NP_996939.1 phospholipase A1 member A precursor
 BAB47142.1 phospholipase A2
 NP_997855.1 phospholipase A-2-activating protein
 NP_001124263.1 phospholipase B domain containing 1 precursor
 AFN02499.1 phospholipase C beta 4
 ACA05828.1 phospholipase C delta 3B
 NP_001072932.1 phospholipase C, beta 1 (phosphoinositide-specific)
 NP_956362.1 phospholipase C, delta 1b
 AAI62663.1 Phospholipase C, gamma 1
 AAI24601.1 Phospholipase C, gamma 2
 ACI25594.1 phospholipase C-beta 1
 BAF33252.1 phospholipase C-beta 2
 AAN08425.1 phospholipase C-delta1
 NP_001153567.1 phospholipase D1
 NP_001025417.1 phospholipase DDHD1
 NP_998031.1 phospholipid scramblase 1
 NP_001121867.1 phospholipid scramblase 2
 EKC20384.1 Phospholipid scramblase 2, partial
 NP_001003519.1 phospholipid transfer protein precursor
 XP_002433120.1 phospholipid-transporting ATPase, putative
 CBN81555.1 Phospholysine phosphohistidine inorganic pyrophosphate phosphatase
 NP_001187806.1 phosphomannomutase 2
 NP_001077048.1 phosphomevalonate kinase
 NP_001187639.1 phosphopantothenate--cysteine ligase
 NP_001187962.1 phosphopantothenoylcysteine decarboxylase
 AAI42821.1 Phosphoribosyl pyrophosphate amidotransferase
 NP_998661.1 phosphoribosyl pyrophosphate synthase-associated protein 2
 NP_001038667.1 phosphoribosylformylglycinamide synthase
 NP_001187952.1 phosphoribosyltransferase domain-containing protein 1
 ELK06817.1 Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform
 CBN81287.1 Phosphorylase b kinase gamma catalytic chain, testis/liver isoform
 NP_001071080.1 phosphorylase kinase gamma subunit 1
 NP_956766.1 phosphorylase, glycogen (muscle) b
 NP_001003995.1 phosphorylated adapter RNA export protein
 NP_956113.1 phosphoserine aminotransferase isoform 1
 NP_001188090.1 phosphoserine phosphatase
 NP_001187803.1 phosphotriesterase-related protein
 BAF64837.1 phosphovitellogenin
 NP_001007369.1 photoreceptor-specific nuclear receptor
 NP_001073557.1 phytanoyl-CoA 2-hydroxylase interacting protein-like a
 NP_001007446.1 phytanoyl-CoA dioxygenase domain-containing protein 1

NP_001017823.1 phytanoyl-CoA dioxygenase, peroxisomal
 NP_001005602.2 phytanoyl-CoA hydroxylase-interacting protein-like
 AAI71616.1 P4kbb protein
 AAI54375.1 Pibf1 protein
 AAI54793.1 Picalm protein
 EFN77715.1 PiggyBac transposable element-derived protein 4
 NP_001139077.1 piggyBac transposable element-derived protein 5
 NP_001004539.1 pigment epithelium-derived factor precursor
 NP_001002309.1 PIH1 domain containing 3
 ACO14211.1 PIH1 domain-containing protein 1
 NP_001008629.1 PIH1 domain-containing protein 2
 AAH97205.1 Pih1d1 protein
 AAH45836.1 Pim1 protein
 AAH56299.1 Pip5k3 protein, partial
 NP_001017673.1 PI-PLC X domain-containing protein 1
 NP_001014322.1 PI-PLC X domain-containing protein 3
 NP_001002550.1 pirin
 NP_996957.1 PITH domain-containing protein 1
 ADV02383.1 pituitary adenylate cyclase-activating polypeptide receptor 1
 NP_001013462.1 pituitary adenylate cyclase-activating polypeptide type I receptor isoform 1 precursor
 NP_001136397.1 pituitary adenylate cyclase-activating polypeptide type I receptor isoform 3 precursor
 NP_991238.1 pituitary homeobox 3
 NP_001187757.1 pituitary tumor-transforming gene 1 protein-interacting protein
 NP_001005941.1 pituitary tumor-transforming gene 1 protein-interacting protein precursor
 NP_998016.1 pituitary-specific positive transcription factor 1
 AAU09269.1 pituitary-specific transcription factor Pit-1
 ABH01132.1 Pitx1 splice variant b
 AEN55534.1 piwi-like 1
 AEN55535.1 piwi-like 2
 NP_899181.1 piwi-like protein 1
 EHJ64503.1 PKG-Ib
 CBN81172.1 PKHD domain-containing transmembrane protein
 AAH67143.1 Pkm2a protein
 BAL14278.1 PKR-like endoplasmic reticulum kinase
 AAI55820.1 Pla1a protein
 AAH93127.1 Pla2g12b protein
 AAI24759.1 Pla2g15 protein
 ADO28032.1 plac8-like protein 1
 NP_001028269.1 placenta-specific 8, tandem duplicate 1
 NP_001038745.1 plakophilin 3
 EAX11432.1 plakophilin 4, isoform CRA_h
 CBN80738.1 Plakophilin-1
 NP_001106904.1 plakophilin-2
 NP_001133914.1 Plasma glutamate carboxypeptidase precursor
 ABB72678.1 plasma membrane calcium ATPase 1 isoform a
 NP_001087020.1 plasma membrane calcium ATPase 3
 NP_001002472.2 plasma membrane calcium ATPase 3a
 ACB45514.1 plasma membrane calcium ATPase 4
 NP_001038222.1 plasma membrane calcium-transporting ATPase 1
 NP_001116710.1 plasma membrane calcium-transporting ATPase 2
 XP_001651107.1 plasma membrane calcium-transporting atpase 3 (pmca3) (plasma membrane calcium pump isoform 3) (plasma membrane calcium atpase isoform 3)
 NP_001121714.1 plasma membrane calcium-transporting ATPase 3
 ADO28215.1 plasma retinol-binding protein 1
 AFL47814.1 plasminogen activator inhibitor 1 precursor
 NP_001165872.1 plasminogen activator, urokinase a precursor
 NP_958880.1 plasminogen precursor
 NP_001083581.1 plastin 3
 NP_956175.1 plastin-1
 NP_571395.1 plastin-2
 CAN88047.1 platelet derived growth factor receptor alpha
 ACN10682.1 Platelet endothelial cell adhesion molecule precursor
 NP_001002363.1 platelet glycoprotein 4
 NP_001138284.1 platelet glycoprotein Ib beta chain precursor
 ACQ58041.1 Platelet glycoprotein IX precursor
 NP_001071049.1 platelet receptor Gi24 precursor
 NP_998354.1 platelet-activating factor acetylhydrolase
 NP_001076320.1 platelet-activating factor acetylhydrolase IB subunit beta
 NP_957352.1 platelet-activating factor acetylhydrolase IB subunit gamma
 NP_919407.1 platelet-derived growth factor alpha a precursor
 AAH62835.1 Platelet-derived growth factor receptor-like
 NP_956608.1 platelet-derived growth factor receptor-like protein precursor
 AAI35036.1 Plcb3 protein
 AAH91844.1 Pld2 protein, partial
 NP_957135.1 pleckstrin
 NP_001090715.1 pleckstrin homology domain containing, family A member 6
 NP_001133747.1 Pleckstrin homology domain-containing family A member 1
 NP_001121835.1 pleckstrin homology domain-containing family A member 2
 NP_957501.1 pleckstrin homology domain-containing family A member 3
 CBN81337.1 Pleckstrin homology domain-containing family A member 7

NP_001007375.1 pleckstrin homology domain-containing family A member 8
 NP_001135180.1 Pleckstrin homology domain-containing family B member 2
 NP_001134210.1 Pleckstrin homology domain-containing family F member 1
 NP_956538.1 pleckstrin homology domain-containing family F member 2
 NP_001038464.1 pleckstrin homology domain-containing family G member 7
 NP_001070987.1 pleckstrin homology domain-containing family H member 1
 NP_001082872.1 pleckstrin homology domain-containing family M member 1
 NP_001124255.1 pleckstrin homology domain-containing family M member 2
 NP_001134998.1 pleckstrin homology-like domain family A member 2
 CBN81831.1 Pleckstrin homology-like domain family B member 2, partial
 ELK28049.1 Pleckstrin like proteiny domain-containing family G member 5
 ELK30371.1 Pleckstrin like proteiny-like domain family B member 2
 NP_001122211.1 pleckstrin-2
 NP_001093502.1 plectin a
 EGV92728.1 Plectin-1
 NP_001034903.1 pleiomorphic adenoma gene 1
 NP_001003981.2 pleiotrophin precursor
 NP_998605.1 pleiotropic regulator 1
 AAH90550.1 Plekhh1 protein
 NP_001034918.1 pleomorphic adenoma gene X
 BAA13189.1 plexin 2
 CBN81157.1 Plexin A1
 NP_001116947.1 plexin A2
 BAF81998.1 Plexin A3
 NP_001091959.1 plexin A3 precursor
 ACJ64908.1 plexin B2a
 ACM48164.1 plexin B2b long isoform
 NP_001184245.1 plexin b2b precursor
 NP_991260.2 plexin D1 precursor
 BAH36756.1 plexin domain containing 1
 NP_001139777.1 plexin domain-containing protein 2 precursor
 NP_001103480.1 plexin-A1
 CBN80703.1 Plexin-A2
 AFE74820.1 plexin-A2 precursor, partial
 NP_001004495.1 plexin-A4 precursor
 CBN80940.1 Plexin-B1
 NP_001155072.1 plexin-B2 precursor
 AAI62509.1 Plod2 protein
 AAH85620.1 Plrg1 protein
 BAK19070.1 PL-toxin I
 BAK19071.1 PL-toxin II
 NP_958476.2 PMS1 protein homolog 1
 BAM36380.1 PNAS-117
 AAH56140.1 Pnn protein
 ACC91740.1 PNPLA6
 NP_956412.1 POC1 centriolar protein homolog B
 NP_001018155.1 podocin
 NP_001201839.1 pogo transposable element with ZNF domain a
 CBN81175.1 Pol polyprotein
 AAP06677.1 pol protein
 AAH65460.1 Pola2 protein
 AAH45410.1 Pold2 protein
 NP_001161041.1 poliovirus receptor-related 1b
 NP_001161042.1 poliovirus receptor-related protein 1
 NP_001014326.1 poliovirus receptor-related protein 3-like precursor
 ABN58714.1 pol-like protein
 AAT68070.1 polo-like kinase
 ADK12655.1 polo-like kinase 2
 ADK12656.1 polo-like kinase 3
 AAH55500.1 Polr1a protein, partial
 AAI00002.1 Poly (ADP-ribose) polymerase family, member 1
 NP_001108558.1 poly (ADP-ribose) polymerase family, member 12b
 NP_001191199.1 poly (ADP-ribose) polymerase family, member 2
 NP_001038407.1 poly
 NP_001026846.1 poly A binding protein, cytoplasmic 1 a
 NP_957176.1 poly A binding protein, cytoplasmic 1 b
 ACO13392.1 Poly polymerase 11
 NP_001133528.1 Poly polymerase 12
 ACO09112.1 Poly synthetase 3
 EAW91819.1 poly(A) binding protein, cytoplasmic 1, isoform CRA_e
 BAB39138.1 poly(A) polymerase
 NP_991321.2 poly(A) polymerase alpha
 NP_956915.1 poly(A) polymerase gamma
 AAQ97803.1 poly(A)-binding protein, cytoplasmic 1
 AAQ97826.1 poly(A)-specific ribonuclease
 NP_001188048.1 poly(ADP-ribose) glycohydrolase arh3
 ABD65557.1 poly(ADP-ribose) glycohydrolase-like
 NP_001188110.1 poly(rC)-binding protein 2
 NP_998282.1 poly(rC)-binding protein 4

NP_001099058.1 poly(U)-binding-splicing factor PUF60
 NP_001038439.1 poly(U)-specific endoribonuclease-C precursor
 NP_956133.1 polyadenylate-binding protein 1-like
 NP_958453.1 polyadenylate-binding protein 4
 NP_998424.1 polyadenylate-binding protein nuclear 1 isoform 1
 NP_001003504.1 polyadenylate-binding protein-interacting protein 1
 NP_957060.1 polyadenylate-binding protein-interacting protein 2B
 NP_001140071.1 Polyamine-modulated factor 1
 EKC40270.1 Polyamine-modulated factor 1-binding protein 1
 NP_001003535.2 polybromo 1, like
 NP_919347.1 polycomb complex protein BMI-1-A
 NP_001074220.1 polycomb complex protein BMI-1-B
 NP_001007159.1 polycomb group RING finger protein 1
 NP_001122184.1 polycomb group RING finger protein 5-A
 NP_001003529.1 polycomb protein suz12-A
 NP_001076293.2 polycomb protein suz12-B
 NP_001073509.2 polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1 precursor
 ELK14434.1 Polycystic kidney disease protein 1-like 2
 CBN81180.1 Polycystin-1
 NP_001002310.1 polycystin-2
 NP_001002435.1 polyglutamine-binding protein 1
 NP_957496.3 polyhomeotic-like 2
 NP_694490.1 polyhomeotic-like protein 2 isoform a
 NP_001129960.1 polyhomeotic-like protein 2 isoform b
 AAI63875.1 Polymerase (DNA directed), delta 1, catalytic subunit
 AAH55597.1 Polymerase (DNA directed), lambda
 NP_001096178.1 polymerase (RNA) III (DNA directed) polypeptide A, 155kDa
 EDL21407.1 polymerase (RNA) III (DNA directed) polypeptide B
 NP_001231731.1 polymerase (RNA) III (DNA directed) polypeptide G like a isoform 2
 AAD34536.1 polymerase
 NP_001082805.1 polymerase I and transcript release factor isoform 1
 NP_001108021.1 polymerase I and transcript release factor isoform 2
 ADM18014.1 polymeric immunoglobulin receptor-like protein
 NP_001070030.2 polypeptide N-acetylgalactosaminyltransferase 11
 NP_001017277.1 polypeptide N-acetylgalactosaminyltransferase 13
 NP_001121823.1 polypeptide N-acetylgalactosaminyltransferase 2
 NP_001038243.2 polypeptide N-acetylgalactosaminyltransferase 4 precursor
 NP_998361.1 polypeptide N-acetylgalactosaminyltransferase 6
 NP_001139074.1 polypeptide N-acetylgalactosaminyltransferase-like 6
 NP_001038404.1 polyprenol reductase precursor
 YP_443922.1 polyprotein
 NP_001018313.1 polypyrimidine tract binding protein 1a
 NP_001093477.1 polypyrimidine tract-binding protein 2
 NP_001017033.1 polyribonucleotide nucleotidyltransferase 1
 ABH03465.1 POMGnT1
 ABH03466.1 POMT1
 AAI29429.1 Pomt2 protein
 NP_001018636.1 popeye domain-containing protein 2 isoform 1
 NP_001107922.1 popeye domain-containing protein 2 isoform 2
 NP_001001848.1 popeye domain-containing protein 3
 AAL17970.1 pORF2
 ACN10826.1 Porphobilinogen deaminase
 NP_840087.1 posterior neuron-specific homeobox
 NP_001187310.1 post-GPI attachment to proteins factor 2
 CBN81402.1 Post-GPI attachment to proteins factor 3
 NP_001108063.1 post-GPI attachment to proteins factor 3 precursor
 ABF19760.1 potassium channel Kv1.1a
 ABF19761.1 potassium channel Kv1.1b
 ABF19762.1 potassium channel Kv1.2a
 NP_001092223.1 potassium channel subfamily K member 1
 EHB13028.1 Potassium channel subfamily K member 2
 NP_001025245.2 potassium channel subfamily K member 6
 NP_919386.1 potassium channel tetramerisation domain containing 12.1
 AAI63138.1 Potassium channel tetramerisation domain containing 16a
 NP_001002224.1 potassium channel tetramerisation domain containing 4
 NP_001013585.2 potassium channel tetramerisation domain containing 9
 NP_001091383.1 potassium channel tetramerization domain containing 9
 NP_001117783.1 potassium channel TSK2
 ABC75089.1 potassium channel voltage-gated KQ-subfamily member 4
 NP_001154871.1 potassium channel, subfamily K, member 10b
 NP_001103587.1 potassium channel, subfamily K, member 13
 NP_001032475.1 potassium channel, subfamily K, member 2b
 NP_956927.1 potassium channel, subfamily K, member 5b
 NP_001163984.2 potassium channel, subfamily T, member 2
 ABX89981.1 potassium inwardly-rectifying channel Kir2.5
 ABX89979.1 potassium inwardly-rectifying channel subfamily J member 2
 NP_001012387.1 potassium inwardly-rectifying channel, subfamily J, member 11, like
 ADD91544.1 potassium voltage-gated channel Isk-related subfamily member 1
 ELK33989.1 Potassium voltage-gated channel subfamily B member 1

NP_001122197.1 potassium voltage-gated channel subfamily C member 1
 NP_001182125.1 potassium voltage-gated channel subfamily C member 4
 EGW06097.1 Potassium voltage-gated channel subfamily D member 1
 NP_001076336.1 potassium voltage-gated channel subfamily D member 2 precursor
 NP_956096.1 potassium voltage-gated channel subfamily D member 3 precursor
 NP_001103880.1 potassium voltage-gated channel subfamily G member 1
 NP_001038396.1 potassium voltage-gated channel subfamily H member 1
 ADU04842.1 potassium voltage-gated channel subfamily H member 1b
 CBN81475.1 Potassium voltage-gated channel subfamily H member 4
 NP_001263209.1 potassium voltage-gated channel subfamily H member 5
 NP_571987.1 potassium voltage-gated channel subfamily H member 7
 NP_001006669.1 potassium voltage-gated channel subfamily KQT member 2 isoform 4
 ADD91543.1 potassium voltage-gated channel subfamily Q member 1
 NP_001122196.1 potassium voltage-gated channel subfamily S member 3-like
 ADI87440.1 potassium voltage-gated channel zerg2
 ADI87441.1 potassium voltage-gated channel zerg24
 NP_001186999.1 potassium voltage-gated channel, Shab-related subfamily, member 2
 CBN80811.1 Potassium voltage-gated channel, Shal-related subfamily, member 3
 NP_001182126.1 potassium voltage-gated channel, Shaw-related subfamily, member 1b
 NP_001182170.1 potassium voltage-gated channel, Shaw-related subfamily, member 3b
 NP_001076280.1 potassium voltage-gated channel, subfamily F, member 1a
 NP_001103499.1 potassium voltage-gated channel, subfamily G, member 4
 AAI63642.1 Potassium voltage-gated channel, subfamily H (eag-related), member 2
 NP_001117920.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2
 XP_003081049.1 potential cell surface flocculin (ISS)
 ADC96616.1 POU domain class 5 transcription factor 1
 NP_001082798.1 POU domain, class 2, transcription factor 1
 NP_571236.1 POU domain, class 3, transcription factor 1
 NP_958855.1 POU domain, class 3, transcription factor 3-B isoform 2
 NP_001086347.1 POU domain, class 3, transcription factor 4-B
 NP_958442.1 POU domain, class 4, transcription factor 1
 NP_997972.1 POU domain, class 4, transcription factor 2
 NP_571188.1 POU domain, class 6, transcription factor 1
 NP_001038720.2 POU transcription factor isoform 2
 AAY85267.1 PPARalpha-A, partial
 AAH49009.1 Ppia protein, partial
 AAH71449.1 Ppig protein, partial
 AAH49506.1 Ppil2 protein
 AAH98558.1 Ppp1r12a protein
 AAI62976.1 Ppp1r3b protein
 AAH75466.1 PPP2R5E protein, partial
 AAI29135.1 Ppp4r2b protein
 NP_956994.1 PPPDE peptidase domain-containing protein 2
 ADO29243.1 pq-loop repeat-containing protein 2
 NP_998575.1 PR domain containing 8
 NP_001135541.1 PR domain zinc finger protein 10
 NP_001007458.1 PR domain zinc finger protein 12
 NP_001157303.1 PR domain zinc finger protein 14
 NP_001116215.1 PR domain zinc finger protein 4
 NP_001002301.1 PR domain zinc finger protein 5
 NP_001098575.1 PR domain zinc finger protein 8
 AAW24438.1 PR domain-containing 1
 ABY50451.1 PR110/striatin
 AFU34649.1 Pr80 gag polyprotein, partial
 NP_001017698.1 PRA1 family protein 2
 CBN80979.1 PRA1 family protein 3
 ADO22626.1 PRD class homeobox transcription factor PRD44
 BAA96290.1 pre-B cell enhancing factor
 NP_997833.1 pre-B-cell colony-enhancing factor
 NP_001077322.1 pre-B-cell leukemia homeobox 1
 NP_001073425.1 pre-B-cell leukemia homeobox interacting protein 1
 NP_571689.1 pre-B-cell leukemia transcription factor 1a isoform 1
 ADK11716.1 pre-B-cell leukemia transcription factor 1d
 CAQ13247.1 pre-B-cell leukemia transcription factor 3
 AAR16332.1 predicted ATPase, Ca++ transporting, plasma membrane 1
 XP_001538026.1 predicted protein
 XP_683692.1 PREDICTED:
 XP_003456149.1 PREDICTED: 1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial-like isoform 1
 XP_001118248.1 PREDICTED: 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase-like
 XP_687620.5 PREDICTED: 1,4-alpha-glucan-branching enzyme-like
 XP_003442062.1 PREDICTED: 116 kDa U5 small nuclear ribonucleoprotein component-like
 XP_003964861.1 PREDICTED: 116 kDa U5 small nuclear ribonucleoprotein component-like isoform 1
 XP_003927302.1 PREDICTED: 14-3-3 protein beta/alpha-B-like
 XP_001518912.2 PREDICTED: 14-3-3 protein epsilon-like
 XP_546936.3 PREDICTED: 14-3-3 protein gamma
 XP_003805355.1 PREDICTED: 15 kDa selenoprotein-like
 XP_694331.5 PREDICTED: 15-hydroxyprostaglandin dehydrogenase
 XP_003965061.1 PREDICTED: 17-beta-hydroxysteroid dehydrogenase 14-like
 XP_003200181.1 PREDICTED: 1-acylglycerol-3-phosphate O-acyltransferase ABHD5 isoform X1

XP_003458557.1 PREDICTED: 1-acylglycerol-3-phosphate O-acyltransferase ABHD5-like
XP_003965362.1 PREDICTED: 1-acyl-sn-glycerol-3-phosphate acyltransferase alpha-like
XP_004077253.1 PREDICTED: 1-acyl-sn-glycerol-3-phosphate acyltransferase delta-like
XP_003964213.1 PREDICTED: 1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon-like
XP_421096.3 PREDICTED: 1-aminocyclopropane-1-carboxylate synthase homolog isoform X3
XP_001367886.1 PREDICTED: 1-aminocyclopropane-1-carboxylate synthase-like protein 1-like
XP_003961684.1 PREDICTED: 1-phosphatidylinositol 3-phosphate 5-kinase-like isoform 1
XP_002199225.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1
XP_004083431.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1-like
XP_003962629.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2-like
XP_004079814.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3
XP_003977980.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3-like
XP_004083381.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4
XP_003810604.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4 isoform 1
XP_002931782.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4 isoform X1
XP_003971635.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4-like
XP_003968055.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1-like
XP_001921380.2 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3-A isoform X1
XP_003964868.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3-A-like
XP_689964.4 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4
XP_004086084.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4-like
XP_004071126.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2-like
XP_003963404.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1-like
XP_004070223.1 PREDICTED: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2-like
XP_001340506.2 PREDICTED: 1-phosphatidylinositol phosphodiesterase-like
XP_003456318.1 PREDICTED: 1-phosphatidylinositol-3-phosphate 5-kinase isoform 1
XP_003440845.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1
XP_003447872.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-2
XP_002665138.2 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-2-like
XP_003339725.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4 isoform 2
XP_003200348.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4-like
XP_003201695.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4-like, partial
XP_003439371.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-1-like
XP_003457468.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-1-like isoform 1
XP_003457469.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-1-like isoform 2
XP_003442178.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-3-A-like
XP_694028.3 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-4, partial
XP_003207687.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-4-like
XP_694841.4 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase eta-1, partial
XP_003455127.1 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase eta-1-like
XP_689411.5 PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase eta-2
XP_003448401.1 PREDICTED: 2,5'-phosphodiesterase 12-like
XP_699028.2 PREDICTED: 25-hydroxycholesterol 7-alpha-hydroxylase-like isoform X2
XP_003441539.1 PREDICTED: 25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial-like
XP_003930633.1 PREDICTED: 26S protease regulatory subunit 10B
XP_003227834.1 PREDICTED: 26S protease regulatory subunit 10B-like, partial
XP_003756221.1 PREDICTED: 26S protease regulatory subunit 4
XP_003454564.1 PREDICTED: 26S protease regulatory subunit 6A-like
XP_003505296.1 PREDICTED: 26S protease regulatory subunit 6B-like
XP_003361115.1 PREDICTED: 26S protease regulatory subunit 7-like
XP_003972208.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 12-like isoform 1
XP_003795219.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 14
XP_004067942.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 1-like
XP_003455400.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 1-like isoform 1
XP_003455401.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 1-like isoform 2
XP_003456348.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 2-like
XP_003451507.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 5-like
XP_004074622.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 5-like isoform 2
XP_004072399.1 PREDICTED: 26S proteasome non-ATPase regulatory subunit 9-like
XP_003437616.1 PREDICTED: 28S ribosomal protein S11, mitochondrial-like
XP_003454571.1 PREDICTED: 28S ribosomal protein S16, mitochondrial-like
XP_003971609.1 PREDICTED: 28S ribosomal protein S18a, mitochondrial-like
XP_003453676.1 PREDICTED: 28S ribosomal protein S18c, mitochondrial-like
XP_003449684.1 PREDICTED: 28S ribosomal protein S2, mitochondrial-like
XP_003200059.1 PREDICTED: 28S ribosomal protein S22, mitochondrial-like isoform X1
XP_004070586.1 PREDICTED: 28S ribosomal protein S25, mitochondrial-like
XP_003446849.1 PREDICTED: 28S ribosomal protein S31, mitochondrial-like
XP_003438366.1 PREDICTED: 28S ribosomal protein S5, mitochondrial-like
XP_001488316.1 PREDICTED: 28S ribosomal protein S9, mitochondrial-like
XP_003459028.1 PREDICTED: 2-acylglycerol O-acyltransferase 2-A-like
XP_003766934.1 PREDICTED: 2-acylglycerol O-acyltransferase 2-like
XP_003443136.1 PREDICTED: 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial-like
XP_003442308.1 PREDICTED: 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1-like
XP_003459160.1 PREDICTED: 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial-like
XP_003500031.1 PREDICTED: 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial-like
XP_002190198.1 PREDICTED: 3'(2),5'-bisphosphate nucleotidase 1
XP_003448147.1 PREDICTED: 3'-5' exonuclease 1-like
XP_003444510.1 PREDICTED: 39S ribosomal protein L1, mitochondrial-like
XP_003441064.1 PREDICTED: 39S ribosomal protein L14, mitochondrial-like

XP_004078061.1 PREDICTED: 39S ribosomal protein L17, mitochondrial-like isoform 1
XP_003444789.1 PREDICTED: 39S ribosomal protein L18, mitochondrial-like
XP_003971940.1 PREDICTED: 39S ribosomal protein L19, mitochondrial-like
XP_003978152.1 PREDICTED: 39S ribosomal protein L2, mitochondrial-like
XP_003444077.1 PREDICTED: 39S ribosomal protein L3, mitochondrial-like
XP_003440999.1 PREDICTED: 39S ribosomal protein L39, mitochondrial-like
XP_696647.1 PREDICTED: 39S ribosomal protein L42, mitochondrial-like
XP_686994.2 PREDICTED: 39S ribosomal protein L49, mitochondrial-like
XP_003444132.1 PREDICTED: 39S ribosomal protein L53, mitochondrial-like
XP_003201071.1 PREDICTED: 39S ribosomal protein L54, mitochondrial
XP_001373847.1 PREDICTED: 39S ribosomal protein L54, mitochondrial-like
XP_003452507.1 PREDICTED: 39S ribosomal protein L9, mitochondrial-like
XP_003455177.1 PREDICTED: 3-hydroxy-3-methylglutaryl-coenzyme A reductase-like
XP_002917257.1 PREDICTED: 3-hydroxy-3-methylglutaryl-coenzyme A reductase-like isoform 2
XP_854526.2 PREDICTED: 3-hydroxyanthranilate 3,4-dioxygenase
XP_003448919.1 PREDICTED: 3-hydroxyisobutyrate dehydrogenase, mitochondrial-like
XP_003962251.1 PREDICTED: 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial-like
XP_003451083.1 PREDICTED: 3-ketoacyl-CoA thiolase, mitochondrial-like
XP_003438177.1 PREDICTED: 3-ketodihydrosphingosine reductase-like
XP_003453353.1 PREDICTED: 3-keto-steroid reductase-like
XP_003976855.1 PREDICTED: 3-mercaptopyruvate sulfurtransferase-like
XP_003969005.1 PREDICTED: 3-oxo-5-alpha-steroid 4-dehydrogenase 1-like
XP_003967531.1 PREDICTED: 3-oxo-5-beta-steroid 4-dehydrogenase-like
XP_693069.5 PREDICTED: 3-oxoacyl-
XP_003961354.1 PREDICTED: 3-phosphoinositide-dependent protein kinase 1-like
XP_004058424.1 PREDICTED: 40S ribosomal protein S12-like
XP_003946022.1 PREDICTED: 40S ribosomal protein S14-like
XP_003229302.1 PREDICTED: 40S ribosomal protein S18-like
XP_004077957.1 PREDICTED: 40S ribosomal protein S27-like isoform 3
XP_003440513.1 PREDICTED: 43 kDa receptor-associated protein of the synapse-like isoform 1
XP_001091232.1 PREDICTED: 45 kDa calcium-binding protein isoform 2
XP_003439085.1 PREDICTED: 45 kDa calcium-binding protein-like
XP_003460517.1 PREDICTED: 4-hydroxybenzoate polyprenyltransferase, mitochondrial-like, partial
XP_003445580.1 PREDICTED: 4-hydroxyphenylpyruvate dioxygenase-like
XP_003199711.1 PREDICTED: 4-hydroxyphenylpyruvate dioxygenase-like protein-like
XP_003438567.1 PREDICTED: 5'(3')-deoxyribonucleotidase, mitochondrial-like
XP_003452209.1 PREDICTED: 5,6-dihydroxyindole-2-carboxylic acid oxidase-like
XP_002943657.1 PREDICTED: 52 kDa repressor of the inhibitor of the protein kinase-like
XP_003390771.1 PREDICTED: 52 kDa repressor of the inhibitor of the protein kinase-like, partial
XP_003446671.1 PREDICTED: 5'-3' exoribonuclease 2
XP_004083793.1 PREDICTED: 5'-3' exoribonuclease 2-like
XP_004076624.1 PREDICTED: 55 kDa erythrocyte membrane protein-like
XP_003965298.1 PREDICTED: 5'-AMP-activated protein kinase catalytic subunit alpha-1-like
XP_700831.4 PREDICTED: 5'-AMP-activated protein kinase catalytic subunit alpha-2
XP_003440153.1 PREDICTED: 5'-AMP-activated protein kinase subunit beta-1-like isoform 2
XP_001521525.2 PREDICTED: 5'-AMP-activated protein kinase subunit beta-1-like, partial
XP_003975678.1 PREDICTED: 5'-AMP-activated protein kinase subunit beta-2-like isoform 2
XP_003896942.1 PREDICTED: 5'-AMP-activated protein kinase subunit gamma-2 isoform 1
XP_003815144.1 PREDICTED: 5'-AMP-activated protein kinase subunit gamma-2-like
XP_003456267.1 PREDICTED: 5'-AMP-activated protein kinase subunit gamma-3-like
XP_002664050.1 PREDICTED: 5-azacytidine-induced protein 1
XP_003448734.1 PREDICTED: 5-azacytidine-induced protein 1-like
XP_003966030.1 PREDICTED: 5-azacytidine-induced protein 2-like
XP_003446125.1 PREDICTED: 5-hydroxytryptamine receptor 1A-alpha-like
XP_004083912.1 PREDICTED: 5-hydroxytryptamine receptor 1B-like
XP_004082564.1 PREDICTED: 5-hydroxytryptamine receptor 1D-like
XP_002665689.1 PREDICTED: 5-hydroxytryptamine receptor 1E-like
XP_003991592.1 PREDICTED: 5-hydroxytryptamine receptor 1F
XP_001515164.1 PREDICTED: 5-hydroxytryptamine receptor 1F-like
XP_688270.2 PREDICTED: 5-hydroxytryptamine receptor 2A-like
XP_700338.3 PREDICTED: 5-hydroxytryptamine receptor 3A-like
XP_003453774.1 PREDICTED: 5-hydroxytryptamine receptor 3B-like
XP_684857.4 PREDICTED: 5-hydroxytryptamine receptor 4-like
XP_696681.4 PREDICTED: 5-hydroxytryptamine receptor 6-like
XP_690599.5 PREDICTED: 5-hydroxytryptamine receptor 7-like
XP_003453028.1 PREDICTED: 5'-nucleotidase domain-containing protein 1-like
XP_686778.1 PREDICTED: 5'-nucleotidase domain-containing protein 3
XP_004083814.1 PREDICTED: 5'-nucleotidase-like
XP_003215601.1 PREDICTED: 5'-nucleotidase-like, partial
XP_004081053.1 PREDICTED: 5-oxoprolinase-like
XP_003446304.1 PREDICTED: 6.8 kDa mitochondrial proteolipid-like
XP_003453162.1 PREDICTED: 60 kDa lysophospholipase-like
XP_003441603.1 PREDICTED: 60S acidic ribosomal protein P0
XP_003454849.1 PREDICTED: 60S ribosomal export protein NMD3-like
XP_003409982.1 PREDICTED: 60S ribosomal protein L14-like
XP_001381290.1 PREDICTED: 60S ribosomal protein L18
XP_003977661.1 PREDICTED: 60S ribosomal protein L18-like
XP_003277177.2 PREDICTED: 60S ribosomal protein L23a isoform 1
XP_003456398.1 PREDICTED: 60S ribosomal protein L3-like

XP_001494106.2 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 isoform 1
 XP_003224063.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2-like
 XP_003441502.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
 XP_003439088.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase-like
 XP_004069377.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2-like
 XP_003762234.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4
 XP_003973514.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4-like isoform 1
 XP_003973517.1 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4-like isoform 4
 XP_002666487.2 PREDICTED: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase isoform X1
 XP_689435.4 PREDICTED: 6-phosphofructokinase type C isoform 5
 XP_002666643.1 PREDICTED: 6-phosphofructokinase type C isoform X6
 XP_003450263.1 PREDICTED: 6-phosphofructokinase type C-like
 XP_004078788.1 PREDICTED: 6-phosphofructokinase type C-like isoform 3
 XP_003218417.1 PREDICTED: 6-phosphofructokinase, liver type-like
 XP_698635.3 PREDICTED: 6-phosphofructokinase, liver type-like isoform X2
 XP_003963174.1 PREDICTED: 6-phosphogluconate dehydrogenase, decarboxylating-like
 XP_003442144.1 PREDICTED: 7SK snRNA methylphosphate capping enzyme
 XP_001921729.2 PREDICTED: 7SK snRNA methylphosphate capping enzyme
 XP_689234.1 PREDICTED: 80 kDa MCM3-associated protein isoform X2
 XP_003976866.1 PREDICTED: 85 kDa calcium-independent phospholipase A2-like
 XP_003459410.1 PREDICTED: 85 kDa calcium-independent phospholipase A2-like, partial
 XP_693535.5 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 1
 XP_003445104.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 10
 XP_003445677.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 13-like
 XP_003457653.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 15-like
 XP_001922446.3 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 16
 XP_003901488.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 17
 XP_003453918.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 17-like
 XP_003437762.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 18
 XP_004067580.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 18-like
 XP_700384.2 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 2
 XP_004069952.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 20-like
 XP_003455258.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 2-like
 XP_003970460.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 2-like, partial
 XP_003441953.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 3
 XP_697234.5 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 3 isoform X2
 XP_002814895.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 3, partial
 XP_003444596.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 3-like
 XP_001373582.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 5
 XP_003966493.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 5-like
 XP_693454.5 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 5-like, partial
 XP_001923204.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 6
 XP_003450800.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 7-like
 XP_001341878.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 8
 XP_003973554.1 PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 9-like
 XP_686698.2 PREDICTED: A/G-specific adenine DNA glycosylase
 XP_001336310.1 aarF domain containing kinase 3
 XP_687003.3 ABC transporter G family member 20
 XP_003963905.1 ABC transporter G family member 23-like
 XP_003198774.1 abhydrolase domain-containing protein 10, mitochondrial-like isoform 1
 XP_691488.2 abhydrolase domain-containing protein 10, mitochondrial-like isoform 2
 XP_689131.3 abhydrolase domain-containing protein 15-like
 XP_003976654.1 abhydrolase domain-containing protein 16A-like
 XP_003456822.1 abhydrolase domain-containing protein 2-A-like
 XP_004083914.1 abhydrolase domain-containing protein 3-like
 XP_003975934.1 abhydrolase domain-containing protein 4-like
 XP_686886.5 abhydrolase domain-containing protein 8 isoform X3
 XP_003445183.1 abhydrolase domain-containing protein 8-like
 XP_004072520.1 abhydrolase domain-containing protein FAM108B1-like
 XP_003451401.1 abhydrolase domain-containing protein FAM108C1-like
 XP_004066421.1 abl interactor 1-like
 XP_004078959.1 abl interactor 1-like isoform 1
 XP_003966736.1 abl interactor 2-like
 XP_003201115.1 abnormal spindles
 XP_003974782.1 absent in melanoma 1-like protein-like
 XP_004081811.1 acetylcholine receptor subunit alpha-like
 XP_003450471.1 acetylcholine receptor subunit beta-like
 XP_001343145.4 acetylcholinesterase collagenic tail peptide
 XP_003448950.1 acetylcholinesterase collagenic tail peptide-like
 XP_003971937.1 acetyl-CoA acetyltransferase, cytosolic-like
 XP_003451707.1 acetyl-CoA carboxylase 2
 XP_003975039.1 acetyl-CoA carboxylase 2-like
 XP_001919815.3 acetyl-CoA carboxylase isoform 1
 XP_003457518.1 acetyl-coenzyme A synthetase 2-like, mitochondrial-like
 XP_003448506.1 acetyl-coenzyme A synthetase, cytoplasmic
 XP_004086409.1 acetyl-coenzyme A synthetase, cytoplasmic-like isoform 1
 XP_004086410.1 acetyl-coenzyme A synthetase, cytoplasmic-like isoform 2
 XP_003441755.1 acetyl-coenzyme A transporter 1-like
 XP_004081744.1 acetylserotonin O-methyltransferase-like

XP_004069782.1 achaete-scute homolog 1b-like
XP_003220941.1 achaete-scute homolog 5-like
XP_003449774.1 acid ceramidase-like
XP_004083588.1 acid sphingomyelinase-like phosphodiesterase 3a-like
XP_692822.2 acid sphingomyelinase-like phosphodiesterase 3b-like
XP_003440396.1 acid trehalase-like protein 1-like
XP_003444664.1 acidic fibroblast growth factor intracellular-binding protein-like
XP_003970218.1 acidic fibroblast growth factor intracellular-binding protein-like isoform 1
XP_003784511.1 acidic leucine-rich nuclear phosphoprotein 32 family member A
XP_001376851.2 acidic leucine-rich nuclear phosphoprotein 32 family member A-like
XP_001381997.2 acidic mammalian chitinase-like
XP_004070863.1 acid-sensing ion channel 1-like
XP_004068864.1 acid-sensing ion channel 1-like isoform 1
XP_004071303.1 acid-sensing ion channel 2-like isoform 2
XP_003438579.1 aconitate hydratase, mitochondrial-like
XP_696774.3 actin filament-associated protein 1-like
XP_004086489.1 actin filament-associated protein 1-like 2-like
XP_695754.3 actin filament-associated protein 1-like 2-like isoform X3
XP_003206416.1 actin, alpha skeletal muscle B-like
XP_003787194.1 actin-binding LIM protein 1 isoform 1
XP_003441098.1 actin-binding LIM protein 1 isoform 2
XP_003963744.1 actin-binding LIM protein 1-like
XP_003458874.1 actin-binding LIM protein 2
XP_696875.5 actin-binding LIM protein 2-like
XP_003447063.1 actin-binding LIM protein 3
XP_003217387.1 actin-binding LIM protein 3-like
XP_687779.4 actin-binding protein anillin
XP_699540.2 actin-binding Rho-activating protein-like
XP_004067770.1 actin-like protein 6A-like isoform 1
XP_003974271.1 actin-like protein 6A-like isoform 2
XP_001366950.1 actin-like protein 6B-like
XP_003440706.1 actin-related protein 10-like
XP_004067989.1 actin-related protein 2/3 complex subunit 5-like
XP_004077042.1 actin-related protein 2-B-like isoform 1
XP_004077043.1 actin-related protein 2-B-like isoform 2
XP_003457216.1 actin-related protein 3B-like isoform 1
XP_003444904.1 actin-related protein 5-like
XP_003439217.1 activated CDC42 kinase 1-like
XP_003450803.1 activating signal cointegrator 1
XP_003441847.1 activating signal cointegrator 1 complex subunit 1-like
XP_003200957.1 activating signal cointegrator 1 complex subunit 2 homolog
XP_003454919.1 activating signal cointegrator 1 complex subunit 3
XP_419816.1 activating signal cointegrator 1 complex subunit 3 isoform X3
XP_003965798.1 activating signal cointegrator 1 complex subunit 3-like
XP_002664072.2 activating signal cointegrator 1 complex subunit 3-like, partial
XP_003761759.1 activating transcription factor 7-interacting protein 2
XP_003450480.1 active breakpoint cluster region-related protein-like
XP_004070752.1 activin receptor type-1B-like
XP_003447465.1 activin receptor type-1C
XP_004081937.1 activin receptor type-1C-like
XP_004081771.1 activin receptor type-1-like
XP_004066416.1 activin receptor type-2A
XP_003446633.1 activin receptor type-2A-like
XP_002667626.1 activin receptor type-2B-like
XP_002666520.1 activity-dependent neuroprotector homeobox protein
XP_004071796.1 acyl carrier protein, mitochondrial-like isoform 1
XP_003448339.1 acylamino-acid-releasing enzyme-like
XP_003361401.2 acyl-CoA dehydrogenase family member 10-like, partial
XP_003439263.1 acyl-CoA dehydrogenase family member 11-like
XP_001382076.2 acyl-CoA oxidase-like
XP_003442166.1 acyl-CoA synthetase family member 2, mitochondrial-like
XP_690782.2 acyl-CoA synthetase family member 3, mitochondrial-like
XP_698902.2 acyl-CoA synthetase family member 4
XP_003439806.1 acyl-CoA synthetase family member 4-like
XP_694376.3 acyl-CoA synthetase short-chain family member 3, mitochondrial
XP_003971864.1 acyl-CoA:lysophosphatidylglycerol acyltransferase 1-like
XP_003440230.1 acyl-CoA-binding domain-containing protein 4-like
XP_003453172.1 acyl-CoA-binding domain-containing protein 5-like
XP_003440039.1 acyl-CoA-binding domain-containing protein 6-like
XP_003966134.1 acyl-CoA-binding protein homolog
XP_004074278.1 acyl-coenzyme A thioesterase 13-like
XP_003446378.1 acyl-coenzyme A thioesterase 1-like
XP_003973753.1 acyl-coenzyme A thioesterase 4-like
XP_003962500.1 acylphosphatase-1-like
XP_003455733.1 acylphosphatase-2-like
XP_004071509.1 acylpyruvase FAHD1, mitochondrial-like
XP_003459114.1 ADAMTS-like protein 1-like
XP_003444560.1 ADAMTS-like protein 2-like
XP_004078206.1 ADAMTS-like protein 4-like

XP_004066847.1 ADAMTS-like protein 5-like
XP_003456352.1 adapter molecule crk-like
XP_003453037.1 adapter protein CIKS-like
XP_003450669.1 adaptin ear-binding coat-associated protein 1-like
XP_003441306.1 adaptin ear-binding coat-associated protein 2-like
XP_002713614.1 adenomatosis polyposis coli down-regulated 1
XP_694133.5 adenomatous polyposis coli protein 2
XP_003452092.1 adenosine deaminase CECR1-A-like
XP_003199818.1 adenosine deaminase domain-containing protein 1
XP_687183.1 adenosine deaminase domain-containing protein 2-like
XP_003441161.1 adenosine kinase-like
XP_003441871.1 adenosine kinase-like isoform 1
XP_003441427.1 adenosine receptor A1-like
XP_002743663.1 adenosine receptor A2a-like
XP_003437936.1 adenylate cyclase type 1-like
XP_692173.5 adenylate cyclase type 2 isoform X3
XP_003437593.1 adenylate cyclase type 2-like
XP_004084073.1 adenylate cyclase type 2-like, partial
XP_003454904.1 adenylate cyclase type 3 isoform 1
XP_003454905.1 adenylate cyclase type 3 isoform 2
XP_003440787.1 adenylate cyclase type 3-like
XP_002666536.1 adenylate cyclase type 6
XP_003449951.1 adenylate cyclase type 8-like
XP_003201145.1 adenylate cyclase type 9
XP_685909.4 adenylate kinase domain-containing protein 1
XP_003455015.1 adenylate kinase isoenzyme 1-like isoform 2
XP_003964463.1 adenylosuccinate lyase-like
XP_004082402.1 adenylosuccinate synthetase isozyme 1 C-like
XP_003225239.1 adenylosuccinate synthetase isozyme 2-like
XP_003200539.1 adipocyte adhesion molecule-like
XP_004074669.1 adipocyte enhancer-binding protein 1-like
XP_003229814.1 adiponectin receptor protein 1-like
XP_004083071.1 adiponectin receptor protein 2-like
XP_002665357.1 ADM2
XP_684417.1 ADM-like
XP_002922596.1 ADP/ATP translocase 2-like
XP_694757.3 ADP-dependent glucokinase
XP_003964519.1 ADP-ribose pyrophosphatase, mitochondrial-like
XP_002712780.1 ADP-ribosylation factor 1
XP_003452659.1 ADP-ribosylation factor GTPase-activating protein 2-like
XP_003445089.1 ADP-ribosylation factor GTPase-activating protein 3-like
XP_001923547.1 ADP-ribosylation factor-like 15b isoformX2
XP_002711821.1 ADP-ribosylation factor-like 6 interacting protein
XP_689144.3 ADP-ribosylation factor-like protein 10-like
XP_003456037.1 ADP-ribosylation factor-like protein 13B-like
XP_003454876.1 ADP-ribosylation factor-like protein 14-like
XP_003975067.1 ADP-ribosylation factor-like protein 15-like
XP_004081658.1 ADP-ribosylation factor-like protein 4C-like
XP_003207097.1 ADP-ribosylation factor-like protein 5B-like
XP_003762442.1 ADP-ribosylation factor-like protein 8B
XP_003441032.1 adrenodoxin, mitochondrial-like
XP_003447930.1 adrenodoxin-like protein, mitochondrial-like
XP_003441393.1 advillin
XP_002745669.1 AF4/FMR2 family member 1
XP_001922030.1 AF4/FMR2 family member 2-like
XP_684327.5 AF4/FMR2 family member 4
XP_003970999.1 AF4/FMR2 family member 4-like
XP_003452581.1 afadin- and alpha-actinin-binding protein-like
XP_683809.1 afadin- and alpha-actinin-binding protein-like isoform X2
XP_001377922.2 AFG3-like protein 1-like
XP_003454582.1 aflatoxin B1 aldehyde reductase member 2-like
XP_003935067.1 aflatoxin B1 aldehyde reductase member 4-like, partial
XP_688042.3 aggrecan core protein-like
XP_694002.5 aggrecan core protein-like, partial
XP_003438854.1 agmatinase, mitochondrial-like
XP_003449180.1 agrin-like
XP_003963029.1 agrin-like, partial
XP_001342303.3 A-kinase anchor protein 1, mitochondrial-like
XP_003976326.1 A-kinase anchor protein 10, mitochondrial-like
XP_686916.5 A-kinase anchor protein 11 isoform X3
XP_684554.5 a-kinase anchor protein 13
XP_003437741.1 A-kinase anchor protein 13-like
XP_003774820.1 A-kinase anchor protein 14
XP_003793084.1 A-kinase anchor protein 17A
XP_001919948.2 a-kinase anchor protein 6
XP_002665489.2 a-kinase anchor protein 9
XP_003969408.1 A-kinase anchor protein 9-like
XP_003441776.1 A-kinase anchor protein SPHKAP-like
XP_004082404.1 AKT kinase-transforming protein-like

XP_003438850.1 aladin-like
XP_001919896.1 alanine aminotransferase 2-like isoform X1
XP_003200692.1 alanine and arginine-rich domain-containing protein-like
XP_003796400.1 alanine--glyoxylate aminotransferase 2-like 1
XP_004069802.1 alanine--tRNA ligase, cytoplasmic-like
XP_003439495.1 alanyl-tRNA synthetase, cytoplasmic-like
XP_001332388.4 alanyl-tRNA synthetase, mitochondrial
XP_003460112.1 alanyl-tRNA synthetase, mitochondrial-like
XP_003445531.1 alcohol dehydrogenase 1-like
XP_003446531.1 aldehyde dehydrogenase family 1 member L1-like
XP_003449801.1 aldehyde dehydrogenase family 1 member L2, mitochondrial
XP_003444296.1 aldehyde dehydrogenase family 9 member A1-like
XP_003446212.1 aldehyde dehydrogenase, mitochondrial
XP_003211000.1 aldehyde dehydrogenase, mitochondrial-like
XP_003966732.1 aldehyde oxidase-like
XP_003439576.1 aldo-keto reductase family 1 member B10-like
XP_003445558.1 ALK tyrosine kinase receptor
XP_003962735.1 ALK tyrosine kinase receptor-like
XP_003445174.1 alkaline ceramidase 1-like
XP_003454270.1 alkaline ceramidase 2-like
XP_003225542.1 alkaline phosphatase, tissue-nonspecific isozyme-like
XP_684243.4 alkylated DNA repair protein alkB homolog 8-like
XP_003447343.1 alkylidihydroxyacetonephosphate synthase, peroxisomal-like
XP_003222182.1 alkylglycerol monoxygenase-like
XP_004084199.1 allantoinase, mitochondrial-like, partial
XP_003440500.1 alpha- and gamma-adaptin-binding protein p34-like
XP_002665488.1 alpha-(1,3)-fucosyltransferase-like
XP_002667023.2 alpha-(1,6)-fucosyltransferase-like
XP_001342996.2 alpha/beta hydrolase domain-containing protein 17A
XP_691496.3 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A
XP_003453006.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A-like
XP_003447668.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B-like
XP_003440902.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A-like
XP_003448003.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like
XP_004071588.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like isoform 1
XP_004071589.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like isoform 2
XP_002197113.1 alpha-1A adrenergic receptor
XP_695000.3 alpha-1-antiproteinase 2-like
XP_001922013.2 alpha-1B adrenergic receptor-like
XP_697043.2 alpha-1D adrenergic receptor
XP_003456131.1 alpha-1-syntrophin-like
XP_003459189.1 alpha-2 adrenergic receptor-like
XP_002913620.1 alpha-2A adrenergic receptor-like
XP_688797.1 alpha-2-antiplasmin
XP_003451147.1 alpha-2B adrenergic receptor-like
XP_001332356.1 alpha-2-macroglobulin isoform 1
XP_003447631.1 alpha-2-macroglobulin-like protein 1-like
XP_003445506.1 alpha-actinin-1 isoform 1
XP_003756422.1 alpha-actinin-1, partial
XP_003206564.1 alpha-actinin-1-like
XP_003224905.1 alpha-actinin-1-like isoform 4
XP_003215895.1 alpha-actinin-2-like
XP_003447595.1 alpha-actinin-3-like isoform 1
XP_003447596.1 alpha-actinin-3-like isoform 2
XP_003228575.1 alpha-actinin-4-like isoform 1
XP_004075262.1 alpha-actinin-4-like isoform 3
XP_003428840.1 alpha-actinin-4-like, partial
XP_003439750.1 alpha-aminoadipic semialdehyde dehydrogenase-like
XP_004086326.1 alpha-aminoadipic semialdehyde synthase, mitochondrial-like
XP_003449543.1 alpha-aspartyl dipeptidase-like
XP_004026639.1 alpha-endosulfine
XP_001106271.1 alpha-endosulfine-like
XP_003512064.1 alpha-enolase
XP_003454629.1 alpha-enolase-like
XP_001923689.3 alpha-L-iduronidase
XP_003440551.1 alpha-mannosidase 2
XP_698084.3 alpha-mannosidase 2C1-like
XP_002666837.1 alpha-mannosidase 2x isoform X1
XP_003199648.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
XP_003199684.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2
XP_688608.3 alpha-N-acetylglucosaminidase
XP_002661434.1 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase-like
XP_004084242.1 alpha-parvin-like
XP_003468106.1 alpha-protein kinase 1
XP_004080153.1 alpha-protein kinase 1-like
XP_685270.2 alpha-sarcoglycan
XP_001506387.2 alpha-taxilin-like
XP_003441997.1 alpha-tectorin-like
XP_001342057.4 alpha-tectorin-like, partial

XP_002662342.2 alsin isoform X1
XP_003446648.1 alsin-like
XP_690375.5 Alstrom syndrome protein 1
XP_003967815.1 ALX homeobox protein 1-like
XP_003455604.1 amiloride-sensitive amine oxidase
XP_003442051.1 amiloride-sensitive cation channel 1, neuronal-like isoform 2
XP_003456140.1 amiloride-sensitive cation channel 2, neuronal-like
XP_003437911.1 amiloride-sensitive cation channel 2-C, neuronal-like
XP_003452302.1 aminoacyl tRNA synthase complex-interacting multifunctional protein 1-like
XP_003209422.1 aminoglycoside phosphotransferase domain-containing protein 1-like
XP_003444888.1 aminomethyltransferase, mitochondrial-like
XP_003201450.1 aminopeptidase N-like
XP_682987.1 aminopeptidase N-like isoformX1
XP_003446187.1 aminopeptidase O-like
XP_004076628.1 AMME syndrome candidate gene 1 protein homolog
XP_003446348.1 ammonium transporter Rh type A-like
XP_002751247.2 AMP deaminase 2
XP_700028.3 AMP deaminase 2 isoform X4
XP_003220280.1 AMP deaminase 2-like
XP_001924023.1 amphoterin-induced protein 1
XP_003438918.1 amphoterin-induced protein 3-like
XP_699129.2 AMSH-like protease-like isoform X2
XP_003452988.1 AMY-1-associating protein expressed in testis 1-like
XP_001342921.4 amyloid beta (A4) precursor-like protein 1
XP_003199465.1 amyloid beta A4 precursor protein-binding family A member 1
XP_001343372.1 amyloid beta A4 precursor protein-binding family A member 1 isoform X1
XP_002927784.1 amyloid beta A4 precursor protein-binding family A member 2-like
XP_003480469.1 amyloid beta A4 precursor protein-binding family A member 2-like, partial
XP_003199362.1 amyloid beta A4 precursor protein-binding family B member 1-like
XP_002926551.1 amyloid beta A4 precursor protein-binding family B member 2-like
XP_003220028.1 amyloid beta A4 precursor protein-binding family B member 3-like
XP_003219096.1 amyloid beta A4 protein-like
XP_003452931.1 amyloid beta A4 protein-like isoform 1
XP_004076036.1 amyloid protein-binding protein 2-like
XP_003968631.1 amyloid-like protein 2-like
XP_003901339.1 AN1-type zinc finger protein 6
XP_003431371.1 AN1-type zinc finger protein 6-like
XP_001921168.1 anaphase-promoting complex subunit 1
XP_690746.2 androgen-induced gene 1 protein
XP_004005471.1 angio-associated migratory cell protein
XP_003458128.1 angio-associated migratory cell protein-like
XP_691871.5 angiominin
XP_003415697.1 angiominin-like protein 1-like
XP_003447274.1 angiopoietin-1
XP_003976965.1 angiopoietin-1-like
XP_699694.3 angiopoietin-1-like isoform X3
XP_003448965.1 angiopoietin-2-like
XP_781377.2 angiopoietin-4-like
XP_003449959.1 angiopoietin-related protein 1-like
XP_003460240.1 angiopoietin-related protein 5-like
XP_694336.5 angiotensin-converting enzyme isoform X2
XP_003439188.1 anion exchange protein 2
XP_003443372.1 anion exchange protein 3-like
XP_693464.3 anionic trypsin-2-like
XP_003199099.1 ankyrin repeat and BTB/POZ domain-containing protein 1-like
XP_001923186.1 ankyrin repeat and BTB/POZ domain-containing protein 2 isoformX2
XP_003440432.1 ankyrin repeat and BTB/POZ domain-containing protein 2-like
XP_003447119.1 ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A-like
XP_003448134.1 ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A-like, partial
XP_003200483.1 ankyrin repeat and BTB/POZ domain-containing protein BTBD11-B isoform X1
XP_003209604.1 ankyrin repeat and death domain-containing protein 1A-like
XP_004072679.1 ankyrin repeat and death domain-containing protein 1B-like
XP_003201405.1 ankyrin repeat and fibronectin type-III domain-containing protein 1-like
XP_003201826.1 ankyrin repeat and fibronectin type-III domain-containing protein 1-like, partial
XP_003226628.1 ankyrin repeat and FYVE domain-containing protein 1-like
XP_689771.3 ankyrin repeat and IBR domain-containing protein 1
XP_697440.1 ankyrin repeat and MYND domain-containing protein 1
XP_003450303.1 ankyrin repeat and MYND domain-containing protein 2-like
XP_004070966.1 ankyrin repeat and SAM domain-containing protein 1A-like
XP_001343162.3 ankyrin repeat and SAM domain-containing protein 1A-like isoform X1
XP_003438826.1 ankyrin repeat and SAM domain-containing protein 3-like
XP_003460146.1 ankyrin repeat and SAM domain-containing protein 6-like
XP_003445956.1 ankyrin repeat and SOCS box protein 12-like
XP_003444041.1 ankyrin repeat and SOCS box protein 13-like
XP_684802.4 ankyrin repeat and SOCS box protein 13-like isoform X2
XP_003201244.1 ankyrin repeat and SOCS box protein 14-like
XP_696789.5 ankyrin repeat and SOCS box protein 14-like isoform X2
XP_001919379.2 ankyrin repeat and SOCS box protein 15-like
XP_003443345.1 ankyrin repeat and SOCS box protein 1-like

XP_696390.3 ankyrin repeat and SOCS box protein 2 isoform X2
XP_003455633.1 ankyrin repeat and SOCS box protein 2-like
XP_003200756.1 ankyrin repeat and SOCS box protein 2-like isoform X1
XP_004074052.1 ankyrin repeat and SOCS box protein 4-like
XP_003456589.1 ankyrin repeat and SOCS box protein 5-like
XP_003444986.1 ankyrin repeat and sterile alpha motif domain-containing protein 1B-like
XP_003202207.1 ankyrin repeat and sterile alpha motif domain-containing protein 1B-like isoform 1
XP_003771102.1 ankyrin repeat and sterile alpha motif domain-containing protein 1B-like isoform 2
XP_003452936.1 ankyrin repeat domain-containing protein 10-like
XP_004067179.1 ankyrin repeat domain-containing protein 11-like
XP_003448562.1 ankyrin repeat domain-containing protein 12
XP_003975396.1 ankyrin repeat domain-containing protein 12-like
XP_430177.3 ankyrin repeat domain-containing protein 13C, partial
XP_003974261.1 ankyrin repeat domain-containing protein 13C-A-like
XP_004073278.1 ankyrin repeat domain-containing protein 13D-like
XP_691388.3 ankyrin repeat domain-containing protein 13D-like isoform X3
XP_001920092.1 ankyrin repeat domain-containing protein 1-like
XP_001920876.1 ankyrin repeat domain-containing protein 26
XP_001078628.2 ankyrin repeat domain-containing protein 26-like
XP_002667005.2 ankyrin repeat domain-containing protein 27
XP_003227456.1 ankyrin repeat domain-containing protein 27-like
XP_003219717.1 ankyrin repeat domain-containing protein 29-like
XP_003216429.1 ankyrin repeat domain-containing protein 32-like
XP_696682.1 ankyrin repeat domain-containing protein 33B
XP_003967960.1 ankyrin repeat domain-containing protein 33B-like
XP_001919612.1 ankyrin repeat domain-containing protein 33B-like isoform X1
XP_003200295.1 ankyrin repeat domain-containing protein 34A-like
XP_694014.4 ankyrin repeat domain-containing protein 34B
XP_001341377.1 ankyrin repeat domain-containing protein 40-like
XP_585056.1 ankyrin repeat domain-containing protein 43
XP_003439102.1 ankyrin repeat domain-containing protein 43-like
XP_003226648.1 ankyrin repeat domain-containing protein 46-like
XP_003443414.1 ankyrin repeat domain-containing protein 50-like
XP_696186.2 ankyrin repeat domain-containing protein 53-like isoform X1
XP_004071872.1 ankyrin repeat domain-containing protein 54-like
XP_003458621.1 ankyrin repeat domain-containing protein 57-like
XP_004084028.1 ankyrin repeat domain-containing protein 6-like
XP_004076170.1 ankyrin repeat domain-containing protein SOWAHA-like
XP_003449254.1 ankyrin repeat, SAM and basic leucine zipper domain-containing protein 1-like
XP_003451758.1 ankyrin-1
XP_003200911.1 ankyrin-1-like
XP_003459647.1 ankyrin-2
XP_003452208.1 ankyrin-2-like
XP_001921230.3 ankyrin-3-like
XP_003961221.1 annexin A11-like
XP_003439332.1 annexin A13-like
XP_003359894.2 annexin A6-like
XP_003455768.1 anoctamin-1-like
XP_691954.5 anoctamin-1-like, partial
XP_003443987.1 anoctamin-3
XP_003201518.1 anoctamin-3 isoform X1
XP_003967802.1 anoctamin-3-like
XP_003443983.1 anoctamin-5-like
XP_003445078.1 anoctamin-6
XP_001345787.2 anoctamin-7
XP_004033544.1 anoctamin-7-like
XP_001518745.2 anoctamin-8
XP_691248.5 anoctamin-8-like
XP_003967805.1 anoctamin-9-like
XP_003443344.1 anterior gradient protein 3 homolog
XP_692362.2 anthrax toxin receptor 1
XP_691588.2 anthrax toxin receptor 1 isoform X2
XP_001371818.2 anthrax toxin receptor 1-like
XP_001332841.4 anthrax toxin receptor 1-like isoform X1
XP_684145.3 anthrax toxin receptor 1-like isoform X2
XP_001371712.2 anthrax toxin receptor 2
XP_004073052.1 anthrax toxin receptor 2-like
XP_002665053.1 antigen peptide transporter 1
XP_682981.1 antigen peptide transporter 2-like isoformX1
XP_003433587.1 antigen WC1.1-like
XP_003451690.1 AP-1 complex subunit beta-1 isoform 4
XP_003970026.1 AP-1 complex subunit gamma-1-like
XP_003452381.1 AP-1 complex subunit mu-1-like
XP_003451832.1 AP-1 complex-associated regulatory protein-like
XP_001922436.1 AP-2 complex subunit alpha-2 isoformX1
XP_003456912.1 AP-2 complex subunit alpha-2-like isoform 1
XP_004071922.1 AP-2 complex subunit alpha-2-like isoform 3
XP_004071923.1 AP-2 complex subunit alpha-2-like isoform 4
XP_003451439.1 AP-2 complex subunit beta-like isoform 2

XP_003970867.1 AP-2 complex subunit beta-like isoform 4
XP_004003146.1 AP-2 complex subunit mu isoform 1
XP_003438253.1 AP-2 complex subunit mu-1-A-like isoform 2
XP_003229652.1 AP2-associated protein kinase 1-like
XP_003455156.1 AP-3 complex subunit beta-1-like
XP_003447605.1 AP-3 complex subunit beta-2
XP_003201441.1 AP-3 complex subunit beta-2-like
XP_003439884.1 AP-3 complex subunit delta-1-like isoform 1
XP_003439885.1 AP-3 complex subunit delta-1-like isoform 2
XP_003429369.1 AP-3 complex subunit delta-1-like, partial
XP_003208011.1 AP-3 complex subunit mu-1-like
XP_003448631.1 AP-3 complex subunit mu-2
XP_003920729.1 AP-3 complex subunit sigma-1
XP_699042.2 AP-4 complex subunit epsilon-1
XP_003962692.1 AP-5 complex subunit mu-1-like
XP_003198198.1 AP-5 complex subunit zeta-1-like isoform X1
XP_004072569.1 apelin receptor A-like
XP_001333516.2 apelin receptor B-like isoform X1
XP_001337624.3 apical endosomal glycoprotein-like
XP_685178.1 APOBEC1 complementation factor isoform 1
XP_707799.1 APOBEC1 complementation factor isoform 2
XP_694827.4 apolipoprotein B-100
XP_002927383.1 apolipoprotein B-100 receptor-like
XP_003457261.1 apolipoprotein B-100-like
XP_003975506.1 apolipoprotein L3-like
XP_001339242.2 apolipoprotein L4
XP_003445952.1 apolipoprotein O-like
XP_001501335.1 apoptosis facilitator Bcl-2-like protein 14-like
XP_001341214.1 apoptosis regulator Bcl-2-like
XP_003455449.1 apoptosis-enhancing nuclease-like
XP_003971249.1 apoptosis-inducing factor 1, mitochondrial-like
XP_003976167.1 apoptosis-inducing factor 2-like
XP_002936104.1 apoptosis-inducing factor 3-like isoform X1
XP_002663081.2 apoptosis-resistant E3 ubiquitin protein ligase 1-like
XP_003971720.1 apoptosis-stimulating of p53 protein 1-like isoform 2
XP_003452039.1 apoptosis-stimulating of p53 protein 2-like
XP_694912.3 apoptotic chromatin condensation inducer in the nucleus isoform X4
XP_003445026.1 apoptotic protease-activating factor 1-like
XP_003759028.1 aprataxin and PNK-like factor
XP_004065927.1 aprataxin-like isoform 2
XP_004079539.1 aquaporin-1-like
XP_003437942.1 aquaporin-4-like
XP_003970028.1 aquaporin-9-like
XP_003458447.1 arachidonate 5-lipoxygenase-like
XP_003438786.1 archaemetzincin-2-like
XP_001508130.1 archaemetzincin-2-like isoform 1
XP_004075960.1 ARF GTPase-activating protein GIT1-like
XP_697386.4 ARF GTPase-activating protein GIT1-like isoform X2
XP_003451781.1 ARF GTPase-activating protein GIT2-like
XP_003446852.1 arfaptin-2-like isoform 1
XP_003446853.1 arfaptin-2-like isoform 2
XP_003455410.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2-like
XP_002665861.2 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3 isoform X1
XP_003441436.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3-like
XP_001515427.2 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3-like, partial
XP_003450117.1 arf-GAP with dual PH domain-containing protein 1-like
XP_003441386.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1-like
XP_004069295.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2-like
XP_003437913.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3
XP_004079532.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3-like
XP_001344168.3 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1-like
XP_002667258.2 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1-like, partial
XP_004009808.1 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 2
XP_003228233.1 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 2-like
XP_687312.3 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 isoform X2
XP_690372.4 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1
XP_003201325.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isoform X1
XP_003439295.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1-like isoform 1
XP_003453292.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2-like
XP_004069538.1 Arg8-vasotocin receptor-like
XP_001922781.2 arginine-glutamic acid dipeptide repeats protein
XP_004085032.1 arginine-tRNA ligase, cytoplasmic-like
XP_003971090.1 argininosuccinate lyase-like
XP_003200537.1 arginyl aminopeptidase-like 1-like
XP_003454001.1 arginyl-tRNA synthetase, cytoplasmic-like
XP_001340966.1 aristaless-like homeobox 4a
XP_002667096.1 aristaless-related homeobox protein-like
XP_003448627.1 armadillo repeat protein deleted in velo-cardio-facial syndrome homolog
XP_002666887.2 armadillo repeat-containing protein 10

XP_004078827.1 armadillo repeat-containing protein 1-like
XP_683582.3 armadillo repeat-containing protein 2
XP_688618.3 armadillo repeat-containing protein 3
XP_003222095.1 armadillo repeat-containing protein 4-like
XP_698416.3 armadillo repeat-containing protein 5
XP_001510179.1 armadillo repeat-containing protein 8-like
XP_003961677.1 armadillo repeat-containing protein 8-like isoform 3
XP_004085874.1 armadillo repeat-containing protein 8-like, partial
XP_003443775.1 aromatic-L-amino-acid decarboxylase-like
XP_004075156.1 arrestin domain-containing protein 1-like
XP_003455098.1 arrestin domain-containing protein 1-like, partial
XP_003449079.1 arrestin domain-containing protein 2-like isoform 1
XP_004072485.1 arrestin domain-containing protein 3-like
XP_003978303.1 arrestin red cell isoform 1-like
XP_003199397.1 arrestin red cell isoform 3-like
XP_003458670.1 arsenite methyltransferase-like
XP_004085788.1 aryl hydrocarbon receptor nuclear translocator 2-like, partial
XP_003977660.1 aryl hydrocarbon receptor nuclear translocator-like
XP_003440563.1 aryl hydrocarbon receptor nuclear translocator-like protein 2-like
XP_003446626.1 aryl hydrocarbon receptor-like
XP_001923714.2 arylacetamide deacetylase-like
XP_696456.3 arylamine N-acetyltransferase, pineal gland isozyme NAT-3
XP_003200100.1 aryl-hydrocarbon-interacting protein-like 1-like
XP_003967148.1 arylsulfatase A-like
XP_003199313.1 arylsulfatase D isoform X1
XP_004081913.1 arylsulfatase D-like
XP_692237.2 arylsulfatase I-like
XP_003458877.1 arylsulfatase J
XP_695808.3 asc-type amino acid transporter 1
XP_687825.2 asc-type amino acid transporter 1-like
XP_004075195.1 asparagine--tRNA ligase, cytoplasmic-like
XP_696748.3 asparaginyl-tRNA synthetase, cytoplasmic
XP_003451966.1 aspartate aminotransferase, cytoplasmic-like
XP_004071553.1 aspartate beta-hydroxylase domain-containing protein 2-like
XP_003990784.1 aspartate--tRNA ligase, cytoplasmic
XP_699804.3 aspartate--tRNA ligase, mitochondrial
XP_003459191.1 aspartoacylase-2B-like
XP_003450520.1 aspartoacylase-like
XP_003446617.1 aspartyl aminopeptidase-like
XP_003452427.1 aspartylasparaginyl beta-hydroxylase-like
XP_001342763.2 astacin-like metalloendopeptidase-like
XP_001515531.2 astroactin-1
XP_003453202.1 astroactin-1-like
XP_004074930.1 astroactin-2-like
XP_001333781.2 ataxin 1-like
XP_694194.1 ataxin-1 isoform X2
XP_003451159.1 ataxin-2-like
XP_003453156.1 ataxin-3-like
XP_001341475.4 ataxin-7-like
XP_003961611.1 ataxin-7-like protein 3-like
XP_003443019.1 atlastin-1-like
XP_004065652.1 atlastin-2-like
XP_004072254.1 ATP synthase subunit alpha, mitochondrial-like isoform 1
XP_003455220.1 ATP synthase subunit O, mitochondrial-like
XP_003449313.1 ATP synthase subunit s-like protein-like
XP_003449514.1 ATPase family AAA domain-containing protein 1-B-like
XP_003443679.1 ATPase family AAA domain-containing protein 2
XP_003200296.1 ATPase family AAA domain-containing protein 2, partial
XP_002667470.1 ATPase family AAA domain-containing protein 2B-like
XP_002667471.2 ATPase family AAA domain-containing protein 2-like
XP_003441308.1 ATPase family AAA domain-containing protein 3-A-like
XP_003973315.1 ATPase family AAA domain-containing protein 3-like
XP_004071755.1 ATPase family AAA domain-containing protein 5-like
XP_003453269.1 ATPase inhibitor, mitochondrial-like
XP_002661161.1 ATPase SWSAP1-like
XP_003975340.1 ATPase WRNIP1-like
XP_003417880.1 ATPase WRNIP1-like isoform 1
XP_001920862.3 ATP-binding cassette sub-family A member 1
XP_003445395.1 ATP-binding cassette sub-family A member 12-like
XP_003449992.1 ATP-binding cassette sub-family A member 1-like
XP_004079791.1 ATP-binding cassette sub-family A member 1-like, partial
XP_003585030.1 ATP-binding cassette sub-family A member 2
XP_004073039.1 ATP-binding cassette sub-family A member 2-like
XP_003450114.1 ATP-binding cassette sub-family A member 3
XP_002661976.2 ATP-binding cassette sub-family A member 3-like, partial
XP_004080721.1 ATP-binding cassette sub-family A member 5-like
XP_001343218.2 ATP-binding cassette sub-family B member 10, mitochondrial
XP_003441004.1 ATP-binding cassette sub-family B member 6, mitochondrial-like
XP_694879.2 ATP-binding cassette sub-family B member 7, mitochondrial

XP_003970491.1 ATP-binding cassette sub-family B member 7, mitochondrial-like
XP_001501692.3 ATP-binding cassette sub-family C member 8
XP_003214789.1 ATP-binding cassette sub-family C member 8-like
XP_004070265.1 ATP-binding cassette sub-family C member 8-like, partial
XP_004083272.1 ATP-binding cassette sub-family C member 9-like isoform 1
XP_003200166.1 ATP-binding cassette sub-family D member 2-like
XP_003457567.1 ATP-binding cassette sub-family D member 3-like
XP_003449972.1 ATP-binding cassette sub-family D member 4-like
XP_004079653.1 ATP-binding cassette sub-family E member 1-like
XP_003969299.1 ATP-binding cassette sub-family F member 1-like
XP_003457877.1 ATP-binding cassette sub-family F member 3-like
XP_003798116.1 ATP-binding cassette sub-family G member 1 isoform 2
XP_002763786.1 ATP-binding cassette sub-family G member 1-like
XP_003221293.1 ATP-binding cassette sub-family G member 2-like
XP_687685.2 ATP-binding cassette sub-family G member 4 isoform 1
XP_003438483.1 ATP-binding cassette sub-family G member 8-like
XP_002736270.1 ATP-binding cassette transporter subfamily A-like
XP_004071615.1 ATP-citrate synthase-like
XP_003442075.1 ATP-citrate synthase-like isoform 1
XP_003442076.1 ATP-citrate synthase-like isoform 2
XP_004082054.1 ATP-dependent (S)-NAD(P)H-hydrate dehydratase-like
XP_003967766.1 ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial-like
XP_001920631.3 ATP-dependent DNA helicase Q4-like
XP_003454069.1 ATP-dependent DNA helicase Q5
XP_694922.4 ATP-dependent DNA helicase Q5 isoform X2
XP_003488159.1 ATP-dependent helicase brm-like
XP_003458979.1 ATP-dependent RNA helicase A-like protein-like
XP_003417125.1 ATP-dependent RNA helicase DDX19B isoform 2
XP_004069216.1 ATP-dependent RNA helicase DDX19B-like
XP_003440780.1 ATP-dependent RNA helicase DDX1-like
XP_003453154.1 ATP-dependent RNA helicase DDX24
XP_003206751.1 ATP-dependent RNA helicase DDX24-like
XP_001171822.3 ATP-dependent RNA helicase DDX39A isoform 6
XP_003913323.1 ATP-dependent RNA helicase DDX42 isoform 1
XP_003442169.1 ATP-dependent RNA helicase DDX42-like
XP_004084018.1 ATP-dependent RNA helicase DDX51-like
XP_003965556.1 ATP-dependent RNA helicase DDX54-like
XP_004074815.1 ATP-dependent RNA helicase DDX54-like isoform 1
XP_003965459.1 ATP-dependent RNA helicase DDX55-like
XP_003451573.1 ATP-dependent RNA helicase Dhx29-like
XP_002663993.1 ATP-dependent RNA helicase DHX8 isoformX1
XP_003440203.1 ATP-dependent RNA helicase DQX1-like
XP_004075163.1 ATP-dependent RNA helicase DQX1-like, partial
XP_003442354.1 ATP-dependent RNA helicase SUPV3L1, mitochondrial-like
XP_003439325.1 ATP-dependent zinc metalloprotease YME1L1-like
XP_003222128.1 ATP-dependent zinc metalloprotease YME1L1-like isoform 2
XP_002666729.1 ATP-dependent zinc metalloprotease YME1L1-like isoformX1
XP_003198936.1 ATP-sensitive inward rectifier potassium channel 10-like
XP_003447507.1 ATP-sensitive inward rectifier potassium channel 10-like isoform 1
XP_003447197.1 ATP-sensitive inward rectifier potassium channel 11-like
XP_004080422.1 ATP-sensitive inward rectifier potassium channel 12-like
XP_003968306.1 ATP-sensitive inward rectifier potassium channel 1-like
XP_003227239.1 atrial natriuretic peptide receptor 1-like
XP_003440264.1 atrial natriuretic peptide receptor 2-like
XP_003459153.1 atrial natriuretic peptide-converting enzyme-like
XP_696565.5 AT-rich interactive domain-containing protein 1A
XP_003443839.1 AT-rich interactive domain-containing protein 1A-like
XP_698079.3 AT-rich interactive domain-containing protein 1B
XP_003446734.1 AT-rich interactive domain-containing protein 1B-like
XP_691265.5 AT-rich interactive domain-containing protein 3A-like
XP_003437733.1 AT-rich interactive domain-containing protein 3B-like
XP_003199806.1 AT-rich interactive domain-containing protein 4B-like
XP_001510085.1 AT-rich interactive domain-containing protein 5B
XP_003199620.1 AT-rich interactive domain-containing protein 5B-like
XP_697655.4 attractin-like 1b
XP_003199661.1 autism susceptibility gene 2 protein-like
XP_004071966.1 autoimmune regulator-like
XP_003450322.1 autophagy protein 5-like
XP_543661.2 autophagy-related protein 101
XP_003457870.1 autophagy-related protein 16-1-like
XP_003460032.1 autophagy-related protein 16-2-like
XP_001345780.4 autophagy-related protein 16-2-like, partial
XP_003444785.1 autophagy-related protein 2 homolog A-like
XP_003463044.1 autophagy-related protein 2 homolog B isoform X1
XP_003453174.1 autophagy-related protein 2 homolog B-like
XP_001340508.1 autophagy-related protein 2 homolog B-like, partial
XP_003437909.1 autophagy-related protein 9A-like
XP_003442773.1 AVIToxin-VAR2-like
XP_003762001.1 axin-1

XP_004066133.1 axin-1-like
 XP_001365083.1 axin-1-like isoform 2
 XP_003448075.1 axin-2-like
 XP_003455693.1 axonemal dynein light chain domain-containing protein 1-like
 XP_001380893.1 axonemal dynein light intermediate polypeptide 1-like
 XP_687804.3 B box and SPRY domain-containing protein
 XP_004074939.1 B box and SPRY domain-containing protein-like
 XP_695500.2 B(0,+)-type amino acid transporter 1 isoform X3
 XP_003445550.1 B(0,+)-type amino acid transporter 1-like
 XP_003200444.1 B(0,+)-type amino acid transporter 1-like isoform X1
 XP_001344116.1 B2 bradykinin receptor-like
 XP_003454599.1 B9 domain-containing protein 2-like
 XP_003459989.1 baculoviral IAP repeat-containing protein 6
 XP_001336902.1 baculoviral IAP repeat-containing protein 6 isoform X1
 XP_004086234.1 baculoviral IAP repeat-containing protein 6-like, partial
 XP_003438109.1 BAG family molecular chaperone regulator 1-like
 XP_001334285.4 BAH and coiled-coil domain-containing protein 1-like
 XP_003198202.1 BAI1-associated protein 3-like
 XP_003964963.1 band 3 anion exchange protein-like
 XP_003226339.1 band 4.1-like protein 1-like
 XP_003440821.1 band 4.1-like protein 2-like
 XP_002665683.2 band 4.1-like protein 2-like, partial
 XP_003448565.1 band 4.1-like protein 3-like
 XP_002664949.1 band 4.1-like protein 4B-like isoform X1
 XP_003443409.1 Bardet-Biedl syndrome 12 protein-like
 XP_003450807.1 Bardet-Biedl syndrome 4 protein
 XP_004066917.1 Bardet-Biedl syndrome 4 protein-like
 XP_003767284.1 barH-like 2 homeobox protein
 XP_001342044.1 BarH-like homeobox 2
 XP_003450522.1 barrier-to-autointegration factor-like isoform 1
 XP_003200724.1 barttin
 XP_003201751.1 basal cell adhesion molecule-like, partial
 XP_003201256.1 basement membrane-specific heparan sulfate proteoglycan core protein
 XP_003198670.1 basement membrane-specific heparan sulfate proteoglycan core protein-like
 XP_696212.3 basic helix-loop-helix transcription factor scleraxis-like
 XP_004082100.1 basic leucine zipper and W2 domain-containing protein 1-A-like
 XP_003974118.1 basigin-like
 XP_003964355.1 battenin-like
 XP_001921563.1 B-cell CLL/lymphoma 6 member B protein
 XP_003451076.1 B-cell linker protein-like
 XP_003976946.1 B-cell lymphoma 3 protein homolog, partial
 XP_004078290.1 B-cell lymphoma 3 protein-like
 XP_003495650.1 B-cell lymphoma 6 protein homolog isoform 2
 XP_001333002.1 B-cell lymphoma 6 protein-like
 XP_002660738.1 B-cell lymphoma/leukemia 10-like
 XP_003453841.1 B-cell lymphoma/leukemia 11A-like
 XP_002667906.2 b-cell lymphoma/leukemia 11B-like
 XP_001343317.4 B-cell receptor CD22-like
 XP_003216939.1 b-cell receptor-associated protein 31-like
 XP_003410512.1 B-cell scaffold protein with ankyrin repeats
 XP_003440347.1 BCL2/adenovirus E1B 19 kDa protein-interacting protein 2-like
 XP_003447161.1 bcl-2-like protein 13-like
 XP_004082651.1 bcl-2-modifying factor-like
 XP_003444315.1 bcl-2-related ovarian killer protein homolog A-like
 XP_003446162.1 BDNF/NT-3 growth factors receptor-like
 XP_695315.5 BEN domain-containing protein 4-like
 XP_004068489.1 BEN domain-containing protein 5-like
 XP_688820.1 BEN domain-containing protein 6
 XP_689199.4 BEN domain-containing protein 7
 XP_689098.2 bestrophin-1-like
 XP_695597.1 bestrophin-2
 XP_003453862.1 bestrophin-2-like
 XP_003971294.1 beta,beta-carotene 9',10'-oxygenase-like
 XP_001917510.2 beta/gamma crystallin domain-containing protein 3
 XP_003199669.1 beta-1 adrenergic receptor-like
 XP_002666963.1 beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3-like
 XP_004072394.1 beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase-like
 XP_687958.1 beta-1,3-galactosyltransferase 1-like
 XP_001343419.2 beta-1,3-galactosyltransferase 2-like
 XP_692598.4 beta-1,3-glucosyltransferase-like
 XP_001339799.2 beta-1,3-glucosyltransferase-like, partial
 XP_003456615.1 beta-1,3-N-acetylglucosaminyltransferase manic fringe-like
 XP_003441520.1 beta-1,4 N-acetylglucosaminyltransferase 1-like
 XP_001333429.1 beta-1,4 N-acetylglucosaminyltransferase 1-like isoform X1
 XP_003446503.1 beta-1,4 N-acetylglucosaminyltransferase 2-like
 XP_003438117.1 beta-1,4-galactosyltransferase 2-like
 XP_690256.2 beta-1,4-galactosyltransferase 3-like
 XP_003446823.1 beta-1,4-galactosyltransferase 4-like
 XP_003214268.1 beta-1,4-galactosyltransferase 5-like

XP_699442.5 beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase-like
XP_001342883.4 beta-1,4-N-acetylgalactosaminyltransferase 3
XP_003933195.1 beta-1-syntrophin, partial
XP_003966078.1 beta-1-syntrophin-like
XP_697618.4 beta-2-glycoprotein 1
XP_003439613.1 beta-2-syntrophin-like
XP_002666959.1 beta-2-syntrophin-like isoform 2
XP_003211037.1 beta-adrenergic receptor kinase 2-like
XP_003585503.1 beta-arrestin-2-like, partial
XP_003963044.1 beta-catenin-like protein 1-like
XP_699642.5 beta-chimaerin
XP_003364879.1 beta-chimaerin-like isoform 2
XP_004070411.1 beta-citryl-glutamate synthase B-like
XP_003448037.1 beta-crystallin B1-like
XP_004085856.1 beta-enolase-like isoform 2
XP_003459022.1 beta-galactosidase-1-like protein 2-like
XP_003225808.1 beta-galactosidase-like
XP_004045559.1 beta-glucuronidase
XP_003198617.1 beta-glucuronidase-like isoform X1
XP_003211784.1 beta-glucuronidase-like, partial
XP_003755208.1 beta-hexosaminidase subunit alpha
XP_003440365.1 beta-hexosaminidase subunit alpha-like
XP_003444683.1 beta-klotho
XP_003219686.1 beta-lactamase-like protein 2-like
XP_002664183.1 beta-mannosidase-like isoform X1
XP_003967672.1 beta-parvin-like
XP_003449343.1 beta-secretase 1-like
XP_003441750.1 beta-secretase 2-like
XP_003411827.1 beta-soluble NSF attachment protein-like
XP_004073444.1 beta-synuclein-like isoform 1
XP_001508877.2 beta-taxilin
XP_691474.4 beta-taxilin isoform X3
XP_004082110.1 beta-taxilin-like
XP_415242.1 beta-ureidopropionase isoform X2
XP_003450920.1 bicaudal D-related protein 1-like
XP_002666021.1 bicaudal D-related protein 2-like
XP_004065944.1 bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1-like
XP_003442604.1 bifunctional arginine demethylase and lysyl-hydroxylase JMJD6-like
XP_004084492.1 bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)-like
XP_002195440.1 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1
XP_001923359.3 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1-like
XP_002664339.1 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1-like isoform X1
XP_001338681.2 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2
XP_003223188.1 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2-like
XP_002660470.1 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4 isoform X1
XP_003454281.1 bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4-like
XP_00346356.1 bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA isoform X1
XP_004076011.1 bifunctional polynucleotide phosphatase/kinase-like
XP_003446708.1 bifunctional protein glmU-like
XP_002664185.1 bifunctional protein NCOAT isoform X1
XP_700241.2 bifunctional protein NCOAT-like
XP_003460016.1 bifunctional protein NCOAT-like, partial
XP_003448257.1 biglycan-like
XP_004069307.1 bile acid-CoA:amino acid N-acyltransferase-like
XP_003447440.1 bile salt export pump
XP_001923538.3 bile salt export pump isoform 1
XP_003199513.1 bile salt export pump isoform 2
XP_003732119.1 bile salt-activated lipase
XP_003445299.1 biorientation of chromosomes in cell division protein 1-like
XP_003991478.1 biotin--protein ligase
XP_003458086.1 biotin--protein ligase-like
XP_003210208.1 bis(5'-adenosyl)-triphosphatase-like
XP_003459244.1 bleomycin hydrolase-like
XP_701357.3 Bloom syndrome protein homolog, partial
XP_003974710.1 BMP-2-inducible protein kinase-like
XP_003450358.1 BMP-binding endothelial regulator protein-like
XP_004078426.1 bolA-like protein 1-like isoform 1
XP_004072530.1 bone morphogenetic protein 1 isoform 1
XP_003448668.1 bone morphogenetic protein 10-like
XP_003452683.1 bone morphogenetic protein 1-like
XP_003976259.1 bone morphogenetic protein 1-like isoform 2
XP_004079515.1 bone morphogenetic protein 2-like
XP_691459.3 bone morphogenetic protein 3B
XP_003441043.1 bone morphogenetic protein 5
XP_004018779.1 bone morphogenetic protein 5 isoform 1
XP_004077048.1 bone morphogenetic protein receptor type-1A-like
XP_003446152.1 bone morphogenetic protein receptor type-1B-like
XP_003448346.1 bone morphogenetic protein receptor type-2-like
XP_003447222.1 borealin-like

XP_002920174.1 BR serine/threonine-protein kinase 2-like
XP_003200739.1 brain and acute leukemia cytoplasmic protein-like
XP_003453512.1 brain mitochondrial carrier protein 1-like
XP_002663270.1 brain natriuretic peptide
XP_003219154.1 brain protein 44-like
XP_003453299.1 brain-enriched guanylate kinase-associated protein-like
XP_003199686.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like
XP_003459407.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 2-like
XP_691983.5 brain-specific angiogenesis inhibitor 1-like
XP_003200273.1 brain-specific angiogenesis inhibitor 1-like, partial
XP_003225595.1 brain-specific angiogenesis inhibitor 2-like
XP_685039.5 brain-specific angiogenesis inhibitor 3
XP_003199786.1 brain-specific angiogenesis inhibitor 3 isoform X1
XP_003441047.1 brain-specific angiogenesis inhibitor 3-like
XP_003970904.1 brain-specific homeobox/POU domain protein 3-like
XP_003442565.1 branched-chain-amino-acid aminotransferase, cytosolic-like
XP_003445495.1 BRCA1-A complex subunit BRE-like
XP_003200939.1 BRCA1-A complex subunit RAP80-like
XP_003965462.1 BRCA1-associated protein-like
XP_003445396.1 BRCA1-associated RING domain protein 1-like
XP_002665983.1 breakpoint cluster region protein
XP_003444392.1 breakpoint cluster region protein-like isoform 1
XP_002662876.1 breast cancer anti-estrogen resistance protein 1-like
XP_003457816.1 breast cancer anti-estrogen resistance protein 3-like
XP_003452444.1 breast cancer metastasis-suppressor 1-like protein-A-like
XP_003457023.1 brefeldin A-inhibited guanine nucleotide-exchange protein 2
XP_002666513.1 brefeldin A-inhibited guanine nucleotide-exchange protein 2-like
XP_003769542.1 brefeldin A-inhibited guanine nucleotide-exchange protein 3
XP_001921357.3 brefeldin A-inhibited guanine nucleotide-exchange protein 3, partial
XP_003455721.1 brefeldin A-inhibited guanine nucleotide-exchange protein 3-like
XP_001332252.1 BRICHOS domain-containing protein 5
XP_003790437.1 bridging integrator 2 isoform 2
XP_003442701.1 bridging integrator 2-like
XP_003794019.1 bridging integrator 3
XP_003452721.1 bridging integrator 3-like
XP_003445110.1 BRISC and BRCA1-A complex member 1-like
XP_003200403.1 BRISC complex subunit Abro1-like isoform X1
XP_004083701.1 BRO1 domain-containing protein BROX-like
XP_693134.1 bromo adjacent homology domain-containing 1 protein-like isoform X3
XP_693055.3 bromodomain adjacent to zinc finger domain protein 1A isoform X2
XP_003438852.1 bromodomain adjacent to zinc finger domain protein 2A-like
XP_001512551.2 bromodomain adjacent to zinc finger domain protein 2B isoform 1
XP_003445838.1 bromodomain adjacent to zinc finger domain protein 2B-like
XP_003449178.1 bromodomain and PHD finger-containing protein 3
XP_001922198.2 bromodomain and PHD finger-containing protein 3 isoform X1
XP_001920441.3 bromodomain and WD repeat-containing protein 1
XP_004083000.1 bromodomain-containing protein 1-like
XP_003458042.1 bromodomain-containing protein 2-like
XP_003473191.1 bromodomain-containing protein 3 isoform X1
XP_003217639.1 bromodomain-containing protein 8-like
XP_003446490.1 brorin-like
XP_003356333.1 BSD domain-containing protein 1 isoform 2
XP_687430.2 BTB/POZ domain-containing protein 10
XP_003224225.1 BTB/POZ domain-containing protein 10-like
XP_709068.4 BTB/POZ domain-containing protein 16 isoform 2
XP_003979586.1 BTB/POZ domain-containing protein 17-like
XP_004079232.1 BTB/POZ domain-containing protein 2-like
XP_003803213.1 BTB/POZ domain-containing protein 6
XP_004082606.1 BTB/POZ domain-containing protein 7-like
XP_003971548.1 BTB/POZ domain-containing protein 9-like
XP_004073403.1 BTB/POZ domain-containing protein KCTD12-like
XP_693041.2 BTB/POZ domain-containing protein KCTD14-like
XP_003445949.1 BTB/POZ domain-containing protein KCTD16-like
XP_003419897.1 BTB/POZ domain-containing protein KCTD17-like
XP_696679.2 BTB/POZ domain-containing protein KCTD17-like isoform X5
XP_003437943.1 BTB/POZ domain-containing protein KCTD1-like
XP_003448686.1 BTB/POZ domain-containing protein KCTD2-like
XP_697568.3 BTB/POZ domain-containing protein KCTD3
XP_001371853.1 BTB/POZ domain-containing protein KCTD5-like
XP_003221592.1 BTB/POZ domain-containing protein KCTD8-like
XP_003445600.1 BTB/POZ domain-containing protein KCTD9-like
XP_684938.3 butyrophilin subfamily 2 member A2-like
XP_684799.2 butyrophilin subfamily 3 member A1-like
XP_692673.3 butyrophilin subfamily 3 member A3-like
XP_002660832.2 butyrophilin-like protein 2-like
XP_700336.5 C1q-related factor-like
XP_003447800.1 c-1-tetrahydrofolate synthase, cytoplasmic-like
XP_597854.4 C2 calcium-dependent domain-containing protein 4C
XP_002666323.1 c2 calcium-dependent domain-containing protein 4C-like

XP_001337534.4 c2 domain-containing protein 3
XP_003440334.1 C2 domain-containing protein 3-like
XP_003445816.1 C3a anaphylatoxin chemotactic receptor-like
XP_001341058.3 c5a anaphylatoxin chemotactic receptor
XP_001919229.3 CAAAX prenyl protease 2
XP_003975687.1 cactin-like
XP_003445123.1 cadherin EGF LAG seven-pass G-type receptor 1-like
XP_003441312.1 cadherin EGF LAG seven-pass G-type receptor 2
XP_004068581.1 cadherin EGF LAG seven-pass G-type receptor 2-like
XP_003444880.1 cadherin EGF LAG seven-pass G-type receptor 3-like
XP_001364775.1 cadherin-10
XP_003199697.1 cadherin-10-like, partial
XP_696342.5 cadherin-11-like
XP_002661146.2 cadherin-12
XP_004081409.1 cadherin-12-like
XP_687082.5 cadherin-13
XP_003447144.1 cadherin-13-like
XP_003445802.1 cadherin-15-like
XP_003445808.1 cadherin-17-like
XP_003439350.1 cadherin-18
XP_004081245.1 cadherin-18-like
XP_003199698.1 cadherin-18-like, partial
XP_004086231.1 cadherin-1-like
XP_003968220.1 cadherin-20-like
XP_003198891.1 cadherin-22-like, partial
XP_003441261.1 cadherin-23-like
XP_003755884.1 cadherin-24
XP_004068445.1 cadherin-24-like
XP_003437941.1 cadherin-2-like
XP_003438861.1 cadherin-4-like
XP_003459225.1 cadherin-6-like
XP_003459886.1 cadherin-7-like
XP_003201307.1 cadherin-7-like, partial
XP_001919165.3 cadherin-8
XP_003209881.1 cadherin-8-like
XP_003977414.1 cadherin-8-like, partial
XP_003220708.1 cadherin-like protein 26-like
XP_003961205.1 cadherin-related family member 1-like
XP_003199810.1 cadherin-related family member 2-like
XP_003448867.1 cadherin-related family member 5-like
XP_001494550.2 caiB/baiF CoA-transferase family protein C7orf10-like
XP_001341604.1 calbindin
XP_003413592.1 calcineurin subunit B type 1-like
XP_003974797.1 calcineurin-binding protein cabin-1-like
XP_003449307.1 calcipressin-1-like
XP_003453263.1 calcipressin-3-like isoform 2
XP_003201298.1 calcitonin gene-related peptide type 1 receptor-like
XP_003200679.1 calcitonin receptor
XP_003206284.1 calcitonin-like
XP_003229488.1 calcium and integrin-binding family member 3-like
XP_002713441.1 calcium channel, voltage-dependent, alpha 2/delta 3 subunit
XP_001344294.1 calcium homeostasis modulator protein 1
XP_003453835.1 calcium homeostasis modulator protein 1-like
XP_001344260.1 calcium homeostasis modulator protein 3-like
XP_003451453.1 calcium signal-modulating cyclophilin ligand-like
XP_003441057.1 calcium uniporter protein, mitochondrial-like
XP_003783620.1 calcium uptake protein 1, mitochondrial isoform 1
XP_003441058.1 calcium uptake protein 1, mitochondrial-like
XP_002190827.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
XP_418850.3 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C isoform X5
XP_003455791.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like
XP_003201807.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like, partial
XP_002662860.1 calcium/calmodulin-dependent protein kinase II inhibitor 2-like isoform 1
XP_004076755.1 calcium/calmodulin-dependent protein kinase kinase 1-like
XP_003444452.1 calcium/calmodulin-dependent protein kinase kinase 2
XP_695868.2 calcium/calmodulin-dependent protein kinase type 1B isoform X2
XP_003973405.1 calcium/calmodulin-dependent protein kinase type 1D-like
XP_003439091.1 calcium/calmodulin-dependent protein kinase type 1G-like
XP_003217963.1 calcium/calmodulin-dependent protein kinase type 1-like
XP_001333925.1 calcium/calmodulin-dependent protein kinase type 1-like isoform X1
XP_004084907.1 calcium/calmodulin-dependent protein kinase type 1-like, partial
XP_003459645.1 calcium/calmodulin-dependent protein kinase type II delta 1 chain-like isoform 2
XP_003457063.1 calcium/calmodulin-dependent protein kinase type II subunit alpha
XP_003970925.1 calcium/calmodulin-dependent protein kinase type II subunit alpha-like
XP_003459927.1 calcium/calmodulin-dependent protein kinase type II subunit beta-like isoform 1
XP_003459933.1 calcium/calmodulin-dependent protein kinase type II subunit beta-like isoform 7
XP_003459934.1 calcium/calmodulin-dependent protein kinase type II subunit beta-like isoform 8
XP_003994152.1 calcium/calmodulin-dependent protein kinase type II subunit gamma
XP_001332339.2 calcium/calmodulin-dependent protein kinase type II subunit gamma isoform 2

XP_001139137.3 calcium/calmodulin-dependent protein kinase type II subunit gamma, partial
XP_003438362.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like
XP_003441792.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like isoform 2
XP_002663771.1 calcium/calmodulin-dependent protein kinase type IV-like
XP_003961222.1 calcium-activated potassium channel subunit alpha-1-like
XP_004080450.1 calcium-activated potassium channel subunit alpha-1-like isoform 2
XP_004080451.1 calcium-activated potassium channel subunit alpha-1-like isoform 3
XP_001337140.2 calcium-activated potassium channel subunit beta-2-like isoform X1
XP_003447364.1 calcium-binding mitochondrial carrier protein Aralar1-like
XP_003438229.1 calcium-binding mitochondrial carrier protein SCaMC-1-like
XP_003439660.1 calcium-binding mitochondrial carrier protein SCaMC-2-like
XP_690428.1 calcium-binding mitochondrial carrier protein SCaMC-3-like isoform X4
XP_003789957.1 calcium-binding protein 1
XP_688066.3 calcium-binding protein 1-like
XP_001377001.1 calcium-binding protein 2-like
XP_003454285.1 calcium-binding protein 4-like
XP_683885.1 calcium-binding protein 7
XP_003198650.1 calcium-binding protein 7-like
XP_002929335.1 calcium-binding protein 8-like
XP_001343041.1 calcium-binding protein 8-like isoform X1
XP_690899.2 calcium-binding protein 8-like isoform X2
XP_003448390.1 calcium-dependent secretion activator 1 isoform 2
XP_003785576.1 calcium-dependent secretion activator 1 isoform 4
XP_003198857.1 calcium-dependent secretion activator 1 isoform X1
XP_003198858.1 calcium-dependent secretion activator 1 isoform X2
XP_003198859.1 calcium-dependent secretion activator 1 isoform X3
XP_003198860.1 calcium-dependent secretion activator 1 isoform X4
XP_001490213.3 calcium-dependent secretion activator 1-like
XP_002666924.2 calcium-dependent secretion activator 2
XP_003789828.1 calcium-dependent secretion activator 2 isoform 1
XP_003202017.1 calcium-dependent secretion activator 2-like
XP_001918731.2 calcium-independent phospholipase A2-gamma
XP_003221247.1 calcium-independent phospholipase A2-gamma-like
XP_003438864.1 calcium-responsive transactivator-like
XP_003200287.1 calcium-transporting ATPase type 2C member 1
XP_004003395.1 calcium-transporting ATPase type 2C member 1 isoform 2
XP_003451276.1 calcium-transporting ATPase type 2C member 1-like
XP_002739710.1 calcyphosine-like, partial
XP_001344439.3 calmegin-like
XP_001919742.1 calmodulin-binding transcription activator 1-like
XP_003459988.1 calmodulin-binding transcription activator 2-like
XP_002666603.2 calmodulin-binding transcription activator 2-like, partial
XP_003438489.1 calmodulin-lysine N-methyltransferase-like
XP_003454209.1 calmodulin-regulated spectrin-associated protein 1-B-like
XP_003223659.1 calmodulin-regulated spectrin-associated protein 2-like
XP_003197845.1 calmodulin-regulated spectrin-associated protein 3-like isoform X1
XP_003309811.2 calmodulin-related protein-like
XP_003448067.1 calnexin-like
XP_004076077.1 calpain small subunit 1-like
XP_003441065.1 calpain-1 catalytic subunit-like
XP_689397.4 calpain-1 catalytic subunit-like isoform 1
XP_004084812.1 calpain-1 catalytic subunit-like, partial
XP_003209214.1 calpain-10-like
XP_002663893.2 calpain-15 isoform X1
XP_003438509.1 calpain-15-like
XP_537240.2 calpain-2 catalytic subunit
XP_003972258.1 calpain-2 catalytic subunit-like
XP_003230332.1 calpain-3-like, partial
XP_003456454.1 calpain-5
XP_001345114.2 calpain-5-like
XP_003216085.1 calpain-8-like
XP_003457559.1 calponin-3-like
XP_003448812.1 calreticulin-like isoform 3
XP_003451144.1 calsenilin-like
XP_004072231.1 calsenilin-like isoform 1
XP_003455497.1 calsequestrin-2-like
XP_001500410.2 calsequestrin-2-like isoform 1
XP_003444853.1 calsyntenin-1
XP_004070434.1 calsyntenin-1-like
XP_698154.4 calsyntenin-2-like
XP_004078258.1 calsyntenin-3-like
XP_695627.2 caM kinase-like vesicle-associated protein-like
XP_001111571.2 cAMP-dependent protein kinase catalytic subunit alpha isoform 1
XP_003975318.1 cAMP-dependent protein kinase catalytic subunit beta-like
XP_690430.2 cAMP-dependent protein kinase catalytic subunit PRKX-like
XP_001332512.1 cAMP-dependent protein kinase inhibitor alpha-like
XP_003228061.1 cAMP-dependent protein kinase inhibitor beta-like
XP_004071058.1 cAMP-dependent protein kinase inhibitor gamma-like
XP_003441299.1 cAMP-dependent protein kinase type II-alpha regulatory subunit-like

XP_004069593.1 cAMP-dependent protein kinase type II-beta regulatory subunit-like isoform 1
XP_003200472.1 cAMP-regulated D2 protein
XP_692585.5 cAMP-regulated phosphoprotein 21 isoform X4
XP_683024.3 cAMP-responsive element modulator isoform X3
XP_004078612.1 cAMP-responsive element modulator-like
XP_708955.2 cAMP-specific 3',5'-cyclic phosphodiesterase 4B isoformX2
XP_003449127.1 cAMP-specific 3',5'-cyclic phosphodiesterase 4D
XP_003433850.1 cAMP-specific 3',5'-cyclic phosphodiesterase 4D isoform 1
XP_003981032.1 cAMP-specific 3',5'-cyclic phosphodiesterase 4D isoform 4
XP_003199472.1 cAMP-specific 3',5'-cyclic phosphodiesterase 4D-like
XP_003964177.1 canalicular multispecific organic anion transporter 1-like
XP_004077201.1 canalicular multispecific organic anion transporter 1-like isoform 1
XP_004077202.1 canalicular multispecific organic anion transporter 1-like isoform 2
XP_001519322.2 canalicular multispecific organic anion transporter 1-like, partial
XP_003438550.1 canalicular multispecific organic anion transporter 2-like
XP_003199442.1 CAP-Gly domain-containing linker protein 1
XP_003974995.1 CAP-Gly domain-containing linker protein 1-like
XP_684289.2 CAP-Gly domain-containing linker protein 2 isoform X2
XP_690922.4 CAP-Gly domain-containing linker protein 3 isoform X2
XP_003445557.1 CAP-Gly domain-containing linker protein 4
XP_003449946.1 cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1-like
XP_687788.4 carabin-like
XP_002742294.1 carbohydrate sulfotransferase 11-like
XP_003450794.1 carbohydrate sulfotransferase 1-like
XP_003439608.1 carbohydrate sulfotransferase 6-like
XP_692200.1 carbohydrate sulfotransferase 7-like
XP_001335085.2 carbohydrate sulfotransferase 8
XP_001336903.4 carbohydrate sulfotransferase 8, partial
XP_004070043.1 carbonic anhydrase 12-like
XP_003976205.1 carbonic anhydrase 14-like
XP_003965576.1 carbonic anhydrase 15-like
XP_003978720.1 carbonic anhydrase 1-like
XP_003971089.1 carbonic anhydrase 4-like
XP_003439637.1 carbonic anhydrase 5B, mitochondrial-like
XP_003963272.1 carbonic anhydrase 6-like
XP_003201498.1 carbonic anhydrase 9-like
XP_003978573.1 carbonic anhydrase-related protein 10-like
XP_003483068.1 carbonic anhydrase-related protein 10-like, partial
XP_003453209.1 carbonic anhydrase-related protein-like
XP_001510325.1 carboxylesterase 3-like
XP_003976448.1 carboxylesterase 5A-like, partial
XP_003767405.1 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein isoform 1
XP_003449693.1 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein-like
XP_003963089.1 carboxypeptidase A1-like
XP_001342149.4 carboxypeptidase A6-like
XP_004066650.1 carboxypeptidase B2-like
XP_002748257.1 carboxypeptidase D
XP_691464.3 carboxypeptidase D isoform X2
XP_003449737.1 carboxypeptidase E
XP_001337309.3 carboxypeptidase N subunit 2
XP_003966086.1 carboxypeptidase Q-like
XP_003458506.1 carboxypeptidase Z-like
XP_003446596.1 carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1-like
XP_004071066.1 carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 2-like
XP_003969135.1 carboxy-terminal kinesin 2-like
XP_003464751.1 carcinoembryonic antigen-related cell adhesion molecule 1 isoform 1
XP_002665524.1 carcinoembryonic antigen-related cell adhesion molecule 5
XP_001920977.3 carcinoembryonic antigen-related cell adhesion molecule 5-like
XP_002664856.1 carcinoembryonic antigen-related cell adhesion molecule 8-like
XP_688483.3 carnitine O-palmitoyltransferase 1, liver isoform isoform 2
XP_002666893.2 carnitine O-palmitoyltransferase 1, liver isoform isoform X1
XP_002666747.2 carnitine O-palmitoyltransferase 1, liver isoform-like
XP_003438523.1 carnitine O-palmitoyltransferase 1, liver isoform-like isoform 1
XP_003440403.1 carnitine O-palmitoyltransferase 1, liver isoform-like isoform 2
XP_693888.4 cartilage acidic protein 1-like
XP_004085768.1 cartilage intermediate layer protein 1-like
XP_685991.3 cartilage intermediate layer protein 2
XP_001341038.1 cas scaffolding protein family member 4-like
XP_003782866.1 CAS1 domain-containing protein 1
XP_002664490.2 casein kinase I isoform alpha isoform X1
XP_001379385.2 casein kinase I isoform delta-like
XP_003969852.1 casein kinase I isoform gamma-1-like
XP_003422173.1 casein kinase I isoform gamma-2
XP_001363956.1 casein kinase I isoform gamma-2 isoform 2
XP_003445108.1 casein kinase I isoform gamma-2-like isoform 2
XP_003230513.1 casein kinase I isoform gamma-2-like, partial
XP_003757099.1 casein kinase II subunit alpha, partial
XP_003446554.1 casein kinase II subunit alpha-like
XP_003770556.1 casein kinase II subunit beta-like, partial

XP_003449365.1 caseolytic peptidase B protein homolog
XP_003463511.1 caseolytic peptidase B protein homolog isoformX2
XP_002664799.1 caseolytic peptidase B protein homolog, partial
XP_004072044.1 caskin-1-like
XP_003199651.1 caskin-2
XP_002661335.2 caskin-2-like, partial
XP_003962037.1 CASP8 and FADD-like apoptosis regulator-like
XP_003967011.1 caspase activity and apoptosis inhibitor 1-like
XP_003443272.1 caspase recruitment domain-containing protein 11
XP_003443252.1 caspase recruitment domain-containing protein 11-like
XP_004065688.1 caspase recruitment domain-containing protein 14-like
XP_003976398.1 caspase recruitment domain-containing protein 14-like, partial
XP_001338890.2 caspase-3-like isoform X1
XP_004085480.1 caspase-6-like, partial
XP_002666866.2 cat eye syndrome critical region protein 2
XP_003447126.1 cat eye syndrome critical region protein 5 homolog
XP_001336420.1 cat eye syndrome critical region protein 6 homolog
XP_003201383.1 catenin alpha-1
XP_003445903.1 catenin alpha-1 isoform 2
XP_003215304.1 catenin alpha-1-like
XP_003984267.1 catenin alpha-2-like
XP_003454253.1 catenin alpha-2-like isoform 1
XP_003454255.1 catenin alpha-2-like isoform 3
XP_003978207.1 catenin alpha-2-like, partial
XP_002745158.2 catenin delta-2 isoform 1
XP_003201342.1 catenin delta-2 isoform 2
XP_003967961.1 catenin delta-2-like
XP_002709732.1 catenin, alpha 1-like isoform 1
XP_534415.3 catenin, beta like 1 isoform 1
XP_004083297.1 cathepsin E-A-like
XP_003975123.1 cathepsin L1-like
XP_695717.3 cathepsin O
XP_002661007.2 cathepsin Z-like isoform X1
XP_002709290.1 Cation channel sperm-associated protein 1-like
XP_003450674.1 cation-dependent mannose-6-phosphate receptor-like
XP_001342962.2 cationic amino acid transporter 3-like isoform 1
XP_003456758.1 cation-independent mannose-6-phosphate receptor
XP_004086277.1 caveolin-1-like
XP_003201005.1 caytaxin isoform X1
XP_004068499.1 caytaxin-like
XP_002665081.2 CBL-interacting serine/threonine-protein kinase 25-like
XP_003216219.1 CBP80/20-dependent translation initiation factor-like
XP_001342791.2 c-C chemokine receptor type 11
XP_002664844.1 c-C chemokine receptor type 1-like
XP_002666623.1 c-C chemokine receptor type 4
XP_002664843.2 c-C chemokine receptor type 5-like
XP_003199028.1 c-C motif chemokine 3-like
XP_003454915.1 CCR4-NOT transcription complex subunit 10-like
XP_003458115.1 CCR4-NOT transcription complex subunit 1-like isoform 1
XP_003458116.1 CCR4-NOT transcription complex subunit 1-like isoform 2
XP_003229857.1 CCR4-NOT transcription complex subunit 1-like, partial
XP_003452770.1 CCR4-NOT transcription complex subunit 3-like
XP_697509.2 CCR4-NOT transcription complex subunit 4-like
XP_003967550.1 CCR4-NOT transcription complex subunit 4-like isoform 4
XP_003974714.1 CCR4-NOT transcription complex subunit 6-like
XP_003446712.1 CD109 antigen
XP_697512.5 CD109 antigen-like
XP_003511488.1 CD164 sialomucin-like 2 protein-like
XP_004075399.1 CD166 antigen homolog A-like
XP_004085327.1 CD209
XP_003760951.1 CD209 antigen
XP_002921954.1 CD209 antigen-like
XP_003979014.1 CD209 antigen-like protein 2-like
XP_003199399.1 CD209 antigen-like protein B-like
XP_003219772.1 CD226 antigen-like
XP_003459734.1 CD2-associated protein-like
XP_002667680.1 CD302 antigen-like
XP_001922491.1 CD44 antigen
XP_003967457.1 CD44 antigen-like
XP_001336789.2 CD59 glycoprotein-like isoform X1
XP_003438954.1 CD63 antigen-like
XP_003448327.1 CD9 antigen-like
XP_003972756.1 CD9 antigen-like isoform 2
XP_003442017.1 CD97 antigen-like
XP_004071989.1 cdc42 effector protein 1-like
XP_001922973.1 cdc42 effector protein 3-like
XP_003964808.1 cdc42-interacting protein 4 homolog isoform 2
XP_003964809.1 cdc42-interacting protein 4 homolog isoform 3
XP_003971997.1 CDGSH iron-sulfur domain-containing protein 2A-like

XP_003975415.1 CDK5 and ABL1 enzyme substrate 1-like
XP_001920873.2 CDK5 and ABL1 enzyme substrate 2
XP_003457665.1 CDK5 and ABL1 enzyme substrate 2-like
XP_001919825.1 CDK5 and ABL1 enzyme substrate 2-like isoform X1
XP_002714277.1 CDK5 regulatory subunit associated protein 1-like 1
XP_003442763.1 CDK5 regulatory subunit-associated protein 1-like
XP_003443757.1 CDK5 regulatory subunit-associated protein 1-like 1-like
XP_537469.1 CDK-activating kinase assembly factor MAT1 isoform 1
XP_002742363.1 Cdon homolog
XP_002667121.2 CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial-like
XP_003199680.1 CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial-like, partial
XP_003438880.1 CDP-diacylglycerol--serine O-phosphatidyltransferase-like
XP_003453753.1 cell adhesion molecule 1-like
XP_003446862.1 cell adhesion molecule 2-like
XP_003976910.1 cell adhesion molecule 3-like, partial
XP_003450584.1 cell adhesion molecule 4-like
XP_003968695.1 cell adhesion molecule-related/down-regulated by oncogenes-like
XP_003444752.1 cell cycle checkpoint control protein RAD9A-like
XP_003446216.1 cell cycle control protein 50A-like
XP_003962553.1 cell cycle control protein 50B-like
XP_003405950.1 cell differentiation protein RCD1 homolog
XP_003814009.1 cell division control protein 42 homolog isoform 5
XP_003451089.1 cell division control protein 45 homolog isoform 1
XP_003438071.1 cell division cycle 7-related protein kinase-like
XP_003203245.1 cell division cycle protein 16 homolog
XP_004074040.1 cell division cycle-associated 7-like protein-like
XP_004081807.1 cell division cycle-associated protein 7-like
XP_004081544.1 cell surface A33 antigen-like
XP_003198751.1 cell surface glycoprotein MUC18
XP_003450918.1 cell surface glycoprotein MUC18-like
XP_002666055.1 cell wall integrity and stress response component 4
XP_001922882.1 cellular nucleic acid-binding protein isoform 1
XP_003216490.1 centelin-like
XP_001345066.1 centrin-1-like
XP_003978063.1 centriole, cilia and spindle-associated protein-like
XP_003226728.1 centromere-like
XP_001920805.1 centromere protein I
XP_697409.4 centromere protein J
XP_001335405.3 centromere protein U-like
XP_003456384.1 centrosomal protein of 112 kDa
XP_002663091.2 centrosomal protein of 120 kDa
XP_003439979.1 centrosomal protein of 135 kDa-like
XP_694227.3 centrosomal protein of 152 kDa-like
XP_003341308.1 centrosomal protein of 164 kDa
XP_004076025.1 centrosomal protein of 164 kDa-like
XP_685634.5 centrosomal protein of 170 kDa
XP_004028726.1 centrosomal protein of 170 kDa-like
XP_003200195.1 centrosomal protein of 192 kDa-like
XP_002935622.1 centrosomal protein of 57 kDa isoform X1
XP_003966453.1 centrosomal protein of 70 kDa-like
XP_003452142.1 centrosomal protein of 76 kDa-like
XP_003220784.1 centrosomal protein of 78 kDa-like
XP_690486.4 centrosomal protein of 85 kDa isoform X5
XP_003986560.1 centrosomal protein of 85 kDa-like
XP_003458359.1 centrosomal protein of 95 kDa-like
XP_003452966.1 centrosomal protein of 97 kDa-like
XP_691080.3 centrosomal protein POC5 isoform X2
XP_001919179.3 centrosome and spindle pole-associated protein 1-like, partial
XP_002717124.1 centrosome protein 4
XP_003440041.1 centrosome-associated protein 350
XP_003430911.1 centrosome-associated protein 350 isoform 2
XP_692550.3 centrosome-associated protein CEP250 isoform X3
XP_004084487.1 ceramide glucosyltransferase-like
XP_003440031.1 ceramide synthase 1-like
XP_693668.1 ceramide synthase 2-like
XP_002661020.2 ceramide synthase 2-like isoform X1
XP_693283.4 ceramide synthase 6 isoform X2
XP_003961979.1 ceramide synthase 6-like
XP_001921432.2 cerebellar degeneration-related protein 2-like
XP_003458118.1 cerebellin-1-like
XP_003451659.1 ceroid-lipofuscinosis neuronal protein 5-like
XP_004069799.1 C-factor-like
XP_003449362.1 cGMP-dependent 3',5'-cyclic phosphodiesterase-like
XP_004085466.1 cGMP-dependent 3',5'-cyclic phosphodiesterase-like, partial
XP_003452686.1 cGMP-dependent protein kinase 1-like
XP_003438313.1 cGMP-dependent protein kinase 1-like isoform 1
XP_003964012.1 cGMP-dependent protein kinase 1-like isoform 2
XP_684200.4 cGMP-dependent protein kinase 2-like
XP_003444026.1 cGMP-inhibited 3',5'-cyclic phosphodiesterase A

XP_003967714.1 cGMP-inhibited 3',5'-cyclic phosphodiesterase A-like
XP_003449324.1 chaperone activity of bc1 complex-like, mitochondrial-like
XP_003800883.1 charged multivesicular body protein 1a
XP_001518785.2 charged multivesicular body protein 4b-like
XP_686934.1 charged multivesicular body protein 5-like
XP_002713083.1 chemokine binding protein 2
XP_002667429.1 chemokine XC receptor 1-like
XP_002662920.1 chemokine-like factor-like
XP_003200236.1 chemokine-like receptor 1-like
XP_001496550.2 chitinase-3-like protein 1
XP_003449789.1 chloride anion exchanger-like
XP_003440005.1 chloride channel CLIC-like protein 1-like
XP_003452759.1 chloride channel protein 1
XP_695866.3 chloride channel protein 1-like
XP_003456360.1 chloride channel protein 2-like
XP_004084772.1 chloride channel protein 2-like, partial
XP_003452471.1 chloride intracellular channel protein 1-like
XP_004073139.1 chloride intracellular channel protein 2-like
XP_003446233.1 chloride intracellular channel protein 4-like
XP_002189758.1 chloride intracellular channel protein 5
XP_003966512.1 chloride intracellular channel protein 5-like
XP_696527.3 chloride transport protein 6 isoform X2
XP_003454315.1 chloride transport protein 6-like
XP_697493.2 cholecystokinin receptor type A-like
XP_002663361.2 cholecystokinin receptor-like isoform X1
XP_001344424.1 cholesterol 25-hydroxylase-like
XP_687496.2 cholesterol 7-alpha-monooxygenase-like isoform X2
XP_003439569.1 cholesteryl ester transfer protein-like
XP_003444895.1 choline dehydrogenase, mitochondrial-like
XP_004069736.1 choline kinase alpha-like
XP_003207865.1 choline O-acetyltransferase-like
XP_003223812.1 choline transporter-like protein 1-like
XP_003976068.1 choline transporter-like protein 4-like
XP_003447757.1 choline/ethanolaminephosphotransferase 1-like
XP_002663992.1 chondroadherin-like protein-like
XP_001337205.1 chondroitin sulfate glucuronyltransferase isoform 1
XP_003451529.1 chondroitin sulfate N-acetylgalactosaminyltransferase 1-like
XP_001923457.2 chondroitin sulfate proteoglycan 4
XP_004072309.1 chondroitin sulfate proteoglycan 4-like
XP_704780.3 chondroitin sulfate proteoglycan 5 isoform X6
XP_003450346.1 chondroitin sulfate proteoglycan 5-like
XP_004084426.1 chondroitin sulfate synthase 1-like
XP_001923418.1 chondroitin sulfate synthase 2-like
XP_003439650.1 chondroitin sulfate synthase 3
XP_003456361.1 chordin-like
XP_003212468.1 chromaffin granule amine transporter-like
XP_004081846.1 chromatin assembly factor 1 subunit B-like
XP_001503053.2 chromatin complexes subunit BAP18-like isoform 1
XP_003419876.1 chromobox protein homolog 7-like
XP_002761252.1 chromodomain Y-like protein 2
XP_004067396.1 chromodomain Y-like protein 2-like
XP_004002451.1 chromodomain-helicase-DNA-binding protein 1-like isoform 3
XP_004070075.1 chromodomain-helicase-DNA-binding protein 2-like
XP_003449425.1 chromodomain-helicase-DNA-binding protein 3
XP_696641.3 chromodomain-helicase-DNA-binding protein 3 isoform X3
XP_003966993.1 chromodomain-helicase-DNA-binding protein 3-like
XP_003452755.1 chromodomain-helicase-DNA-binding protein 4
XP_685699.4 chromodomain-helicase-DNA-binding protein 4 isoform X1
XP_003450692.1 chromodomain-helicase-DNA-binding protein 4-like
XP_003229225.1 chromodomain-helicase-DNA-binding protein 5-like
XP_003447741.1 chromodomain-helicase-DNA-binding protein 6-like
XP_003749947.1 chromodomain-helicase-DNA-binding protein 7
XP_003457485.1 chromodomain-helicase-DNA-binding protein 8-like
XP_003437710.1 chromodomain-helicase-DNA-binding protein 9
XP_003222958.1 chromodomain-helicase-DNA-binding protein 9-like isoform 1
XP_706416.1 chromosomal protein D1 isoform 2
XP_421283.2 chromosome 5 open reading frame, human C14orf118 isoform X6
XP_004076733.1 chromosome-associated kinesin KIF4-like
XP_003444839.1 chymotrypsin-like elastase family member 2A-like
XP_003437636.1 chymotrypsinogen 2-like
XP_003451014.1 cingulin-like
XP_003199047.1 cingulin-like 1
XP_689920.3 cingulin-like isoform X2
XP_003970087.1 cingulin-like protein 1-like
XP_003457391.1 circularly permuted Ras protein 1-like
XP_003449295.1 cirhin-like
XP_002824438.2 citrate lyase subunit beta-like protein, mitochondrial
XP_004081497.1 citrate lyase subunit beta-like protein, mitochondrial-like
XP_003438945.1 citrate synthase, mitochondrial-like

XP_003441456.1 citron Rho-interacting kinase-like
XP_003201433.1 c-Jun-amino-terminal kinase-interacting protein 1-like
XP_003440602.1 c-Jun-amino-terminal kinase-interacting protein 2-like
XP_003454028.1 c-Jun-amino-terminal kinase-interacting protein 3 isoform 1
XP_001336984.3 c-Jun-amino-terminal kinase-interacting protein 3-like
XP_004071570.1 c-Jun-amino-terminal kinase-interacting protein 3-like isoform 1
XP_004012800.1 c-Jun-amino-terminal kinase-interacting protein 4 isoform 1
XP_002748465.1 c-Jun-amino-terminal kinase-interacting protein 4 isoform 3
XP_003642404.1 c-Jun-amino-terminal kinase-interacting protein 4 isoformX1
XP_001518291.2 c-Jun-amino-terminal kinase-interacting protein 4, partial
XP_002663916.2 c-Jun-amino-terminal kinase-interacting protein 4-like
XP_003969963.1 CKLF-like MARVEL transmembrane domain-containing protein 4-like
XP_001340685.1 clarin-3-like
XP_002665647.2 claspin-like
XP_003770150.1 class A basic helix-loop-helix protein 9
XP_002663164.1 class E basic helix-loop-helix protein 22-like
XP_003963388.1 class E basic helix-loop-helix protein 23-like
XP_687419.5 clathrin coat assembly protein AP180 isoform X2
XP_003458096.1 clathrin heavy chain 1-like
XP_003467513.1 clathrin heavy chain linker domain-containing protein 1 isoform 1
XP_003200937.1 clathrin interactor 1-like
XP_004086055.1 clathrin light chain A-like
XP_003972560.1 clathrin light chain A-like isoform 2
XP_002666843.2 clathrin light chain B-like isoformX1
XP_002716527.1 claudin 18 isoform 1
XP_003459185.1 claudin domain-containing protein 1-like
XP_003961870.1 claudin-10A-like
XP_003440935.1 claudin-10-like
XP_003438075.1 claudin-18-like
XP_003975798.1 claudin-1-like
XP_002667655.2 claudin-20-like
XP_001333025.2 claudin-23-like
XP_001332015.3 claudin-3-like
XP_697281.2 claudin-3-like isoform 2
XP_003459496.1 claudin-4-like
XP_002660634.2 claudin-6-like
XP_699456.2 claudin-7-like
XP_002938484.1 claudin-8-like
XP_003971833.1 cleavage and polyadenylation specificity factor subunit 2-like
XP_004083079.1 cleavage and polyadenylation specificity factor subunit 6-like isoform 1
XP_003442435.1 cleavage and polyadenylation specificity factor subunit 7-like
XP_003446533.1 cleavage stimulation factor subunit 1-like
XP_003781262.1 cleavage stimulation factor subunit 3 isoform 2
XP_003454853.1 cleft lip and palate transmembrane protein 1 homolog
XP_003222949.1 cleft lip and palate transmembrane protein 1-like
XP_003444157.1 cleft lip and palate transmembrane protein 1-like protein-like isoform 1
XP_004085020.1 cleft lip and palate transmembrane protein 1-like protein-like isoform 2
XP_003445337.1 CLIP-associating protein 1-like
XP_002723052.1 CLIP-associating protein 1-like isoform 3
XP_003444184.1 CLIP-associating protein 2-like
XP_003454858.1 CLK4-associating serine/arginine rich protein-like
XP_003437871.1 clusterin-like protein 1-like
XP_003437822.1 CMP-N-acetylneuraminic acid-1,4-galactoside alpha-2,3-sialyltransferase-like
XP_002188162.1 CMP-N-acetylneuraminic acid-beta-galactosamide-alpha-2,3-sialyltransferase 1
XP_003443806.1 CMP-N-acetylneuraminic acid-beta-galactosamide-alpha-2,3-sialyltransferase 1-like
XP_003439647.1 CMP-N-acetylneuraminic acid-beta-galactosamide-alpha-2,3-sialyltransferase 2-like
XP_002925564.1 CMP-sialic acid transporter-like
XP_002723630.1 CMRF35-like molecule 1-like
XP_003211641.1 CMRF35-like molecule 2-like
XP_003197826.1 CMRF35-like molecule 9-like
XP_001343728.3 coagulation factor IX-like
XP_003435037.1 coagulation factor V
XP_002664307.2 coagulation factor VIII
XP_686649.4 coagulation factor XIII A chain-like
XP_003448975.1 coagulation factor XI-like
XP_004078629.1 coatamer subunit alpha-like isoform 1
XP_003442341.1 coatamer subunit beta-like
XP_003975730.1 coatamer subunit beta'-like
XP_003457661.1 coatamer subunit delta-like
XP_003445006.1 coatamer subunit gamma-2-like
XP_003446186.1 COBW domain-containing protein 2-like
XP_691343.2 cocaine- and amphetamine-regulated transcript protein
XP_685429.2 cocaine- and amphetamine-regulated transcript protein-like
XP_693684.5 codanin-1-like
XP_003438947.1 coenzyme Q-binding protein COQ10 homolog A, mitochondrial-like
XP_692954.2 cohesin subunit SA-1
XP_003445295.1 cohesin subunit SA-1-like
XP_686812.5 cohesin subunit SA-2 isoformX1
XP_002664295.2 cohesin subunit SA-2-like

XP_695620.2 coiled-coil alpha-helical rod protein 1 isoform X2
XP_003448555.1 coiled-coil and C2 domain-containing protein 1A-like
XP_004078753.1 coiled-coil and C2 domain-containing protein 1B-like
XP_003201209.1 coiled-coil and C2 domain-containing protein 2A
XP_003756440.1 coiled-coil domain-containing protein 102A-like
XP_003458725.1 coiled-coil domain-containing protein 107-like
XP_004085552.1 coiled-coil domain-containing protein 109B-like, partial
XP_003446173.1 coiled-coil domain-containing protein 112-like
XP_003451760.1 coiled-coil domain-containing protein 117-like
XP_002929778.1 coiled-coil domain-containing protein 123, mitochondrial-like
XP_002666731.1 coiled-coil domain-containing protein 129 isoform X1
XP_003457313.1 coiled-coil domain-containing protein 132
XP_001923725.3 coiled-coil domain-containing protein 132, partial
XP_003969358.1 coiled-coil domain-containing protein 132-like
XP_003198052.1 coiled-coil domain-containing protein 134 isoform X1
XP_003443154.1 coiled-coil domain-containing protein 134-like
XP_683491.5 coiled-coil domain-containing protein 135-like
XP_001363193.1 coiled-coil domain-containing protein 135-like isoform 1
XP_002666983.2 coiled-coil domain-containing protein 136
XP_004069975.1 coiled-coil domain-containing protein 136-like
XP_003765747.1 coiled-coil domain-containing protein 138, partial
XP_003975423.1 coiled-coil domain-containing protein 13-like
XP_003409004.1 coiled-coil domain-containing protein 147-like
XP_003513782.1 coiled-coil domain-containing protein 147-like, partial
XP_003447462.1 coiled-coil domain-containing protein 148-like
XP_003450369.1 coiled-coil domain-containing protein 149-B-like
XP_003221396.1 coiled-coil domain-containing protein 149-like, partial
XP_002666418.2 coiled-coil domain-containing protein 15
XP_545577.3 coiled-coil domain-containing protein 150 isoform 1
XP_001519899.2 coiled-coil domain-containing protein 152-like, partial
XP_003448561.1 coiled-coil domain-containing protein 165-like
XP_002743000.1 coiled-coil domain-containing protein 171
XP_002663472.1 coiled-coil domain-containing protein 173
XP_002122599.1 coiled-coil domain-containing protein 176-like
XP_001334826.3 coiled-coil domain-containing protein 178-like
XP_003197873.1 coiled-coil domain-containing protein 18
XP_003441742.1 coiled-coil domain-containing protein 19, mitochondrial-like
XP_003440362.1 coiled-coil domain-containing protein 33-like
XP_687726.1 coiled-coil domain-containing protein 36-like
XP_003198830.1 coiled-coil domain-containing protein 37-like
XP_003417398.1 coiled-coil domain-containing protein 40-like
XP_003385236.1 coiled-coil domain-containing protein 42 homolog
XP_003442455.1 coiled-coil domain-containing protein 47-like
XP_001333751.1 coiled-coil domain-containing protein 48-like
XP_003439184.1 coiled-coil domain-containing protein 50-like
XP_690155.4 coiled-coil domain-containing protein 50-like isoform X4
XP_003199676.1 coiled-coil domain-containing protein 57-like isoform X1
XP_003210129.1 coiled-coil domain-containing protein 66-like
XP_001336993.4 coiled-coil domain-containing protein 66-like isoform X1
XP_003447195.1 coiled-coil domain-containing protein 77-like
XP_001336747.1 coiled-coil domain-containing protein 80
XP_533983.2 coiled-coil domain-containing protein 81 isoform 2
XP_789321.3 coiled-coil domain-containing protein 83-like
XP_003455321.1 coiled-coil domain-containing protein 84-like
XP_003444663.1 coiled-coil domain-containing protein 85B-like
XP_003444781.1 coiled-coil domain-containing protein 88B-like
XP_003200941.1 coiled-coil domain-containing protein 92-like
XP_001333116.1 coiled-coil domain-containing protein 97-like
XP_001920628.2 coiled-coil domain-containing protein C16orf93 homolog
XP_002933820.1 coiled-coil domain-containing protein C1orf110 homolog isoform X1
XP_683028.3 coiled-coil domain-containing protein C6orf204
XP_003200359.1 coiled-coil domain-containing protein C6orf97
XP_003964797.1 coiled-coil-helix-coiled-coil-helix domain-containing protein 5-like
XP_003459970.1 collagen alpha-1(II) chain-like
XP_004084507.1 collagen alpha-1(IV) chain-like
XP_002664125.1 collagen alpha-1(IX) chain-like
XP_003200573.1 collagen alpha-1(IX) chain-like, partial
XP_004071661.1 collagen alpha-1(V) chain-like
XP_698253.2 collagen alpha-1(VI) chain
XP_003457500.1 collagen alpha-1(VI) chain-like
XP_687953.4 collagen alpha-1(VII) chain
XP_004068598.1 collagen alpha-1(VII) chain-like
XP_683515.5 collagen alpha-1(X) chain
XP_003641762.1 collagen alpha-1(XI) chain isoform X4
XP_003208698.1 collagen alpha-1(XI) chain-like
XP_003456688.1 collagen alpha-1(XI) chain-like isoform 2
XP_003481552.1 collagen alpha-1(XI) chain-like, partial
XP_002665305.2 collagen alpha-1(XII) chain
XP_691404.5 collagen alpha-1(XII) chain-like

XP_001922046.3 collagen alpha-1(XIV) chain
XP_003200547.1 collagen alpha-1(XIV) chain-like
XP_003230077.1 collagen alpha-1(XIV) chain-like, partial
XP_002664250.2 collagen alpha-1(XIX) chain-like
XP_004074072.1 collagen alpha-1(XVI) chain-like
XP_697241.3 collagen alpha-1(XVII) chain
XP_003439225.1 collagen alpha-1(XVIII) chain-like
XP_003978221.1 collagen alpha-1(XX) chain-like
XP_002667371.1 collagen alpha-1(XXI) chain-like
XP_002665520.2 collagen alpha-1(XXII) chain
XP_003969177.1 collagen alpha-1(XXII) chain-like
XP_003970466.1 collagen alpha-1(XXIII) chain-like
XP_004002202.1 collagen alpha-1(XXIV) chain
XP_004068125.1 collagen alpha-1(XXIV) chain-like
XP_004075687.1 collagen alpha-1(XXVI) chain-like
XP_003451559.1 collagen alpha-1(XXVII) chain A-like
XP_003454206.1 collagen alpha-1(XXVII) chain B-like
XP_415514.3 collagen alpha-1(XXVII) chain isoform X3
XP_003961975.1 collagen alpha-1(XXVIII) chain-like
XP_003452979.1 collagen alpha-2(IV) chain-like
XP_003448964.1 collagen alpha-2(IX) chain-like
XP_004078520.1 collagen alpha-2(V) chain-like
XP_003225332.1 collagen alpha-2(V) chain-like, partial
XP_696164.2 collagen alpha-2(VI) chain isoform X2
XP_004081925.1 collagen alpha-2(VI) chain-like
XP_003969090.1 collagen alpha-2(VIII) chain-like
XP_692548.2 collagen alpha-2(XI) chain-like
XP_004084845.1 collagen alpha-2(XI) chain-like, partial
XP_003991269.1 collagen alpha-3(IV) chain
XP_003449013.1 collagen alpha-3(IV) chain-like
XP_003201728.1 collagen alpha-3(IX) chain-like
XP_003451274.1 collagen alpha-3(VI) chain-like
XP_003449014.1 collagen alpha-4(IV) chain-like
XP_001334803.4 collagen alpha-4(VI) chain-like
XP_002927782.1 collagen alpha-5(VI) chain-like
XP_003199046.1 collagen alpha-6(IV) chain-like
XP_003965849.1 collagen alpha-6(VI) chain-like
XP_003437731.1 collagen and calcium-binding EGF domain-containing protein 1-like
XP_001363691.2 collagen type IV alpha-3-binding protein isoform 1
XP_004072480.1 collagen type IV alpha-3-binding protein-like
XP_003975090.1 collagen type IV alpha-3-binding protein-like isoform 2
XP_003441718.1 collagenase 3-like
XP_002798555.1 collagen-like protein 1-like
XP_003966074.1 collectin-10-like
XP_003411921.1 collectin-11-like
XP_003439401.1 collectin-12-like
XP_003198612.1 colorectal mutant cancer protein isoform X1
XP_003404792.1 colorectal mutant cancer protein-like
XP_004072249.1 COMM domain-containing protein 10-like
XP_004066163.1 complement C1q tumor necrosis factor-related protein 1-like
XP_003970477.1 complement C1q tumor necrosis factor-related protein 2-like
XP_003460222.1 complement C1q tumor necrosis factor-related protein 3-like
XP_693031.2 complement C1q tumor necrosis factor-related protein 7-like isoform X2
XP_001336467.3 complement C1q-like protein 2-like
XP_695928.4 complement C1q-like protein 4-like
XP_004078023.1 complement C1r subcomponent-like
XP_003223793.1 complement C1s subcomponent-like
XP_003450066.1 complement C3-like
XP_003972136.1 complement C3-like isoform 2
XP_001334640.1 complement C4-B
XP_694622.2 complement C4-B isoform X3
XP_003454474.1 complement C4-like
XP_003458099.1 complement component 1 Q subcomponent-binding protein, mitochondrial-like
XP_001920705.2 complement component 1, q subcomponent-like 2
XP_003226999.1 complement factor H-like
XP_003453344.1 complement factor H-like, partial
XP_003963527.1 complement receptor type 1-like
XP_003773557.1 complexin-1
XP_004073653.1 complexin-1-like isoform 1
XP_003447684.1 complexin-2-like
XP_003437603.1 complexin-3-like
XP_003466469.1 connector enhancer of kinase suppressor of ras 2
XP_001919009.1 connector enhancer of kinase suppressor of ras 2 isoform X1
XP_003223424.1 connector enhancer of kinase suppressor of ras 2-like
XP_003204180.1 connector enhancer of kinase suppressor of ras 3-like, partial
XP_003270059.1 conserved oligomeric Golgi complex subunit 6 isoform 2
XP_003968714.1 conserved oligomeric Golgi complex subunit 6-like
XP_003224025.1 constitutive coactivator of PPAR-gamma-like protein 1-like
XP_003457133.1 constitutive coactivator of PPAR-gamma-like protein 2-like

XP_691801.5 contactin associated protein-like 2b
 XP_001338473.4 contactin associated protein-like 5
 XP_700622.5 contactin associated protein-like 5b
 XP_003444051.1 contactin-1a-like
 XP_003202050.1 contactin-1-like
 XP_001340839.4 contactin-3-like
 XP_003442768.1 contactin-4-like
 XP_003450251.1 contactin-5-like
 XP_003443637.1 contactin-associated protein-like 2-like
 XP_001919314.2 contactin-associated protein-like 2-like, partial
 XP_003447528.1 contactin-associated protein-like 4-like
 XP_003962183.1 contactin-associated protein-like 5-like
 XP_003201063.1 contactin-associated protein-like 5-like, partial
 XP_003209527.1 COP9 signalosome complex subunit 2-like
 XP_001521692.2 COP9 signalosome complex subunit 2-like, partial
 XP_004073073.1 COP9 signalosome complex subunit 6-like
 XP_001920825.1 copine-4-like
 XP_004069324.1 copine-5-like
 XP_003758551.1 copine-7
 XP_692981.4 copine-7-like
 XP_002661937.2 copine-8
 XP_002667001.1 copine-8 isoform X1
 XP_002929670.1 copine-8-like
 XP_003446559.1 copine-9-like
 XP_004079909.1 copper chaperone for superoxide dismutase-like
 XP_003970480.1 copper-transporting ATPase 1-like
 XP_004066430.1 copper-transporting ATPase 2-like
 XP_003440016.1 coproporphyrinogen-III oxidase, mitochondrial-like
 XP_003223722.1 cordon-bleu protein-like 1-like
 XP_002815952.2 core histone macro-H2A.1-like
 XP_003455046.1 core histone macro-H2A.2-like
 XP_004081971.1 corepressor interacting with RBPJ 1-like
 XP_003458833.1 cornifelin homolog
 XP_003442446.1 coronin-1A-like
 XP_683545.4 coronin-1C isoform 1
 XP_003451694.1 coronin-1C-like
 XP_003456497.1 coronin-2A-like
 XP_003755733.1 coronin-2B
 XP_003450796.1 coronin-2B, partial
 XP_004076233.1 coronin-6-like
 XP_004071711.1 coronin-7-like
 XP_683573.3 cortactin-binding protein 2
 XP_003449255.1 cortactin-binding protein 2-like
 XP_003921732.1 cortixin-2-like
 XP_003200249.1 cortixin-2-like isoform 1
 XP_003786279.1 corticotropin-releasing factor receptor 1 isoform 3
 XP_003975378.1 corticotropin-releasing factor receptor 2-like
 XP_004076684.1 coxsackievirus and adenovirus receptor homolog
 XP_004085534.1 cpG-binding protein-like
 XP_004014961.1 craniofacial development protein 2-like
 XP_003459658.1 creatine kinase B-type-like
 XP_003452812.1 creatine kinase M-type-like
 XP_004069454.1 creatine kinase U-type, mitochondrial-like
 XP_685448.3 CREB/ATF bZIP transcription factor isoform 1
 XP_001920126.3 CREB3 regulatory factor isoform X1
 XP_003971094.1 CREB3 regulatory factor-like
 XP_001332718.3 CREB-binding protein
 XP_003198104.1 CREB-binding protein-like
 XP_003199473.1 CREB-regulated transcription coactivator 1
 XP_004086733.1 CREB-regulated transcription coactivator 2-like
 XP_003456951.1 CREB-regulated transcription coactivator 3-like
 XP_003446710.1 crooked neck-like protein 1-like
 XP_707096.1 crossover junction endonuclease EME1 isoformX2
 XP_002666793.2 crossover junction endonuclease EME1-like
 XP_003458647.1 crossover junction endonuclease MUS81-like
 XP_003455092.1 crumbs homolog 1-like
 XP_003452063.1 cryptochrome-1-like
 XP_003449297.1 cryptochrome-2-like
 XP_003458762.1 CTD nuclear envelope phosphatase 1A-like
 XP_004067077.1 CTD small phosphatase-like protein 2-A-like
 XP_700009.2 CTD small phosphatase-like protein 2-like
 XP_003457466.1 CTD small phosphatase-like protein-like isoform 1
 XP_003227114.1 c-terminal-binding protein 1-like
 XP_003455224.1 C-terminal-binding protein 2-like
 XP_004074151.1 CTP synthase 1-like
 XP_004070792.1 CTTNBP2 N-terminal-like protein-like
 XP_001339584.3 C-type lectin domain family 10 member A isoform X1
 XP_003446032.1 C-type lectin domain family 10 member A-like
 XP_696773.2 C-type lectin domain family 11 member A-like

XP_004009290.1 C-type lectin domain family 17, member A
XP_003442377.1 C-type lectin domain family 18 member A-like
XP_003759114.1 C-type lectin domain family 4 member F-like
XP_002757692.1 C-type lectin domain family 4 member K
XP_003199401.1 C-type lectin domain family 4 member M
XP_003199386.1 C-type lectin domain family 4 member M-like
XP_002667358.2 C-type lectin lectoxin-Phi1-like
XP_003200902.1 c-type mannose receptor 2-like
XP_001919526.1 C-type natriuretic peptide 2-like
XP_003432160.1 CUB and sushi domain-containing protein 1
XP_002667222.2 CUB and sushi domain-containing protein 1-like
XP_003201627.1 CUB and sushi domain-containing protein 1-like, partial
XP_693833.5 CUB and sushi domain-containing protein 2
XP_001921591.2 CUB and sushi domain-containing protein 3-like
XP_004073994.1 CUB domain-containing protein 1-like
XP_696153.2 CUB domain-containing protein 2
XP_003976569.1 cubilin-like
XP_003458377.1 CUE domain-containing protein 1-like
XP_003964093.1 CUE domain-containing protein 2-like
XP_003460126.1 CUGBP Elav-like family member 1-like isoform 2
XP_002805600.1 CUGBP Elav-like family member 2-like
XP_003967556.1 CUGBP Elav-like family member 2-like isoform 3
XP_004067353.1 CUGBP Elav-like family member 3-A-like isoform 3
XP_004067354.1 CUGBP Elav-like family member 3-A-like isoform 4
XP_004067355.1 CUGBP Elav-like family member 3-A-like isoform 5
XP_003452486.1 CUGBP Elav-like family member 3-like
XP_002664812.2 CUGBP Elav-like family member 3-like isoform X1
XP_003441613.1 CUGBP Elav-like family member 4-like
XP_003451364.1 CUGBP Elav-like family member 5-like
XP_004067741.1 CUGBP Elav-like family member 5-like isoform 1
XP_004067742.1 CUGBP Elav-like family member 5-like isoform 2
XP_003974054.1 CUGBP Elav-like family member 5-like isoform 3
XP_003974055.1 CUGBP Elav-like family member 5-like isoform 4
XP_002742106.1 cullin 1-like
XP_003967888.1 cullin-2-like
XP_003207033.1 cullin-2-like isoform 2
XP_003449300.1 cullin-3-like
XP_003969712.1 cullin-4B-like
XP_004067119.1 cullin-4B-like isoform 1
XP_004067120.1 cullin-4B-like isoform 2
XP_004075304.1 cullin-5-like
XP_003457521.1 cullin-9
XP_003201787.1 cullin-9-like
XP_004083301.1 cullin-associated NEDD8-dissociated protein 1-like
XP_003224680.1 cullin-associated NEDD8-dissociated protein 1-like isoform 2
XP_693902.5 cut-like homeobox 2
XP_003200140.1 CWF19-like protein 2-like
XP_003441733.1 CXADR-like membrane protein-like
XP_696046.1 c-X-C motif chemokine 11-like
XP_003443444.1 c-X-C motif chemokine 14-like
XP_002738573.1 CXXC finger 1 (PHD domain)-like
XP_686158.4 CXXC-type zinc finger protein 5 isoform X4
XP_003507365.1 CXXC-type zinc finger protein 5-like
XP_689408.5 CXXC-type zinc finger protein 5-like isoform X5
XP_003440077.1 cyclic AMP-dependent transcription factor ATF-6 alpha-like
XP_003459084.1 cyclic AMP-dependent transcription factor ATF-6 beta-like
XP_003451363.1 cyclic AMP-responsive element-binding protein 3-like protein 3-B-like
XP_002912918.1 cyclic AMP-responsive element-binding protein 5-like
XP_685111.1 cyclic GMP-AMP synthase-like
XP_696619.5 cyclic nucleotide-gated cation channel beta-1
XP_003447140.1 cyclic nucleotide-gated cation channel beta-1-like
XP_690937.3 cyclic nucleotide-gated cation channel beta-3-like
XP_003967864.1 cyclic nucleotide-gated cation channel beta-3-like, partial
XP_003977094.1 cyclic nucleotide-gated cation channel-like
XP_002660423.1 cyclic nucleotide-gated channel cone photoreceptor subunit alpha-like
XP_001920424.3 cyclin N-terminal domain-containing protein 1-like, partial
XP_002929751.1 cyclin-C-like
XP_003439614.1 cyclin-dependent kinase 10-like
XP_687417.4 cyclin-dependent kinase 13
XP_004081382.1 cyclin-dependent kinase 13-like
XP_003446245.1 cyclin-dependent kinase 14-like
XP_001335575.1 cyclin-dependent kinase 16 isoform X1
XP_003448260.1 cyclin-dependent kinase 17-like
XP_001919335.2 cyclin-dependent kinase 18-like
XP_855153.1 cyclin-dependent kinase 19
XP_004083665.1 cyclin-dependent kinase 19-like
XP_003199445.1 cyclin-dependent kinase 2-associated protein 1-like isoform X1
XP_003977614.1 cyclin-dependent kinase 2-associated protein 2-like
XP_004065800.1 cyclin-dependent kinase 2-associated protein 2-like isoform 1

XP_003447928.1 cyclin-dependent kinase 4 inhibitor D-like
XP_003442177.1 cyclin-dependent kinase 6-like
XP_003457302.1 cyclin-dependent kinase 6-like isoform 2
XP_698003.2 cyclin-dependent kinase 6-like isoform X2
XP_003225565.1 cyclin-dependent kinase 8-like
XP_004086632.1 cyclin-dependent kinase 9-like
XP_003443975.1 cyclin-dependent kinase inhibitor 1C-like
XP_004075269.1 cyclin-dependent kinase-like 1-like
XP_002700425.1 cyclin-dependent kinase-like 5
XP_003969905.1 cyclin-dependent kinase-like 5-like
XP_003450113.1 cyclin-F-like
XP_536279.4 cyclin-G-associated kinase
XP_001919224.1 cyclin-G-associated kinase-like isoformX2
XP_001337505.3 cyclin-J-like
XP_003224774.1 cyclin-J-like isoform 2
XP_003455327.1 cyclin-O-like
XP_003457914.1 cyclin-related protein FAM58A-like
XP_003457124.1 cyclin-T1-like
XP_004071091.1 cyclin-T1-like, partial
XP_004082042.1 cyclin-T2-like
XP_003450283.1 cyclin-Y isoform 2
XP_002666646.1 cyclin-Y isoform X2
XP_684019.2 cyclin-Y isoformX1
XP_002928950.1 cyclin-Y-like
XP_001375658.2 cystathionine beta-synthase
XP_004081461.1 cystathionine beta-synthase-like
XP_003455405.1 cystathionine gamma-lyase-like
XP_004081113.1 cystatin-B-like
XP_003453706.1 cysteine and glycine-rich protein 2-like isoform 1
XP_003978950.1 cysteine and histidine-rich domain-containing protein 1-like
XP_003971375.1 cysteine and histidine-rich domain-containing protein 1-like isoform 2
XP_003966492.1 cysteine and tyrosine-rich protein 1-like
XP_003974653.1 cysteine dioxygenase type 1-like
XP_003452378.1 cysteine protease ATG4C-like
XP_001333093.2 cysteine protease ATG4D-like
XP_002661113.2 cysteine protease ATG4D-like, partial
XP_001338363.1 cysteine string protein
XP_003446084.1 cysteine string protein-like
XP_001343412.1 cysteine/serine-rich nuclear protein 2
XP_004071026.1 cysteine/serine-rich nuclear protein 2-like
XP_003979199.1 cysteine-rich hydrophobic domain 2 protein-like
XP_003447863.1 cysteine-rich motor neuron 1 protein-like
XP_003458384.1 cysteine-rich protein 2-like
XP_684430.1 cysteine-rich protein 3-like
XP_003453207.1 cysteine-rich secretory protein LCCL domain-containing 1-like
XP_003199065.1 cysteine-rich secretory protein LCCL domain-containing 2-like
XP_003200319.1 cysteine-rich venom protein natrin-1-like
XP_001343215.2 cysteine-rich with EGF-like domain protein 1-like
XP_698238.4 cysteine-rich with EGF-like domain protein 1-like isoform X2
XP_003445095.1 cysteine-rich with EGF-like domain protein 2-like
XP_003223436.1 cysteinyl leukotriene receptor 1-like
XP_003270128.1 cysteinyl leukotriene receptor 2 isoform 1
XP_001343968.1 cysteinyl leukotriene receptor 2-like
XP_003452641.1 cysteinyl-tRNA synthetase, cytoplasmic-like
XP_697137.2 cystine/glutamate transporter-like
XP_003441019.1 cytidine and dCMP deaminase domain-containing protein 1-like
XP_003442717.1 cytochrome b-c1 complex subunit 1, mitochondrial-like
XP_003444123.1 cytochrome b-c1 complex subunit 7-like
XP_003973135.1 cytochrome c oxidase assembly protein COX14 homolog
XP_003416682.1 cytochrome c oxidase assembly protein COX19-like
XP_001333987.2 cytochrome c oxidase subunit 4 isoform 2, mitochondrial
XP_003443919.1 cytochrome c oxidase subunit 5A, mitochondrial-like
XP_004086245.1 cytochrome c oxidase subunit 6C-like
XP_698270.1 cytochrome c oxidase subunit 8B, mitochondrial-like
XP_003448417.1 cytochrome c1, heme protein, mitochondrial-like isoform 1
XP_003457386.1 cytochrome P450 26B1-like
XP_003445774.1 cytochrome P450 27C1-like
XP_003459505.1 cytochrome P450 2F2-like
XP_001923597.2 cytochrome P450 2G1-like
XP_004075267.1 cytochrome P450 2G1-like isoform 2
XP_003439935.1 cytochrome P450 2J2-like
XP_003974028.1 cytochrome P450 2J6-like
XP_004068385.1 cytochrome P450 2J6-like isoform 1
XP_692555.2 cytochrome P450 2K1-like
XP_003452320.1 cytochrome P450 2U1-like
XP_686781.1 cytochrome P450 3A40-like isoform X4
XP_004078318.1 cytochrome P450 4B1-like
XP_003449775.1 cytochrome P450 4V2-like
XP_001923665.2 cytoglobin-2-like

XP_002723824.1 cytohesin 1-like
XP_003964705.1 cytohesin-1-like isoform 2
XP_003438777.1 cytohesin-3-like
XP_003459595.1 cytoplasmic dynein 1 heavy chain 1-like isoform 2
XP_003640733.1 cytoplasmic dynein 1 intermediate chain 1 isoformX2
XP_002918975.1 cytoplasmic dynein 1 intermediate chain 1-like isoform 1
XP_001339287.3 cytoplasmic dynein 1 intermediate chain 1-like, partial
XP_003447365.1 cytoplasmic dynein 1 intermediate chain 2-like
XP_004079219.1 cytoplasmic dynein 1 intermediate chain 2-like isoform 7
XP_003198789.1 cytoplasmic dynein 1 intermediate chain 2-like isoformX2
XP_003444166.1 cytoplasmic dynein 1 light intermediate chain 1-like
XP_003445753.1 cytoplasmic dynein 1 light intermediate chain 2-like
XP_004067106.1 cytoplasmic dynein 1 light intermediate chain 2-like, partial
XP_002664761.2 cytoplasmic dynein 2 heavy chain 1-like
XP_002667189.2 cytoplasmic dynein 2 heavy chain 1-like, partial
XP_002664473.2 cytoplasmic FMR1-interacting protein 2-like
XP_003970541.1 cytoplasmic FMR1-interacting protein 2-like isoform 1
XP_003445874.1 cytoplasmic FMR1-interacting protein 2-like isoform 3
XP_003978250.1 cytoplasmic phosphatidylinositol transfer protein 1-like
XP_692075.5 cytoplasmic phosphatidylinositol transfer protein 1-like, partial
XP_003815347.1 cytoplasmic polyadenylation element-binding protein 1 isoform 1
XP_001498950.3 cytoplasmic polyadenylation element-binding protein 2
XP_002666445.2 cytoplasmic polyadenylation element-binding protein 2 isoform X1
XP_003439828.1 cytoplasmic polyadenylation element-binding protein 2-like
XP_003458034.1 cytoplasmic polyadenylation element-binding protein 3-like
XP_004076184.1 cytoplasmic polyadenylation element-binding protein 4-like isoform 1
XP_004076186.1 cytoplasmic polyadenylation element-binding protein 4-like isoform 3
XP_002666113.2 cytoplasmic polyadenylation element-binding protein 4-like, partial
XP_002666641.1 cytoplasmic protein NCK1 isoform X1
XP_003968065.1 cytoplasmic protein NCK1-like
XP_003963684.1 cytoplasmic tRNA 2-thiolation protein 2-like
XP_003766746.1 cytoplasmic tyrosine-protein kinase BMX
XP_004063890.1 cytoplasmic tyrosine-protein kinase BMX isoform 1
XP_003203125.1 cytoplasmic tyrosine-protein kinase BMX-like
XP_697274.2 cytoskeleton-associated protein 2
XP_003976680.1 cytoskeleton-associated protein 5-like isoform 3
XP_004065994.1 cytosol aminopeptidase-like
XP_003443854.1 cytosolic 5'-nucleotidase 1A-like
XP_707330.1 cytosolic 5'-nucleotidase 1A-like isoform 3
XP_004074454.1 cytosolic 5'-nucleotidase 1A-like, partial
XP_003414519.1 cytosolic 5'-nucleotidase III-like protein-like
XP_003201457.1 cytosolic carboxypeptidase 1-like
XP_003439705.1 cytosolic carboxypeptidase 6
XP_003456415.1 cytosolic Fe-S cluster assembly factor narfl-like isoform 1
XP_003965933.1 cytosolic non-specific dipeptidase-like
XP_002667068.2 cytosolic phospholipase A2 gamma
XP_693755.4 cytosolic phospholipase A2 zeta-like
XP_003445168.1 cytosolic phospholipase A2-like
XP_003453876.1 cytosolic purine 5'-nucleotidase-like
XP_003438893.1 cytosolic sulfotransferase 2-like
XP_003438894.1 cytosolic sulfotransferase 3-like
XP_692458.2 cytospin-A-like
XP_690827.4 cytospin-B isoform X4
XP_001343707.3 cytotoxic T-lymphocyte protein 4
XP_001332201.1 D(1) dopamine receptor-like
XP_003442741.1 D(1B) dopamine receptor-like
XP_003443512.1 D(2) dopamine receptor A-like isoform 2
XP_003449259.1 D(3) dopamine receptor-like
XP_003448866.1 D(4) dopamine receptor-like
XP_692025.3 D(5)-like dopamine receptor-like
XP_004082261.1 d-2-hydroxyglutarate dehydrogenase, mitochondrial-like
XP_003961897.1 d-3-phosphoglycerate dehydrogenase-like
XP_003961661.1 dachshund homolog 1-like
XP_001340996.1 dapper homolog 3-like
XP_002189812.1 DBH-like monooxygenase protein 1
XP_003204255.1 DBH-like monooxygenase protein 1-like
XP_003971773.1 DBH-like monooxygenase protein 2 homolog
XP_002725199.1 DCC-interacting protein 13-alpha-like
XP_001496862.2 DCN1-like protein 1-like
XP_003445827.1 DCN1-like protein 2-like
XP_683798.2 DC-STAMP domain-containing protein 1
XP_684152.4 DC-STAMP domain-containing protein 2
XP_004078587.1 DC-STAMP domain-containing protein 2-like
XP_003972515.1 dCTP pyrophosphatase 1-like
XP_682800.2 DDB1- and CUL4-associated factor 15
XP_004082157.1 DDB1- and CUL4-associated factor 5-like
XP_003225702.1 DDB1- and CUL4-associated factor 5-like, partial
XP_003452967.1 DDB1- and CUL4-associated factor 6-like
XP_003448570.1 DDB1- and CUL4-associated factor 8-like

XP_003456596.1 D-dopachrome decarboxylase-like
XP_003449417.1 death domain-containing protein 1-like
XP_003979667.1 death effector domain-containing protein-like
XP_683154.4 death-associated protein kinase 2 isoform X2
XP_003212080.1 death-inducer obliterator 1-like
XP_003439329.1 decaprenyl-diphosphate synthase subunit 1-like
XP_003445490.1 decaprenyl-diphosphate synthase subunit 2-like
XP_001341048.4 dedicator of cytokinesis protein 10-like
XP_003450394.1 dedicator of cytokinesis protein 11
XP_003966834.1 dedicator of cytokinesis protein 11-like
XP_003441820.1 dedicator of cytokinesis protein 1-like
XP_002664309.2 dedicator of cytokinesis protein 2
XP_002664298.2 dedicator of cytokinesis protein 2, partial
XP_003444731.1 dedicator of cytokinesis protein 2-like
XP_004070812.1 dedicator of cytokinesis protein 3-like
XP_002919031.1 dedicator of cytokinesis protein 3-like, partial
XP_694475.4 dedicator of cytokinesis protein 4-like
XP_002661310.1 dedicator of cytokinesis protein 7
XP_003220185.1 dedicator of cytokinesis protein 7-like
XP_004068072.1 dedicator of cytokinesis protein 7-like isoform 1
XP_003974422.1 dedicator of cytokinesis protein 7-like isoform 3
XP_004068075.1 dedicator of cytokinesis protein 7-like isoform 4
XP_004068076.1 dedicator of cytokinesis protein 7-like isoform 5
XP_003974902.1 dedicator of cytokinesis protein 8-like
XP_001090732.2 dedicator of cytokinesis protein 9
XP_003447410.1 dedicator of cytokinesis protein 9-like
XP_002715769.1 defects in morphology 1 homolog
XP_003456202.1 dehydrogenase/reductase SDR family member 11-like
XP_003456991.1 dehydrogenase/reductase SDR family member 12-like
XP_003458484.1 dehydrogenase/reductase SDR family member 13-like
XP_003199882.1 dehydrogenase/reductase SDR family member 13-like isoform 2
XP_003459265.1 dehydrogenase/reductase SDR family member 4-like
XP_003453086.1 dehydrogenase/reductase SDR family member 7-like
XP_002920861.1 dehydrogenase/reductase SDR family member on chromosome X-like
XP_003968088.1 deleted in autism protein 1 homolog
XP_697696.2 deleted in autism-related protein 1 homolog
XP_003455016.1 deleted in bladder cancer protein 1 homolog
XP_683226.3 deleted in lung and esophageal cancer protein 1-like
XP_003228360.1 deleted in malignant brain tumors 1 protein-like
XP_003587967.1 deleted in malignant brain tumors 1 protein-like, partial
XP_003438603.1 delphinin-like
XP_002665457.2 delta and Notch-like epidermal growth factor-related receptor-like
XP_004067663.1 delta(24)-sterol reductase-like
XP_003457744.1 delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial-like
XP_002913417.1 delta-type opioid receptor-like
XP_003455541.1 dematin-like
XP_004077743.1 dendritic cell-specific transmembrane protein-like
XP_689212.5 DENN domain-containing protein 1A
XP_683977.2 DENN domain-containing protein 1A isoform X4
XP_003455691.1 DENN domain-containing protein 1A-like
XP_001377211.2 DENN domain-containing protein 1B
XP_003450068.1 DENN domain-containing protein 1C-like
XP_001920375.3 DENN domain-containing protein 2A
XP_003443877.1 DENN domain-containing protein 2A-like
XP_003212995.1 DENN domain-containing protein 2C-like
XP_003454312.1 DENN domain-containing protein 2D-like
XP_001338419.3 DENN domain-containing protein 3
XP_003450966.1 DENN domain-containing protein 3-like
XP_002665116.2 DENN domain-containing protein 4B
XP_003457643.1 DENN domain-containing protein 4B-like
XP_003452431.1 DENN domain-containing protein 4C-like
XP_003442426.1 DENN domain-containing protein 5A
XP_001340162.4 DENN domain-containing protein 5A isoform X1
XP_004067055.1 DENN domain-containing protein 5A-like isoform 3
XP_003449809.1 DENN domain-containing protein 5B-like
XP_003452920.1 dentin matrix protein 4-like
XP_685616.1 dentin sialophosphoprotein isoform 1
XP_003201798.1 dentin sialophosphoprotein-like
XP_001370213.1 deoxycytidylate deaminase-like
XP_003451684.1 deoxyguanosine kinase, mitochondrial-like
XP_002661151.2 deoxyhypusine synthase-like isoform X1
XP_003411626.1 deoxynucleotidyltransferase terminal-interacting protein 1-like
XP_003443097.1 deoxyribonuclease-2-alpha-like
XP_003452587.1 deoxyribonuclease-2-beta-like
XP_004067019.1 deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial-like
XP_004073774.1 DEP domain-containing mTOR-interacting protein-like
XP_003443687.1 DEP domain-containing protein 1B-like
XP_003459226.1 DEP domain-containing protein 5
XP_004083224.1 DEP domain-containing protein 7-like

XP_003439537.1 derlin-2-like
 XP_696502.2 dermatan sulfate epimerase-like
 XP_003453027.1 dermatan-sulfate epimerase
 XP_003977355.1 dermatan-sulfate epimerase-like
 XP_003439193.1 dermatan-sulfate epimerase-like protein-like
 XP_004068350.1 dermatopontin-like
 XP_688578.4 desmocollin-2 isoform 2
 XP_003200735.1 desmoglein-2-like
 XP_003197864.1 desmoglein-4-like
 XP_003437938.1 desmoplakin
 XP_001919901.3 desmoplakin isoform X1
 XP_002665846.2 desmoplakin, partial
 XP_003457355.1 desmoplakin-like
 XP_003199796.1 desumoylating isopeptidase 2-like isoform X1
 XP_003454968.1 developmentally-regulated GTP-binding protein 2
 XP_003964497.1 developmentally-regulated GTP-binding protein 2-like
 XP_001345197.2 dexamethasone-induced Ras-related protein 1
 XP_004071469.1 dexamethasone-induced Ras-related protein 1-like
 XP_003456789.1 D-glucuronyl C5-epimerase-like
 XP_004070932.1 diacylglycerol kinase alpha-like
 XP_003456330.1 diacylglycerol kinase beta
 XP_003218486.1 diacylglycerol kinase delta-like
 XP_003448059.1 diacylglycerol kinase epsilon
 XP_003976519.1 diacylglycerol kinase epsilon-like
 XP_003449640.1 diacylglycerol kinase eta
 XP_002196192.1 diacylglycerol kinase eta, partial
 XP_004081675.1 diacylglycerol kinase eta-like
 XP_003448149.1 diacylglycerol kinase iota
 XP_004083325.1 diacylglycerol kinase iota-like
 XP_003447693.1 diacylglycerol kinase theta-like
 XP_003201445.1 diacylglycerol kinase zeta-like isoform X1
 XP_004078157.1 diacylglycerol O-acyltransferase 1-like
 XP_003456892.1 diamine acetyltransferase 2-like
 XP_002710312.1 diaphanous 1 isoform 2
 XP_001339741.2 dickkopf-related protein 1
 XP_004065967.1 dickkopf-related protein 2-like
 XP_003767224.1 diencephalon/mesencephalon homeobox protein 1
 XP_003462530.1 diencephalon/mesencephalon homeobox protein 1 isoform 1
 XP_003445178.1 diencephalon/mesencephalon homeobox protein 1-like
 XP_003439797.1 digestive cysteine proteinase 2-like
 XP_003962497.1 dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial-like
 XP_004070745.1 dihydropyridine-sensitive L-type skeletal muscle calcium channel subunit alpha-1-like
 XP_003453555.1 dihydropyrimidinase-like
 XP_003199094.1 dihydropyrimidinase-related protein 2-like
 XP_003449528.1 dihydropyrimidinase-related protein 4-like
 XP_002665694.2 dihydroxyacetone phosphate acyltransferase
 XP_003200810.1 dihydroxyacetone phosphate acyltransferase-like
 XP_003446263.1 dimethyladenosine transferase 1, mitochondrial-like
 XP_003454543.1 dimethyladenosine transferase 2, mitochondrial-like
 XP_003439780.1 dimethylaniline monooxygenase
 XP_003458628.1 dimethylglycine dehydrogenase, mitochondrial
 XP_004074695.1 dimethylglycine dehydrogenase, mitochondrial-like
 XP_001345654.4 dipeptidyl aminopeptidase-like protein 6-like
 XP_003968230.1 dipeptidyl aminopeptidase-like protein 6-like, partial
 XP_003440167.1 diphthamide biosynthesis protein 1-like
 XP_002810596.1 diphthine synthase isoform 2
 XP_002708329.1 Di-Ras2-like
 XP_003453395.1 DIS3-like exonuclease 2-like
 XP_003974006.1 disabled homolog 1-like
 XP_001512503.2 disabled homolog 2-interacting protein
 XP_003211399.1 disabled homolog 2-interacting protein-like
 XP_004074712.1 disabled homolog 2-like
 XP_693702.4 discoidin domain-containing receptor 2
 XP_003439748.1 discoidin domain-containing receptor 2-like
 XP_001920681.3 discoidin, CUB and LCCL domain-containing protein 1-like
 XP_003961857.1 discoidin, CUB and LCCL domain-containing protein 2-like
 XP_003447488.1 disco-interacting protein 2 homolog A
 XP_004063001.1 disco-interacting protein 2 homolog A-like
 XP_003441365.1 disco-interacting protein 2 homolog B-A-like
 XP_001919743.1 disco-interacting protein 2 homolog C
 XP_003221983.1 disco-interacting protein 2 homolog C-like
 XP_003207019.1 disco-interacting protein 2 homolog C-like, partial
 XP_004082721.1 disheveled-associated activator of morphogenesis 1-like
 XP_003340405.1 disheveled-associated activator of morphogenesis 2
 XP_689465.5 disintegrin and metalloproteinase domain-containing protein 10, partial
 XP_003418443.1 disintegrin and metalloproteinase domain-containing protein 10-like
 XP_691731.5 disintegrin and metalloproteinase domain-containing protein 12
 XP_001335318.3 disintegrin and metalloproteinase domain-containing protein 12-like
 XP_689147.2 disintegrin and metalloproteinase domain-containing protein 17

XP_003453323.1 disintegrin and metalloproteinase domain-containing protein 17-like
 XP_699915.5 disintegrin and metalloproteinase domain-containing protein 19
 XP_004080151.1 disintegrin and metalloproteinase domain-containing protein 19-like
 XP_002665027.2 disintegrin and metalloproteinase domain-containing protein 22
 XP_004078177.1 disintegrin and metalloproteinase domain-containing protein 22-like
 XP_003447415.1 disintegrin and metalloproteinase domain-containing protein 23
 XP_001923262.2 disintegrin and metalloproteinase domain-containing protein 23 isoform X1
 XP_003223597.1 disintegrin and metalloproteinase domain-containing protein 23-like
 XP_004072938.1 disintegrin and metalloproteinase domain-containing protein 28-like
 XP_004080736.1 disintegrin and metalloproteinase domain-containing protein 8-like
 XP_004072878.1 disintegrin and metalloproteinase domain-containing protein 9-like
 XP_003766436.1 disks large homolog 1 isoform 3
 XP_003926244.1 disks large homolog 1 isoform 6
 XP_003197865.1 disks large homolog 1-like
 XP_003458981.1 disks large homolog 1-like isoform 2
 XP_003458982.1 disks large homolog 1-like isoform 3
 XP_003458983.1 disks large homolog 1-like isoform 4
 XP_003219410.1 disks large homolog 2-like
 XP_003445216.1 disks large homolog 3
 XP_003199970.1 disks large homolog 3 isoform X1
 XP_004073170.1 disks large homolog 3-like isoform 1
 XP_004073171.1 disks large homolog 3-like isoform 2
 XP_003446826.1 disks large homolog 4-like
 XP_004077406.1 disks large homolog 5-like
 XP_700045.5 disks large-associated protein 1-like
 XP_001336517.2 disks large-associated protein 2
 XP_685805.4 disks large-associated protein 2-like
 XP_691209.5 disks large-associated protein 4, partial
 XP_004069336.1 disks large-associated protein 4-like
 XP_001920333.3 disks large-associated protein 4-like, partial
 XP_001919823.2 dixin
 XP_004016067.1 dixin isoform 1
 XP_003455109.1 dixin-A-like
 XP_003974815.1 dmX-like protein 1-like
 XP_003225941.1 dmX-like protein 2-like
 XP_003200528.1 dmX-like protein 2-like, partial
 XP_003200811.1 DNA (cytosine-5)-methyltransferase 3A-like
 XP_004066741.1 DNA annealing helicase and endonuclease ZRANB3-like
 XP_003450839.1 DNA damage-binding protein 1-like
 XP_003441848.1 DNA damage-inducible transcript 4 protein-like
 XP_003445382.1 DNA excision repair protein ERCC-1-like
 XP_003441150.1 DNA excision repair protein ERCC-6
 XP_688972.2 DNA excision repair protein ERCC-6 isoform X2
 XP_003446116.1 DNA excision repair protein ERCC-8-like
 XP_004070707.1 DNA fragmentation factor subunit alpha-like
 XP_003455391.1 DNA fragmentation factor subunit beta-like
 XP_416077.3 DNA helicase B isoform X2
 XP_003440830.1 DNA helicase INO80
 XP_002665161.2 DNA helicase MCM8-like isoform X1
 XP_689089.2 DNA ligase 1-like
 XP_003439952.1 DNA methyltransferase 1-associated protein 1 isoform 1
 XP_003207334.1 DNA mismatch repair protein Mlh1-like
 XP_696739.3 DNA mismatch repair protein Mlh3
 XP_003453182.1 DNA mismatch repair protein Mlh3-like
 XP_001516305.2 DNA mismatch repair protein Msh2-like, partial
 XP_003458026.1 DNA nucleotidylexotransferase-like
 XP_003443630.1 DNA polymerase alpha catalytic subunit-like
 XP_003444643.1 DNA polymerase alpha subunit B isoform 2
 XP_004072215.1 DNA polymerase beta-like
 XP_003454020.1 DNA polymerase delta catalytic subunit-like
 XP_003459591.1 DNA polymerase epsilon subunit 2-like
 XP_003438408.1 DNA polymerase eta
 XP_691219.4 DNA polymerase kappa isoform X3
 XP_003975183.1 DNA polymerase kappa-like
 XP_686065.4 DNA polymerase sigma
 XP_003969058.1 DNA polymerase sigma-like
 XP_003227099.1 DNA polymerase subunit gamma-1-like
 XP_003448017.1 DNA polymerase subunit gamma-2, mitochondrial-like
 XP_694437.5 DNA polymerase theta
 XP_002665692.2 DNA polymerase zeta catalytic subunit
 XP_003453064.1 DNA polymerase zeta catalytic subunit-like
 XP_003448873.1 DNA repair and recombination protein RAD54
 XP_688979.3 DNA repair and recombination protein RAD54B
 XP_004080174.1 DNA repair endonuclease XPF-like
 XP_003972623.1 DNA repair protein complementing XP-A cells homolog
 XP_003445820.1 DNA repair protein complementing XP-G cells homolog
 XP_696859.4 DNA repair protein RAD50 isoform X3
 XP_685091.2 DNA repair protein XRCC2 isoform X1
 XP_695164.3 DNA replication factor Cdt1 isoform X2

XP_003440760.1 DNA replication licensing factor MCM3-like
 XP_003438153.1 DNA replication licensing factor mcm4-B-like
 XP_004073638.1 DNA replication licensing factor mcm5-like
 XP_683173.1 DNA replication licensing factor MCM9 isoform 1
 XP_003204297.1 DNA replication licensing factor MCM9-like
 XP_002665372.2 DNA topoisomerase 1 isoform X1
 XP_003447145.1 DNA topoisomerase 1-like
 XP_003455293.1 DNA topoisomerase 2-beta-like
 XP_688695.4 DNA topoisomerase 3-alpha
 XP_003198651.1 DNA topoisomerase 3-beta-1
 XP_003439180.1 DNA-(apurinic or apyrimidinic site) lyase 2-like
 XP_686479.1 DNA-(apurinic or apyrimidinic site) lyase-like
 XP_003972738.1 DNA/RNA-binding protein KIN17-like
 XP_003442243.1 DNA-3-methyladenine glycosylase-like
 XP_003445103.1 DNA-binding protein RFX2-like
 XP_684953.3 DNA-binding protein RFX6
 XP_003456753.1 DNA-binding protein RFX6-like
 XP_003201650.1 DNA-binding protein RFX7-like
 XP_001920758.3 DNA-binding protein SATB1-like
 XP_003961743.1 DNA-binding protein SATB2-like
 XP_002720811.1 DNA-directed DNA polymerase beta
 XP_003965471.1 DNA-directed DNA/RNA polymerase mu-like
 XP_001922839.2 DNA-directed RNA polymerase I subunit RPA1
 XP_003206072.1 DNA-directed RNA polymerase I subunit RPA1-like
 XP_003978341.1 DNA-directed RNA polymerase I subunit RPA2-like
 XP_001332164.1 DNA-directed RNA polymerase I subunit RPA43-like isoform X1
 XP_001343204.1 DNA-directed RNA polymerase II subunit GRINL1A-like
 XP_003966962.1 DNA-directed RNA polymerase II subunit RPB1-like, partial
 XP_004069860.1 DNA-directed RNA polymerase II subunit RPB3-like
 XP_001362540.2 DNA-directed RNA polymerase II subunit RPB7-like
 XP_004080458.1 DNA-directed RNA polymerase III subunit RPC1-like
 XP_690811.2 DNA-directed RNA polymerase III subunit RPC2 isoform 2
 XP_004070128.1 DNA-directed RNA polymerase III subunit RPC2-like
 XP_003443166.1 DNA-directed RNA polymerase III subunit RPC8-like
 XP_685138.4 DNA-directed RNA polymerase, mitochondrial
 XP_003439718.1 DNA-directed RNA polymerase, mitochondrial-like
 XP_003813812.1 DNA-directed RNA polymerases I, II, and III subunit RPABC1
 XP_004071844.1 DNA-directed RNA polymerases I, II, and III subunit RPABC2-like
 XP_003256616.1 DNA-directed RNA polymerases I, II, and III subunit RPABC3 isoform 1
 XP_003437760.1 dnaJ homolog subfamily A member 2-like
 XP_004071710.1 dnaJ homolog subfamily A member 3, mitochondrial-like
 XP_004069682.1 dnaJ homolog subfamily A member 4-like
 XP_003439273.1 dnaJ homolog subfamily B member 6-like
 XP_002667092.2 dnaJ homolog subfamily C member 11-like
 XP_004081205.1 dnaJ homolog subfamily C member 13-like isoform 2
 XP_003441404.1 dnaJ homolog subfamily C member 14-like
 XP_002663742.2 dnaJ homolog subfamily C member 16
 XP_688223.3 dnaJ homolog subfamily C member 16-like
 XP_004082400.1 dnaJ homolog subfamily C member 17-like
 XP_003451544.1 dnaJ homolog subfamily C member 21-like
 XP_001335380.1 dnaJ homolog subfamily C member 22
 XP_004070498.1 dnaJ homolog subfamily C member 22-like
 XP_003978958.1 dnaJ homolog subfamily C member 25-like
 XP_003458720.1 dnaJ homolog subfamily C member 2-like
 XP_003447336.1 dnaJ homolog subfamily C member 3
 XP_004081825.1 dnaJ homolog subfamily C member 3-like
 XP_700383.1 dnaJ homolog subfamily C member 5
 XP_003438968.1 dnaJ homolog subfamily C member 5-like
 XP_003198135.1 dnaJ homolog subfamily C member 7-like
 XP_004071336.1 dnaJ homolog subfamily C member 7-like isoform 2
 XP_002811229.2 dnaJ homolog subfamily C member 8
 XP_003969328.1 dnaJ homolog subfamily C member 8-like
 XP_002664535.1 docking protein 3-like
 XP_697365.2 docking protein 4-like
 XP_003452534.1 dolichol-phosphate mannosyltransferase subunit 3-like
 XP_003339761.1 dolichol-phosphate mannosyltransferase-like isoform 2
 XP_003452377.1 dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glucosyltransferase-like
 XP_003962989.1 dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit-like
 XP_003212703.1 dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A-like
 XP_003207249.1 dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B-like
 XP_003458314.1 dolichyl-phosphate beta-glucosyltransferase-like
 XP_003422895.1 dol-P-Man:Man(7)GlcNAc(2)-PP-Dol alpha-1,6-mannosyltransferase
 XP_003200244.1 DOMON domain-containing protein FRRS1L-like
 XP_004074879.1 dopamine beta-hydroxylase-like
 XP_003441149.1 dorsal root ganglia homeobox protein-like
 XP_004065997.1 dorsal-ventral patterning tolloid-like protein 1-like
 XP_003198125.1 double C2-like domain-containing protein alpha-like
 XP_003211857.1 double C2-like domain-containing protein beta-like
 XP_003453296.1 doublecortin domain-containing protein 2-like

XP_003256187.1 double-strand-break repair protein rad21 homolog
XP_003448452.1 double-stranded RNA-binding protein Staufen homolog 1-like
XP_003443618.1 double-stranded RNA-binding protein Staufen homolog 2-like
XP_003443286.1 double-stranded RNA-specific endonuclease 1-like
XP_686426.4 double-stranded RNA-specific endonuclease B2
XP_003200058.1 Down syndrome cell adhesion molecule
XP_001920060.2 Down syndrome cell adhesion molecule-like 1 isoform X1
XP_004076131.1 Down syndrome cell adhesion molecule-like
XP_003450893.1 Down syndrome cell adhesion molecule-like protein 1-like
XP_003456126.1 drebrin-like protein-like
XP_003200847.1 DTW domain-containing protein 2-like, partial
XP_697567.3 dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A
XP_003501077.1 dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A-like
XP_001919394.3 dual oxidase 1, partial
XP_004069995.1 dual oxidase 1-like
XP_002937935.1 dual oxidase 2
XP_003209351.1 dual oxidase 2-like
XP_003444004.1 dual oxidase maturation factor 2-like
XP_003441482.1 dual serine/threonine and tyrosine protein kinase-like isoform 1
XP_004069665.1 dual specificity mitogen-activated protein kinase kinase 1-like
XP_003442637.1 dual specificity mitogen-activated protein kinase kinase 4-like isoform 2
XP_002928980.1 dual specificity mitogen-activated protein kinase kinase 4-like, partial
XP_003447952.1 dual specificity mitogen-activated protein kinase kinase 7-like
XP_001344320.3 dual specificity phosphatase 28-like isoform X1
XP_003452484.1 dual specificity protein kinase CLK2-like
XP_003455227.1 dual specificity protein kinase CLK4-like
XP_003453539.1 dual specificity protein kinase Ttk-like
XP_003200822.1 dual specificity protein phosphatase 10
XP_003441868.1 dual specificity protein phosphatase 13 isoform MDSP-like
XP_003441958.1 dual specificity protein phosphatase 13-like
XP_001919137.1 dual specificity protein phosphatase 14-like
XP_003448850.1 dual specificity protein phosphatase 16
XP_686342.1 dual specificity protein phosphatase 16-like
XP_003445921.1 dual specificity protein phosphatase 1-like
XP_003445651.1 dual specificity protein phosphatase 26-like
XP_001340818.2 dual specificity protein phosphatase 3-like
XP_003971988.1 dual specificity protein phosphatase 5-like
XP_004086284.1 dual specificity protein phosphatase 6-like
XP_002665347.2 dual specificity protein phosphatase 8-like
XP_003448886.1 dual specificity protein phosphatase CDC14A-like
XP_003223193.1 dual specificity protein phosphatase isoform MDSP-like
XP_003459044.1 dual specificity testis-specific protein kinase 1-like
XP_693389.3 dual specificity tyrosine-phosphorylation-regulated kinase 4 isoform X4
XP_001252849.1 duodenase-1-like
XP_003451549.1 dymeclin-like
XP_701125.5 dymeclin-like, partial
XP_003228142.1 dynactin subunit 1-like
XP_003451875.1 dynactin subunit 2-like isoform 1
XP_003451876.1 dynactin subunit 2-like isoform 2
XP_004068734.1 dynactin subunit 2-like isoform 5
XP_003130520.2 dynactin subunit 5-like
XP_520720.3 dynamin 1-like
XP_003228999.1 dynamin-1-like
XP_003450747.1 dynamin-1-like protein-like isoform 1
XP_003450748.1 dynamin-1-like protein-like isoform 2
XP_001363298.1 dynamin-2 isoform 4
XP_003450018.1 dynamin-2-like
XP_003442150.1 dynamin-2-like isoform 2
XP_003442152.1 dynamin-2-like isoform 4
XP_001921555.2 dynamin-binding protein-like
XP_003201392.1 dynein assembly factor 3, axonemal-like
XP_698507.4 dynein heavy chain 10, axonemal
XP_002664906.1 dynein heavy chain 11, axonemal-like
XP_001920125.2 dynein heavy chain 11, axonemal-like, partial
XP_003762377.1 dynein heavy chain 12, axonemal
XP_002758519.2 dynein heavy chain 12, axonemal, partial
XP_003438920.1 dynein heavy chain 12, axonemal-like
XP_003785647.1 dynein heavy chain 12, axonemal-like, partial
XP_003583685.1 dynein heavy chain 17, axonemal-like
XP_001369308.1 dynein heavy chain 2, axonemal-like
XP_226891.5 dynein heavy chain 5, axonemal, partial
XP_003219855.1 dynein heavy chain 5, axonemal-like
XP_003200184.1 dynein heavy chain 5, axonemal-like, partial
XP_001069941.2 dynein heavy chain 6, axonemal
XP_004070806.1 dynein heavy chain 7, axonemal-like
XP_003583902.1 dynein heavy chain 8, axonemal-like
XP_003215966.1 dynein heavy chain 8, axonemal-like, partial
XP_003438540.1 dynein heavy chain 9, axonemal
XP_003199595.1 dynein heavy chain 9, axonemal, partial

XP_003978902.1 dynein heavy chain 9, axonemal-like
XP_002736613.1 dynein heavy chain at 36C-like
XP_003199498.1 dynein heavy chain domain-containing protein 1-like
XP_003217146.1 dynein intermediate chain 2, axonemal-like
XP_003931391.1 dynein light chain 2, cytoplasmic
XP_003769630.1 dynein light chain Tetex-type 1
XP_001333503.2 dysbindin domain-containing protein 1-like isoform X1
XP_003444224.1 dysbindin-like
XP_001336048.1 dysbindin-like isoform X1
XP_003448051.1 dysferlin-interacting protein 1-like
XP_001334630.4 dyslexia-associated protein KIAA0319-like
XP_003447281.1 dyslexia-associated protein KIAA0319-like protein-like
XP_002664120.2 dystonin
XP_001521152.1 dystonin, partial
XP_003441176.1 dystonin-like
XP_003404464.1 dystonin-like isoform 2
XP_003438916.1 dystroglycan-like
XP_003459203.1 dystrophin-like
XP_003199998.1 dystrophin-related protein 2-like
XP_003445689.1 E1A-binding protein p400-like
XP_001105690.2 e1A-binding protein p400-like isoform 2
XP_004065687.1 E3 SUMO-protein ligase CBX4-like
XP_688159.2 E3 SUMO-protein ligase PIAS1 isoformX1
XP_004067009.1 E3 SUMO-protein ligase PIAS1-like
XP_685704.3 E3 SUMO-protein ligase PIAS2 isoformX1
XP_004067753.1 E3 SUMO-protein ligase PIAS4-like
XP_003445419.1 E3 SUMO-protein ligase RanBP2
XP_002663326.2 E3 SUMO-protein ligase RanBP2 isoform X1
XP_004081883.1 E3 SUMO-protein ligase RanBP2-like
XP_003223268.1 e3 ubiquitin/ISG15 ligase TRIM25-like
XP_003987026.1 E3 ubiquitin-protein ligase ARIH1
XP_003967496.1 E3 ubiquitin-protein ligase arih1-like
XP_003442403.1 E3 ubiquitin-protein ligase Arkadia
XP_001503404.1 e3 ubiquitin-protein ligase CBL-B isoform 1
XP_003460168.1 E3 ubiquitin-protein ligase CBL-B-like, partial
XP_004075729.1 E3 ubiquitin-protein ligase CBL-like
XP_004079877.1 E3 ubiquitin-protein ligase CCNB1IP1-like
XP_003421314.1 E3 ubiquitin-protein ligase CHFR isoform 1
XP_002663728.1 e3 ubiquitin-protein ligase DTX3L
XP_002660570.1 E3 ubiquitin-protein ligase DTX4
XP_004065705.1 E3 ubiquitin-protein ligase DTX4-like
XP_003965958.1 E3 ubiquitin-protein ligase E3D-like
XP_002757784.1 E3 ubiquitin-protein ligase FANCL
XP_003449790.1 E3 ubiquitin-protein ligase Hakai-like
XP_001923094.2 E3 ubiquitin-protein ligase Hakai-like isoform X1
XP_003128098.2 E3 ubiquitin-protein ligase HECTD3
XP_003448547.1 E3 ubiquitin-protein ligase HECTD3-like
XP_003268871.1 E3 ubiquitin-protein ligase HECW1 isoform 1
XP_002666624.2 e3 ubiquitin-protein ligase HECW1-like
XP_003763153.1 E3 ubiquitin-protein ligase HECW1-like, partial
XP_003458422.1 E3 ubiquitin-protein ligase HECW2-like
XP_003451425.1 E3 ubiquitin-protein ligase HERC2
XP_004068433.1 E3 ubiquitin-protein ligase HERC2-like
XP_003448280.1 E3 ubiquitin-protein ligase HUWE1
XP_001923900.1 e3 ubiquitin-protein ligase HUWE1 isoform 2
XP_004070744.1 E3 ubiquitin-protein ligase HUWE1-like
XP_002667578.2 E3 ubiquitin-protein ligase Itchy
XP_003273589.1 E3 ubiquitin-protein ligase Itchy homolog isoform 1
XP_003201702.1 e3 ubiquitin-protein ligase Itchy-like
XP_002665768.2 e3 ubiquitin-protein ligase KEG
XP_001340400.3 E3 ubiquitin-protein ligase listerin
XP_003202936.1 e3 ubiquitin-protein ligase listerin-like
XP_003978791.1 E3 ubiquitin-protein ligase LRSAM1-like
XP_003213209.1 e3 ubiquitin-protein ligase MARCH2-like isoform 1
XP_002916158.1 e3 ubiquitin-protein ligase MARCH5-like
XP_003466765.1 E3 ubiquitin-protein ligase MARCH6
XP_003930050.1 E3 ubiquitin-protein ligase MARCH8 isoform 2
XP_001339845.1 E3 ubiquitin-protein ligase MARCH9
XP_001364464.2 e3 ubiquitin-protein ligase MARCH9-like
XP_002912715.1 e3 ubiquitin-protein ligase MIB1-like
XP_003438127.1 E3 ubiquitin-protein ligase mib1-like isoform 1
XP_003438128.1 E3 ubiquitin-protein ligase mib1-like isoform 2
XP_003438129.1 E3 ubiquitin-protein ligase mib1-like isoform 3
XP_003455373.1 E3 ubiquitin-protein ligase MIB2-like
XP_413791.3 E3 ubiquitin-protein ligase NEDD4 isoform X3
XP_003442395.1 E3 ubiquitin-protein ligase NEDD4-like
XP_003445922.1 E3 ubiquitin-protein ligase NEURL1B-like
XP_003452672.1 E3 ubiquitin-protein ligase NEURL3-like
XP_003966229.1 E3 ubiquitin-protein ligase NHLRC1-like

XP_001364450.1 e3 ubiquitin-protein ligase PDZRN3
XP_003442824.1 E3 ubiquitin-protein ligase PDZRN3 isoform 2
XP_003973780.1 E3 ubiquitin-protein ligase PDZRN3-like
XP_001153695.2 E3 ubiquitin-protein ligase pellino homolog 1
XP_003459797.1 E3 ubiquitin-protein ligase pellino homolog 1-like
XP_003440703.1 E3 ubiquitin-protein ligase pellino homolog 2-like
XP_003453204.1 E3 ubiquitin-protein ligase RFW2
XP_003893660.1 E3 ubiquitin-protein ligase RFW2 isoform 2
XP_002667008.1 E3 ubiquitin-protein ligase RFW3-like
XP_003200594.1 E3 ubiquitin-protein ligase RNF115
XP_003450946.1 E3 ubiquitin-protein ligase RNF115-like
XP_003457758.1 E3 ubiquitin-protein ligase RNF123
XP_004069064.1 E3 ubiquitin-protein ligase RNF123-like
XP_004066953.1 E3 ubiquitin-protein ligase RNF128-like
XP_003199900.1 E3 ubiquitin-protein ligase RNF128-like isoform X1
XP_686027.3 e3 ubiquitin-protein ligase RNF12-A-like isoform 1
XP_003199987.1 e3 ubiquitin-protein ligase RNF130-like
XP_004073937.1 E3 ubiquitin-protein ligase RNF139-like
XP_003756694.1 E3 ubiquitin-protein ligase RNF14
XP_004077756.1 E3 ubiquitin-protein ligase RNF144B-like
XP_003440812.1 E3 ubiquitin-protein ligase RNF146-like
XP_002662262.2 e3 ubiquitin-protein ligase RNF167-like
XP_001337479.1 e3 ubiquitin-protein ligase RNF182-like
XP_001922643.1 E3 ubiquitin-protein ligase RNF182-like isoform 1
XP_003455665.1 E3 ubiquitin-protein ligase RNF19A-like
XP_686250.4 E3 ubiquitin-protein ligase RNF19A-like isoform X2
XP_696570.3 E3 ubiquitin-protein ligase RNF19B isoform X2
XP_004080804.1 E3 ubiquitin-protein ligase RNF213-like
XP_687871.3 E3 ubiquitin-protein ligase RNF216
XP_004071978.1 E3 ubiquitin-protein ligase RNF216-like
XP_003456221.1 E3 ubiquitin-protein ligase RNF220
XP_003442520.1 E3 ubiquitin-protein ligase RNF25-like
XP_004078762.1 E3 ubiquitin-protein ligase RNF31-like
XP_004076744.1 E3 ubiquitin-protein ligase RNF43-like
XP_003439821.1 E3 ubiquitin-protein ligase SH3RF1-like
XP_003200358.1 E3 ubiquitin-protein ligase SHPRH
XP_003459581.1 E3 ubiquitin-protein ligase Siah2-like
XP_003913352.1 E3 ubiquitin-protein ligase SMURF2, partial
XP_003211583.1 e3 ubiquitin-protein ligase SMURF2-like
XP_003964381.1 E3 ubiquitin-protein ligase SMURF2-like isoform 2
XP_003451833.1 E3 ubiquitin-protein ligase synoviolin-like
XP_003201680.1 E3 ubiquitin-protein ligase Topors
XP_004071899.1 E3 ubiquitin-protein ligase TRAF7-like
XP_691507.2 E3 ubiquitin-protein ligase TRIM21
XP_003459643.1 E3 ubiquitin-protein ligase TRIM21-like
XP_002662297.1 E3 ubiquitin-protein ligase TRIM21-like isoform X1
XP_003455173.1 E3 ubiquitin-protein ligase TRIM23-like
XP_683951.5 e3 ubiquitin-protein ligase TRIM33-like
XP_004070295.1 E3 ubiquitin-protein ligase TRIM33-like, partial
XP_003446111.1 E3 ubiquitin-protein ligase TRIM36
XP_003974887.1 E3 ubiquitin-protein ligase TRIM36-like
XP_003199407.1 e3 ubiquitin-protein ligase TRIM37
XP_003201305.1 E3 ubiquitin-protein ligase TRIM39
XP_001337843.1 E3 ubiquitin-protein ligase TRIM39-like
XP_003198959.1 E3 ubiquitin-protein ligase TRIM39-like isoform X1
XP_003794238.1 E3 ubiquitin-protein ligase TRIM50
XP_003211686.1 e3 ubiquitin-protein ligase TRIM50-like
XP_690252.5 E3 ubiquitin-protein ligase TRIM71
XP_002665695.1 E3 ubiquitin-protein ligase TRIM9-like
XP_003202982.1 e3 ubiquitin-protein ligase TTC3-like
XP_003453157.1 E3 ubiquitin-protein ligase UBR1-like
XP_001921590.3 E3 ubiquitin-protein ligase UBR2 isoform X1
XP_003447432.1 E3 ubiquitin-protein ligase UBR3-like
XP_003444909.1 E3 ubiquitin-protein ligase UBR4
XP_693147.3 E3 ubiquitin-protein ligase UBR4 isoform X11
XP_004070678.1 E3 ubiquitin-protein ligase UBR4-like
XP_003965884.1 E3 ubiquitin-protein ligase UBR5-like isoform 2
XP_003201004.1 E3 ubiquitin-protein ligase UHRF1
XP_004067924.1 E3 ubiquitin-protein ligase UHRF1-like
XP_004074950.1 E3 ubiquitin-protein ligase UHRF2-like
XP_683275.2 E3 ubiquitin-protein ligase ZFP91 isoform X4
XP_003976182.1 E3 ubiquitin-protein ligase ZNRF1-like
XP_003453025.1 E3 UFM1-protein ligase 1-like
XP_002709506.1 early B-cell factor 2-like isoform 4
XP_003200485.1 early endosome antigen 1
XP_003506410.1 early endosome antigen 1-like, partial
XP_001919110.3 echinoderm microtubule associated protein like 6
XP_003460245.1 echinoderm microtubule-associated protein-like 4-like
XP_004077073.1 echinoderm microtubule-associated protein-like 4-like isoform 1

XP_004082624.1 echinoderm microtubule-associated protein-like 5-like
 XP_003456575.1 echinoderm microtubule-associated protein-like 6-like, partial
 XP_683240.1 ecto-ADP-ribosyltransferase 5
 XP_003198106.1 ecto-ADP-ribosyltransferase 5-like
 XP_687500.2 ectoderm-neural cortex protein 1
 XP_003449226.1 ectoderm-neural cortex protein 2
 XP_695138.4 ectodysplasin-A receptor-associated adapter protein-like
 XP_003445312.1 ecto-NOX disulfide-thiol exchanger 1-like
 XP_694692.3 ecto-NOX disulfide-thiol exchanger 2
 XP_003970666.1 ecto-NOX disulfide-thiol exchanger 2-like
 XP_697600.3 ectonucleoside triphosphate diphosphohydrolase 2-like
 XP_004072710.1 ectonucleoside triphosphate diphosphohydrolase 4-like
 XP_002665866.2 ectonucleoside triphosphate diphosphohydrolase 5-like
 XP_003971877.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 1-like
 XP_003446250.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2-like
 XP_003458636.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 3-like
 XP_003984630.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 6
 XP_003217167.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 7-like
 XP_002666930.2 EF-hand calcium-binding domain-containing protein 10 isoform X2
 XP_686288.2 EF-hand calcium-binding domain-containing protein 2
 XP_002667614.2 EF-hand calcium-binding domain-containing protein 4B-like, partial
 XP_003976641.1 EF-hand domain-containing family member A1-like
 XP_003199954.1 EF-hand domain-containing family member A2-like
 XP_003762505.1 EF-hand domain-containing protein C3orf25 homolog
 XP_683253.1 EF-hand domain-containing protein D2 isoformX1
 XP_004069008.1 EGF domain-specific O-linked N-acetylglucosamine transferase-like
 XP_003452041.1 EGF-containing fibulin-like extracellular matrix protein 1-like
 XP_003450054.1 EGF-like module-containing mucin-like hormone receptor-like 1-like
 XP_003197799.1 EGF-like module-containing mucin-like hormone receptor-like 3-like
 XP_003456123.1 EGF-like repeat and discoidin I-like domain-containing protein 3
 XP_003455452.1 EGF-like repeat and discoidin I-like domain-containing protein 3-like
 XP_001332616.3 EGF-like repeats and discoidin I-like domains 3 isoform X1
 XP_003993972.1 egl nine homolog 1
 XP_688016.4 egl nine homolog 2-like
 XP_003451252.1 egl nine homolog 3-like
 XP_001919732.1 EH domain-binding protein 1
 XP_004077283.1 EH domain-binding protein 1-like
 XP_003215239.1 EH domain-binding protein 1-like isoform 2
 XP_003198975.1 EH domain-binding protein 1-like protein 1-like
 XP_003970287.1 EH domain-containing protein 1-like
 XP_695436.1 EH domain-containing protein 2-like
 XP_698033.3 EH domain-containing protein 4
 XP_003451232.1 EH domain-containing protein 4-like
 XP_003447141.1 EIN3-binding F-box protein 1-like
 XP_003456163.1 elastase-1-like
 XP_003442949.1 ELAV-like protein 1-like
 XP_003964814.1 ELAV-like protein 3-like isoform 2
 XP_003767210.1 ELAV-like protein 4
 XP_003732533.1 electrogenic sodium bicarbonate cotransporter 1 isoform 2
 XP_003444524.1 electrogenic sodium bicarbonate cotransporter 1-like
 XP_003430948.1 electrogenic sodium bicarbonate cotransporter 1-like isoform 3
 XP_003439672.1 electrogenic sodium bicarbonate cotransporter 4-like
 XP_003221774.1 electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial-like
 XP_003441368.1 electroneutral sodium bicarbonate exchanger 1
 XP_004086199.1 electroneutral sodium bicarbonate exchanger 1-like
 XP_003967378.1 ELKS/Rab6-interacting/CAST family member 1-like
 XP_004052540.1 ELKS/Rab6-interacting/CAST family member 1-like, partial
 XP_003454950.1 ELL-associated factor 2-like
 XP_003411403.1 ellis-van Creveld syndrome protein-like
 XP_003441597.1 ellis-van Creveld syndrome protein-like isoform 2
 XP_003453761.1 ELMO domain-containing protein 1-like
 XP_003445654.1 ELMO domain-containing protein 3-like
 XP_003454678.1 elongation factor 1-alpha 1-like
 XP_002697543.1 elongation factor 1-alpha, somatic form
 XP_004079484.1 elongation factor 1-delta-like isoform 2
 XP_003444636.1 elongation factor 1-gamma-like
 XP_003438023.1 elongation factor 2-like
 XP_003454860.1 elongation factor G, mitochondrial-like
 XP_003441361.1 elongation factor Ts, mitochondrial-like
 XP_003437550.1 elongation factor Tu GTP-binding domain-containing protein 1
 XP_003964534.1 elongation factor Tu, mitochondrial-like
 XP_004079301.1 elongation of very long chain fatty acids protein 1-like
 XP_003448760.1 elongation of very long chain fatty acids protein 6-like
 XP_689534.4 elongator complex protein 1
 XP_003444085.1 elongator complex protein 2-like
 XP_003440889.1 elongator complex protein 3-like
 XP_002190593.1 embryonic polyadenylate-binding protein-like
 XP_001924046.1 emerin isoform X1
 XP_003968139.1 EMILIN-2-like

XP_003438928.1 EMILIN-3-like
XP_001378582.1 emopamil-binding protein-like
XP_003440839.1 ena/VASP-like protein-like
XP_004069676.1 endonuclease 8-like 1-like
XP_001340343.2 endonuclease domain-containing 1 protein
XP_003220788.1 endonuclease domain-containing 1 protein-like
XP_001346643.3 endonuclease III-like protein 1 isoform X1
XP_003448055.1 endonuclease V-like
XP_004074159.1 endonuclease/exonuclease/phosphatase family domain-containing protein 1-like
XP_004086788.1 endophilin-A1-like
XP_002199160.1 endophilin-A3 isoform 1
XP_003509641.1 endophilin-A3-like
XP_003967862.1 endophilin-B1-like isoform 1
XP_003455320.1 endoplasmic reticulum aminopeptidase 1
XP_692516.3 endoplasmic reticulum aminopeptidase 1 isoform X3
XP_003461980.1 endoplasmic reticulum lectin 1
XP_691064.2 endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase-like
XP_003453965.1 endoplasmic reticulum metallopeptidase 1
XP_003965609.1 endoplasmic reticulum metallopeptidase 1-like
XP_003972818.1 endoplasmic reticulum-Golgi intermediate compartment protein 2-like
XP_001342322.3 endosialin
XP_001344375.2 endothelial cells scavenger receptor-like
XP_691391.4 endothelial cell-selective adhesion molecule-like
XP_004072308.1 endothelial lipase-like
XP_695262.5 endothelial PAS domain-containing protein 1
XP_004012370.1 endothelin B receptor
XP_001089047.2 endothelin B receptor isoform 2
XP_003453339.1 endothelin B receptor-like
XP_004083371.1 endothelin-1-like
XP_696381.1 endothelin-2-like
XP_003447732.1 endothelin-converting enzyme 1-like
XP_001333228.3 endothelin-converting enzyme 2
XP_003456349.1 endothelin-converting enzyme-like 1-like
XP_003444090.1 engulfment and cell motility protein 1 isoform 2
XP_002664936.1 engulfment and cell motility protein 1-like isoform X2
XP_004069189.1 engulfment and cell motility protein 2-like
XP_003201479.1 engulfment and cell motility protein 3, partial
XP_003447096.1 engulfment and cell motility protein 3-like
XP_003200560.1 enhancer of filamentation 1
XP_003967574.1 enhancer of mRNA-decapping protein 3-like
XP_695062.2 enhancer of polycomb homolog 1 isoform X2
XP_003447525.1 enhancer of polycomb homolog 1-like
XP_003446462.1 enoyl-CoA delta isomerase 1, mitochondrial-like
XP_004083275.1 enoyl-CoA hydratase domain-containing protein 3, mitochondrial-like
XP_004077221.1 enoyl-CoA hydratase, mitochondrial-like
XP_001920030.3 ensconsin
XP_003200574.1 ensconsin-like
XP_001919639.1 enteropeptidase-like
XP_003211498.1 envoplakin-like
XP_002741080.1 enzymatic polyprotein, putative-like, partial
XP_004074994.1 eosinophil peroxidase-like
XP_003459805.1 EP-cadherin-like
XP_685579.3 ependymin
XP_697546.2 ephexin-1-like
XP_003963001.1 ephrin type-A receptor 2-like
XP_001336188.3 ephrin type-A receptor 3, partial
XP_004081741.1 ephrin type-A receptor 3-like
XP_002939970.1 ephrin type-A receptor 3-like isoform X1
XP_687698.2 ephrin type-A receptor 4
XP_003456997.1 ephrin type-A receptor 4-like
XP_003444486.1 ephrin type-A receptor 5
XP_001338064.4 ephrin type-A receptor 5-like isoform X1
XP_003219158.1 ephrin type-A receptor 6-like
XP_002667653.1 ephrin type-A receptor 7-like
XP_699275.5 ephrin type-A receptor 8, partial
XP_003199563.1 ephrin type-A receptor 8-like, partial
XP_003975646.1 ephrin type-B receptor 1-like
XP_001920022.2 ephrin type-B receptor 2-like
XP_003974341.1 ephrin type-B receptor 3-like
XP_683712.5 ephrin type-B receptor 3-like, partial
XP_004076390.1 ephrin type-B receptor 4-like
XP_003450673.1 ephrin type-B receptor 5-like
XP_002663773.1 ephrin-A2-like
XP_001340912.2 ephrin-A3
XP_003451020.1 ephrin-A3-like
XP_001343018.3 ephrin-A4-like
XP_003446197.1 ephrin-A5b-like
XP_003970639.1 ephrin-B1-like
XP_692670.2 ephrin-B3-like isoform X2

XP_002918766.1 epidermal growth factor receptor kinase substrate 8-like
XP_004080587.1 epidermal growth factor receptor kinase substrate 8-like protein 1-like
XP_002666818.2 epidermal growth factor receptor kinase substrate 8-like protein 2-like
XP_002666161.1 epidermal growth factor receptor kinase substrate 8-like protein 3-like
XP_003208887.1 epidermal growth factor receptor substrate 15-like
XP_003448876.1 epidermal growth factor receptor substrate 15-like 1
XP_004079471.1 epidermal growth factor receptor-like
XP_003449712.1 epidermal growth factor-like protein 7-like
XP_003975540.1 epidermal retinol dehydrogenase 2-like
XP_003452278.1 epidermis-type lipoxygenase 3-like
XP_001344391.1 epigen-like
XP_001345829.4 epithelial discoidin domain-containing receptor 1 isoform X1
XP_003450701.1 epithelial discoidin domain-containing receptor 1-like
XP_003437664.1 epithelial splicing regulatory protein 2-like
XP_001915561.2 epithelial-stromal interaction protein 1-like
XP_003453042.1 epoxide hydrolase 1-like
XP_003444306.1 epoxide hydrolase 4-like
XP_003961076.1 epsilon-sarcoglycan-like
XP_003450727.1 epsin-1-like
XP_003450077.1 epsin-3-like
XP_003458230.1 equilibrative nucleoside transporter 2-like
XP_004077586.1 equilibrative nucleoside transporter 3-like
XP_003444457.1 ER degradation-enhancing alpha-mannosidase-like 3-like
XP_003200881.1 ER degradation-enhancing alpha-mannosidase-like protein 3-like isoform X1
XP_693770.3 ER membrane protein complex subunit 1 isoform X2
XP_003965076.1 ER membrane protein complex subunit 10-like
XP_004068529.1 ER membrane protein complex subunit 3-like
XP_004083953.1 ER membrane protein complex subunit 7-like
XP_694955.2 ERBB receptor feedback inhibitor 1-like
XP_003210128.1 ERC protein 2-like
XP_001922876.1 ERC protein 2-like isoform X1
XP_003457806.1 ERI1 exoribonuclease 2-like
XP_003448634.1 erlin-2-like
XP_003454379.1 ERO1-like protein alpha-like
XP_003456581.1 ERO1-like protein beta-like
XP_004084186.1 erythrocyte band 7 integral membrane protein-like
XP_002684299.2 erythrocyte membrane protein band 4.1-like 2
XP_694764.3 erythroid differentiation-related factor 1-like
XP_003363444.1 erythroid differentiation-related factor 1-like isoform 2
XP_003445944.1 ES1 protein homolog, mitochondrial-like
XP_002809856.2 E-selectin
XP_004067805.1 espin-like protein-like
XP_003967289.1 estradiol 17-beta-dehydrogenase 12-A-like
XP_003454555.1 estrogen-related receptor gamma-like
XP_689471.3 ethanalamine kinase 1 isoform 1
XP_003442801.1 ethanalamine kinase 1-like
XP_003455812.1 ethanalamine-phosphate cytidyltransferase-like
XP_685817.2 ethanalaminephosphotransferase 1-like
XP_003459023.1 etoposide-induced protein 2.4 homolog
XP_696294.3 ETS domain-containing protein Elk-1
XP_694263.3 ETS domain-containing transcription factor ERF
XP_004074322.1 ETS domain-containing transcription factor ERF-like
XP_004078579.1 ETS translocation variant 1-like
XP_003961093.1 ETS translocation variant 4-like
XP_003975921.1 ETS-related transcription factor Elf-1-like
XP_002666146.1 ETS-related transcription factor Elf-3
XP_003445321.1 ETS-related transcription factor Elf-4-like
XP_003766125.1 eukaryotic initiation factor 4A-II
XP_003437851.1 eukaryotic initiation factor 4A-II-like
XP_004085009.1 eukaryotic peptide chain release factor GTP-binding subunit ERF3A-like
XP_003444613.1 eukaryotic peptide chain release factor subunit 1-like
XP_692806.3 eukaryotic translation elongation factor 1 epsilon-1 isoform 1
XP_001510012.1 eukaryotic translation initiation factor 2 subunit 2-like
XP_003447862.1 eukaryotic translation initiation factor 2-alpha kinase 4
XP_002667149.2 eukaryotic translation initiation factor 2-alpha kinase 4, partial
XP_004082649.1 eukaryotic translation initiation factor 2-alpha kinase 4-like
XP_004070820.1 eukaryotic translation initiation factor 2D-like
XP_001335480.2 eukaryotic translation initiation factor 3 subunit B
XP_004080358.1 eukaryotic translation initiation factor 3 subunit C-like
XP_003442557.1 eukaryotic translation initiation factor 3 subunit D-like
XP_001925424.4 eukaryotic translation initiation factor 3 subunit E
XP_004086681.1 eukaryotic translation initiation factor 3 subunit E-A-like isoform 2
XP_001505745.1 eukaryotic translation initiation factor 3 subunit E-like
XP_003481398.1 eukaryotic translation initiation factor 3 subunit H-like
XP_003341203.1 eukaryotic translation initiation factor 3 subunit I-like
XP_004075263.1 eukaryotic translation initiation factor 3 subunit K-like
XP_004075766.1 eukaryotic translation initiation factor 4 gamma 1-like
XP_002664770.2 eukaryotic translation initiation factor 4 gamma 1-like, partial
XP_003508314.1 eukaryotic translation initiation factor 4 gamma 2-like

XP_001920081.1 eukaryotic translation initiation factor 4 gamma 3
 XP_694490.4 eukaryotic translation initiation factor 4 gamma 3-like
 XP_003442829.1 eukaryotic translation initiation factor 4E type 3-like
 XP_003445483.1 eukaryotic translation initiation factor 4E-like
 XP_003416796.1 eukaryotic translation initiation factor 5A-1-like
 XP_003457999.1 eukaryotic translation initiation factor 5B
 XP_003966679.1 eukaryotic translation initiation factor 5B-like
 XP_003447831.1 eukaryotic translation initiation factor 5-like
 XP_001377299.2 EVI5-like protein-like
 XP_003224301.1 excitatory amino acid transporter 1-like
 XP_004071211.1 excitatory amino acid transporter 2-like
 XP_003459694.1 excitatory amino acid transporter 3-like
 XP_003977566.1 excitatory amino acid transporter 5-like
 XP_004076121.1 exocyst complex component 3-like
 XP_004082776.1 exocyst complex component 3-like protein 4-like
 XP_004083088.1 exocyst complex component 4-like
 XP_003457393.1 exocyst complex component 6B-like
 XP_003417296.1 exocyst complex component 7 isoform 4
 XP_004080760.1 exocyst complex component 7-like isoform 3
 XP_004082385.1 exonuclease 3'-5' domain-containing protein 1-like
 XP_003455878.1 exosome complex component CSL4-like
 XP_003979184.1 exosome complex component RRP40-like
 XP_003969325.1 exosome complex component RRP42-like
 XP_001336850.2 exosome complex exonuclease RRP44
 XP_003438336.1 exosome complex exonuclease RRP44-like
 XP_003782438.1 exostosin-1
 XP_003447212.1 exostosin-1b-like
 XP_003200713.1 exostosin-1-like
 XP_003442347.1 exostosin-2-like
 XP_003456631.1 exportin-4-like
 XP_001921422.3 exportin-5
 XP_003769128.1 exportin-5 isoform 2
 XP_001381971.2 exportin-7-like
 XP_003448834.1 exportin-T-like
 XP_695611.3 extended synaptotagmin-1
 XP_003198886.1 extended synaptotagmin-1-like
 XP_003447518.1 extended synaptotagmin-2-like
 XP_004081167.1 extended synaptotagmin-2-like isoform 1
 XP_003443358.1 extended synaptotagmin-3-like
 XP_001919102.3 extracellular calcium-sensing receptor
 XP_689097.1 extracellular calcium-sensing receptor-like
 XP_001919039.2 extracellular leucine-rich repeat and fibronectin type-III domain-containing protein 1-like
 XP_002664851.1 extracellular matrix protein 1-like isoform X1
 XP_686507.2 extracellular matrix protein 2
 XP_002935557.1 extracellular matrix protein 2-like
 XP_688892.5 extracellular serine/threonine protein kinase FAM20C
 XP_004071743.1 extracellular serine/threonine protein kinase Fam20C-like
 XP_004081305.1 extracellular sulfatase Sulf-1-like
 XP_003431251.1 extracellular sulfatase Sulf-2
 XP_004084336.1 extracellular superoxide dismutase
 XP_003443509.1 eyes absent homolog 1 isoform 2
 XP_004068757.1 eyes absent homolog 2-like
 XP_003447291.1 eyes absent homolog 3-like
 XP_003440769.1 eyes absent homolog 4
 XP_003586527.1 eyes absent homolog 4 isoform 2
 XP_004083742.1 eyes absent homolog 4-like isoform 1
 XP_004083745.1 eyes absent homolog 4-like isoform 4
 XP_001337941.2 failed axon connections homolog
 XP_686077.3 family with sequence similarity 120C
 XP_003198673.1 family with sequence similarity 129, member Bb
 XP_004082003.1 Fanconi anemia group B protein-like
 XP_003440633.1 Fanconi anemia group I protein homolog
 XP_004070138.1 Fanconi anemia group I protein-like
 XP_003453297.1 Fanconi anemia group M protein homolog
 XP_001341227.3 Fanconi anemia-associated protein of 100 kDa-like isoform X1
 XP_003439564.1 Fanconi anemia-associated protein of 24 kDa-like
 XP_003444002.1 fanconi-associated nuclease 1-like
 XP_003965518.1 far upstream element-binding protein 3-like
 XP_003445899.1 FAS-associated factor 2-like
 XP_001491971.2 fas-binding factor 1
 XP_003454074.1 fas-binding factor 1 homolog
 XP_002667351.2 fas-binding factor 1 homolog, partial
 XP_001521697.2 fasciculation and elongation protein zeta-1-like, partial
 XP_003440785.1 fasciculation and elongation protein zeta-2-like
 XP_004071455.1 fascin-2-like
 XP_003441011.1 FAST kinase domain-containing protein 2-like
 XP_003439284.1 FAST kinase domain-containing protein 3-like
 XP_004070153.1 fatty acid 2-hydroxylase-like
 XP_003199708.1 fatty acid desaturase 6-like

XP_001923643.1 fatty acid synthase isoform X1
 XP_687387.4 fatty acid synthase-like isoform X2
 XP_003452079.1 fatty acyl-CoA reductase 1-like
 XP_003447017.1 fatty aldehyde dehydrogenase-like
 XP_001335979.2 fatty aldehyde dehydrogenase-like isoform X1
 XP_003974087.1 fatty-acid amide hydrolase 1-like
 XP_002709567.1 F-box and leucine-rich repeat protein 5
 XP_001498321.3 f-box only protein 11
 XP_696134.3 F-box only protein 11 isoform X3
 XP_001254522.3 F-box only protein 11-like
 XP_689154.4 F-box only protein 15 isoform X2
 XP_003454202.1 F-box only protein 21-like
 XP_003969567.1 F-box only protein 22-like
 XP_684144.3 f-box only protein 28
 XP_003978356.1 F-box only protein 28-like
 XP_003442691.1 F-box only protein 2-like
 XP_003442923.1 F-box only protein 30
 XP_003440409.1 F-box only protein 31-B-like
 XP_003445535.1 F-box only protein 33-like
 XP_002665197.1 F-box only protein 34 isoform X1
 XP_001339486.1 f-box only protein 38-like
 XP_003458003.1 F-box only protein 3-like
 XP_694708.3 F-box only protein 40-like isoform X2
 XP_696198.4 F-box only protein 41
 XP_004065955.1 F-box only protein 41-like
 XP_003441474.1 F-box only protein 42-like
 XP_001496322.2 f-box only protein 4-like
 XP_004070982.1 F-box only protein 6-like
 XP_003220944.1 f-box only protein 7-like
 XP_001511077.1 F-box only protein 9-like
 XP_001339819.3 f-box/LRR-repeat protein 14
 XP_003999108.1 F-box/LRR-repeat protein 16
 XP_003446198.1 F-box/LRR-repeat protein 17-like
 XP_003442475.1 F-box/LRR-repeat protein 19-like
 XP_002664757.1 f-box/LRR-repeat protein 20-like isoform 1
 XP_003200578.1 f-box/LRR-repeat protein 20-like isoform 3
 XP_002663386.1 F-box/LRR-repeat protein 3 isoform 1
 XP_003445831.1 F-box/LRR-repeat protein 3-like
 XP_004070226.1 F-box/LRR-repeat protein 4-like
 XP_004068369.1 F-box/LRR-repeat protein 5-like isoform 1
 XP_004074337.1 F-box/LRR-repeat protein 6-like
 XP_004080993.1 F-box/SPRY domain-containing protein 1-like
 XP_692449.3 f-box/WD repeat-containing protein 10-like
 XP_003439535.1 F-box/WD repeat-containing protein 2-like
 XP_004074804.1 F-box/WD repeat-containing protein 5-like
 XP_003257888.1 F-box/WD repeat-containing protein 7 isoform 2
 XP_693393.4 F-box/WD repeat-containing protein 7 isoform X6
 XP_004066052.1 F-box/WD repeat-containing protein 7-like
 XP_002661149.1 F-box/WD repeat-containing protein 9
 XP_003437853.1 F-box-like/WD repeat-containing protein TBL1XR1-like
 XP_003198117.1 Fc receptor-like protein 5-like
 XP_004051818.1 FCH and double SH3 domains protein 2
 XP_003764739.1 FCH and double SH3 domains protein 2, partial
 XP_003199428.1 FCH and double SH3 domains protein 2-like
 XP_003977115.1 FCH and double SH3 domains protein 2-like isoform 1
 XP_003977116.1 FCH and double SH3 domains protein 2-like isoform 2
 XP_003200461.1 FCH and double SH3 domains protein 2-like, partial
 XP_001921022.3 FCH domain only protein 1-like
 XP_003449676.1 FCH domain only protein 2-like
 XP_003455647.1 feline leukemia virus subgroup C receptor-related protein 2
 XP_003200803.1 feline leukemia virus subgroup C receptor-related protein 2 isoform X1
 XP_693589.2 feline leukemia virus subgroup C receptor-related protein 2-like
 XP_001922278.1 fer-1-like protein 4-like
 XP_004082084.1 fer-1-like protein 6-like
 XP_003788532.1 fer3-like protein
 XP_003223379.1 FERM and PDZ domain-containing protein 1-like
 XP_004073548.1 FERM and PDZ domain-containing protein 3-like
 XP_003218897.1 FERM and PDZ domain-containing protein 4-like
 XP_003440614.1 FERM domain-containing protein 4A-like
 XP_699526.3 FERM domain-containing protein 5
 XP_004067452.1 FERM domain-containing protein 5-like
 XP_003197670.1 FERM domain-containing protein 7-like
 XP_687842.2 FERM domain-containing protein 8
 XP_003447409.1 FERM, RhoGEF and pleckstrin domain-containing protein 1-like
 XP_001922658.2 FERM, RhoGEF and pleckstrin domain-containing protein 2 isoformX2
 XP_003444314.1 FERM, RhoGEF and pleckstrin domain-containing protein 2-like
 XP_002665831.2 fermitin family homolog 1-like
 XP_002662234.2 fermitin family homolog 3, partial
 XP_002730940.1 ferredoxin reductase-like

XP_003964390.1 ferritin, middle subunit-like
XP_003440239.1 ferrochelatase, mitochondrial-like
XP_002713693.1 ferrochelatase-like
XP_003940271.1 fez family zinc finger protein 2
XP_003455754.1 FGFR1 oncogene partner 2 homolog
XP_003453375.1 FGGY carbohydrate kinase domain-containing protein-like
XP_003222371.1 FH1/FH2 domain-containing protein 3-like
XP_001106633.1 FH1/FH2 domain-containing protein 3-like isoform 3
XP_002716950.1 FH2 domain containing 1
XP_694558.1 FH2 domain-containing protein 1-like
XP_003976361.1 fibril-forming collagen alpha chain-like, partial
XP_003456833.1 fibrillin-1
XP_002665326.2 fibrillin-1-like
XP_002825475.1 fibrillin-1-like, partial
XP_002664168.2 fibrillin-2
XP_003201008.1 fibrillin-2-like
XP_003213702.1 fibrillin-2-like, partial
XP_003200828.1 fibrillin-3
XP_003976917.1 fibrinogen beta chain-like
XP_001922345.2 fibrinogen C domain-containing protein 1 isoform X1
XP_003772869.1 fibrinogen-like protein 1
XP_003962648.1 fibrinogen-like protein A-like
XP_001920354.2 fibroblast growth factor 11-like
XP_003445268.1 fibroblast growth factor 13-like
XP_003203273.1 fibroblast growth factor 14-like
XP_002742546.1 fibroblast growth factor 14-like, partial
XP_003456604.1 fibroblast growth factor 3-like
XP_003447099.1 fibroblast growth factor 6-like
XP_003969881.1 fibroblast growth factor 7-like
XP_003224286.1 fibroblast growth factor 8-like
XP_003974640.1 fibroblast growth factor receptor 1-A-like isoform 1
XP_693602.4 fibroblast growth factor receptor 1-like
XP_003447893.1 fibroblast growth factor receptor 3-like
XP_002662545.2 fibroblast growth factor receptor substrate 2-like
XP_003970619.1 fibroblast growth factor receptor-like 1-like
XP_001339408.2 fibroblast growth factor-binding protein 1
XP_003447322.1 fibrocystin-L
XP_004074333.1 fibrocystin-L-like
XP_003441340.1 fibroleukin-like
XP_001340260.1 fibronectin type III and SPRY domain containing 1-like isoform X1
XP_003439923.1 fibronectin type III and SPRY domain-containing protein 1-like
XP_003458251.1 fibronectin type III and SPRY domain-containing protein 2-like
XP_003419270.1 fibronectin type III domain-containing protein 1-like
XP_002666718.1 fibronectin type III domain-containing protein 3B
XP_003962432.1 fibronectin type III domain-containing protein 3B-like
XP_002665181.2 fibronectin type III domain-containing protein 4-like
XP_004082695.1 fibronectin type III domain-containing protein 5-like
XP_003197984.1 fibronectin type III domain-containing protein 7-like
XP_002919154.1 fibronectin type-III domain-containing protein 3A-like
XP_003223437.1 fibronectin type-III domain-containing protein 3a-like, partial
XP_003443385.1 fibronectin-like isoform 1
XP_685112.5 fibropellin-1
XP_003907749.1 fibrous sheath-interacting protein 2-like
XP_001511339.2 fibulin-1-like, partial
XP_001341277.1 fibulin-2
XP_003495213.1 fibulin-2 isoform 1
XP_003446563.1 fibulin-2-like
XP_003442378.1 fibulin-7-like
XP_003447453.1 fidgetin-like
XP_001922206.1 filamin-A
XP_001508334.2 filamin-A isoform 1
XP_003431024.1 filamin-A isoform 4
XP_685522.5 filamin-A-interacting protein 1, partial
XP_003446715.1 filamin-A-interacting protein 1-like
XP_003454305.1 filamin-A-like
XP_004070343.1 filamin-A-like isoform 2
XP_002758525.1 filamin-B isoform 1
XP_001919520.3 filamin-B, partial
XP_003448473.1 filamin-B-like
XP_002666982.1 filamin-C isoform X1
XP_003448846.1 filamin-C-like
XP_003967562.1 filamin-C-like isoform 1
XP_003967563.1 filamin-C-like isoform 2
XP_003976743.1 filamin-C-like, partial
XP_688502.5 filensin-like
XP_003450820.1 fin bud initiation factor-like
XP_003439734.1 fizzy-related protein homolog isoform 3
XP_003197866.1 fizzy-related protein homolog isoform X1
XP_700524.5 FK506-binding protein 15, partial

XP_003455095.1 FK506-binding protein 15-like
XP_001921760.1 FL cytokine receptor-like
XP_004083655.1 flap endonuclease GEN homolog 1-like
XP_003456428.1 flavin reductase-like
XP_001332968.4 flavin-containing monooxygenase FMO GS-OX-like 1-like
XP_705718.2 flocculation protein FLO11
XP_001341188.1 flocculation protein FLO11 isoform X1
XP_003912552.1 flotillin-2 isoform 2
XP_003456181.1 flotillin-2a-like
XP_003198980.1 focadhesin
XP_004080148.1 focadhesin-like
XP_003205363.1 focal adhesion kinase 1-like
XP_002662447.2 folate transporter 1-like
XP_003971057.1 folliculin-interacting protein 1-like
XP_003452992.1 follistatin-related protein 1-like
XP_003199959.1 forkhead box protein A4-like
XP_688171.1 forkhead box protein B2-like
XP_003438163.1 forkhead box protein C1-B-like
XP_696065.1 forkhead box protein E1
XP_003442294.1 forkhead box protein F1-like
XP_686801.4 forkhead box protein J2-like
XP_003448353.1 forkhead box protein J3 isoform 2
XP_001922856.1 forkhead box protein K2 isoform 1
XP_001922858.1 forkhead box protein K2 isoform 2
XP_003768925.1 forkhead box protein K2, partial
XP_004080716.1 forkhead box protein K2-like
XP_003905855.1 forkhead box protein M1 isoform 2
XP_003452072.1 forkhead box protein M1-like
XP_004073254.1 forkhead box protein N2-like
XP_003428264.1 forkhead box protein N3-like
XP_003450587.1 forkhead box protein O3-like
XP_692168.4 forkhead box protein O4-like
XP_003973807.1 forkhead box protein P1-B-like isoform 2
XP_003441564.1 forkhead box protein P4 isoform 2
XP_694795.5 formin-2
XP_003458605.1 formin-2-like
XP_003965309.1 formin-binding protein 1-like isoform 2
XP_003965314.1 formin-binding protein 1-like isoform 7
XP_001923875.1 formin-binding protein 4
XP_003447859.1 formin-like
XP_001345195.4 formin-like 2a isoform X1
XP_002662354.2 formin-like 2b isoform X1
XP_001920583.2 formin-like 3 isoform X1
XP_003201391.1 formin-like protein 2-like
XP_002811775.1 four and a half LIM domains protein 2 isoform 1
XP_002811776.1 four and a half LIM domains protein 2 isoform 2
XP_003440492.1 four-jointed box protein 1-like
XP_003968645.1 foxhead box protein O1-A-like isoform 1
XP_003451862.1 fragile X mental retardation protein 1 homolog
XP_004073675.1 fragile X mental retardation protein 1 homolog B-like
XP_003457402.1 fragile X mental retardation syndrome-related protein 1-like
XP_003450396.1 fragile X mental retardation syndrome-related protein 1-like isoform 2
XP_002194679.1 FRAS1-related extracellular matrix protein 2
XP_003449755.1 FRAS1-related extracellular matrix protein 2-like
XP_003200601.1 free fatty acid receptor 2-like
XP_002665089.1 free fatty acid receptor 3-like
XP_003441646.1 Friend leukemia integration 1 transcription factor isoform 1
XP_004075912.1 Friend leukemia integration 1 transcription factor-like
XP_002664771.2 frizzled-4-like
XP_004077741.1 frizzled-6-like
XP_003444530.1 fructose-1,6-bisphosphatase isozyme 2-like
XP_004077222.1 fucose mutarotase-like
XP_003974177.1 fumarate hydratase, mitochondrial-like
XP_004085266.1 fumarylacetoacetase-like
XP_003440911.1 FUN14 domain-containing protein 1-like
XP_001923593.1 FYN-binding protein-like isoform X1
XP_003201276.1 FYVE and coiled-coil domain-containing protein 1-like
XP_003197998.1 FYVE and coiled-coil domain-containing protein 1-like isoform X1
XP_003979208.1 FYVE and coiled-coil domain-containing protein 1-like, partial
XP_688794.3 FYVE, RhoGEF and PH domain-containing protein 1, partial
XP_003438879.1 FYVE, RhoGEF and PH domain-containing protein 3-like
XP_003447165.1 FYVE, RhoGEF and PH domain-containing protein 4-like
XP_003441343.1 FYVE, RhoGEF and PH domain-containing protein 5
XP_003973248.1 FYVE, RhoGEF and PH domain-containing protein 5-like
XP_001919894.2 FYVE, RhoGEF and PH domain-containing protein 5-like isoform X1
XP_003448145.1 FYVE, RhoGEF and PH domain-containing protein 6-like
XP_002708264.1 G alpha 14
XP_002719230.1 G patch domain containing 8
XP_003200809.1 G patch domain-containing protein 2 isoform X1

XP_003452157.1 G patch domain-containing protein 3-like
XP_693776.3 G patch domain-containing protein 8 isoform X6
XP_002663356.2 G protein-activated inward rectifier potassium channel 1
XP_698251.1 G protein-activated inward rectifier potassium channel 1 isoform X2
XP_003447389.1 G protein-activated inward rectifier potassium channel 1-like
XP_001920703.1 G protein-activated inward rectifier potassium channel 1-like isoform X1
XP_004076820.1 G protein-activated inward rectifier potassium channel 2-like
XP_002660948.1 G protein-activated inward rectifier potassium channel 3
XP_003447541.1 G protein-activated inward rectifier potassium channel 3-like
XP_695545.3 G protein-coupled receptor 37 like 1a
XP_696192.2 G protein-coupled receptor 37 like 1b
XP_003445652.1 G protein-coupled receptor kinase 5-like
XP_689783.2 G protein-coupled receptor kinase 6
XP_001514876.2 G protein-coupled receptor kinase 6-like, partial
XP_003979507.1 G protein-regulated inducer of neurite outgrowth 2-like, partial
XP_687336.3 G/T mismatch-specific thymine DNA glycosylase-like
XP_004068583.1 G1/S-specific cyclin-D1-like
XP_003439571.1 G2/M phase-specific E3 ubiquitin-protein ligase-like
XP_003201661.1 g2/M phase-specific E3 ubiquitin-protein ligase-like, partial
XP_001369969.1 GA-binding protein subunit beta-1 isoform 1
XP_003459683.1 galactocerebrosidase-like
XP_003976902.1 galactose-1-phosphate uridylyltransferase-like
XP_683950.5 galactose-3-O-sulfotransferase 2-like, partial
XP_002662770.2 galactose-3-O-sulfotransferase 3-like
XP_003458971.1 galactose-3-O-sulfotransferase 4-like
XP_003417506.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1-like
XP_003441642.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1-like isoform 2
XP_003452365.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2-like
XP_003452470.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3-like
XP_003199667.1 galanin peptides-like
XP_001920335.1 galanin peptides-like isoform X1
XP_696215.1 galanin receptor type 1
XP_003443686.1 galanin receptor type 1-like
XP_001339169.1 galanin receptor type 2-like
XP_004071838.1 galectin-1-like
XP_003457266.1 galectin-3-like
XP_003200715.1 galectin-8 isoform X1
XP_002665300.2 galectin-8-like
XP_003768040.1 gametogenetin-binding protein 2 isoform 1
XP_002666738.2 gamma-1-syntrophin
XP_419197.2 gamma-1-syntrophin isoform X9
XP_003975329.1 gamma-1-syntrophin-like
XP_003215531.1 gamma-2-syntrophin-like
XP_003782024.1 gamma-aminobutyric acid receptor subunit alpha-1 isoform 1
XP_003134134.3 gamma-aminobutyric acid receptor subunit alpha-1-like
XP_001920091.2 gamma-aminobutyric acid receptor subunit alpha-2-like
XP_003199880.1 gamma-aminobutyric acid receptor subunit alpha-2-like, partial
XP_002666117.2 gamma-aminobutyric acid receptor subunit alpha-3, partial
XP_004076732.1 gamma-aminobutyric acid receptor subunit alpha-3-like
XP_003200956.1 gamma-aminobutyric acid receptor subunit alpha-3-like, partial
XP_003773329.1 gamma-aminobutyric acid receptor subunit alpha-4 isoform 3
XP_003451830.1 gamma-aminobutyric acid receptor subunit alpha-4-like
XP_001339511.2 gamma-aminobutyric acid receptor subunit alpha-5 isoform X1
XP_003973939.1 gamma-aminobutyric acid receptor subunit alpha-5-like
XP_002667403.2 gamma-aminobutyric acid receptor subunit alpha-6
XP_003455236.1 gamma-aminobutyric acid receptor subunit alpha-6-like
XP_003431881.1 gamma-aminobutyric acid receptor subunit beta-1
XP_002664179.1 gamma-aminobutyric acid receptor subunit beta-1-like
XP_003447036.1 gamma-aminobutyric acid receptor subunit beta-2-like
XP_002667404.2 gamma-aminobutyric acid receptor subunit beta-3, partial
XP_003218852.1 gamma-aminobutyric acid receptor subunit beta-3-like
XP_002662540.1 gamma-aminobutyric acid receptor subunit beta-3-like isoform X3
XP_695300.3 gamma-aminobutyric acid receptor subunit beta-3-like isoform X2
XP_694878.5 gamma-aminobutyric acid receptor subunit beta-4, partial
XP_684047.4 gamma-aminobutyric acid receptor subunit gamma-1-like
XP_001233421.2 gamma-aminobutyric acid receptor subunit gamma-3
XP_001115799.1 gamma-aminobutyric acid receptor subunit gamma-3-like
XP_691298.4 gamma-aminobutyric acid receptor subunit pi-like
XP_002662272.2 gamma-aminobutyric acid receptor subunit rho-1-like isoform X1
XP_003204403.1 gamma-aminobutyric acid receptor subunit rho-1-like, partial
XP_003456073.1 gamma-aminobutyric acid receptor subunit rho-2
XP_419839.3 gamma-aminobutyric acid receptor subunit rho-2 isoform X2
XP_003459337.1 gamma-aminobutyric acid receptor subunit rho-2-like
XP_689576.5 gamma-aminobutyric acid receptor subunit rho-3-like
XP_003200653.1 gamma-aminobutyric acid type B receptor subunit 1
XP_003459356.1 gamma-aminobutyric acid type B receptor subunit 1-like
XP_003444086.1 gamma-aminobutyric acid type B receptor subunit 2
XP_003450819.1 gamma-butyrobetaine dioxygenase-like
XP_003456335.1 gamma-crystallin M2-like

XP_004085309.1 gamma-crystallin N-A-like
 XP_003452643.1 gamma-crystallin N-like
 XP_003439349.1 gamma-glutamyl hydrolase-like
 XP_003968989.1 gamma-glutamylcyclotransferase-like
 XP_002667883.2 gamma-glutamyltransferase 5-like
 XP_003439082.1 gamma-glutamyltransferase 7
 XP_697468.3 gamma-glutamyltranspeptidase 1-like
 XP_003200060.1 gamma-sarcoglycan-like
 XP_003198328.1 gamma-secretase-activating protein-like
 XP_003448504.1 gamma-soluble NSF attachment protein-like
 XP_003437561.1 gamma-taxilin-like
 XP_003448685.1 gamma-tubulin complex component 2-like
 XP_001364246.1 gamma-tubulin complex component 6
 XP_002667047.2 gamma-tubulin complex component 6, partial
 XP_687373.1 ganglioside-induced differentiation-associated protein 1-like 1 isoformX1
 XP_004071060.1 ganglioside-induced differentiation-associated protein 1-like 1-like
 XP_003977850.1 ganglioside-induced differentiation-associated protein 1-like 1-like isoform 2
 XP_693998.1 gap junction alpha-1 protein-like
 XP_003456636.1 gap junction alpha-3 protein-like
 XP_003962601.1 gap junction beta-3 protein-like
 XP_003446286.1 gap junction beta-4 protein-like
 XP_002666587.1 gap junction delta-2 protein-like
 XP_001336026.2 gap junction delta-4 protein-like
 XP_003971460.1 gap junction epsilon-1 protein-like
 XP_002664693.1 gap junction gamma-1 protein-like
 XP_685014.1 gap junction gamma-1 protein-like isoformX1
 XP_002662207.2 GAS2-like protein 2-like
 XP_003199491.1 gastrin/cholecystokinin-like peptide-like
 XP_695673.2 gastrin-releasing peptide receptor
 XP_693371.1 GATA-binding factor 2
 XP_001336071.1 GC-rich promoter binding protein 1-like 1
 XP_003446861.1 GC-rich sequence DNA-binding factor 1
 XP_001919595.3 GDNF family receptor alpha-1-like
 XP_694008.3 GDNF family receptor alpha-4-like
 XP_003200802.1 GDNF-inducible zinc finger protein 1-like
 XP_003457898.1 GDP-fucose protein O-fucosyltransferase 1-like
 XP_003421996.1 GDP-fucose protein O-fucosyltransferase 2
 XP_003450827.1 GDP-fucose transporter 1-like
 XP_003227704.1 GDP-L-fucose synthase-like
 XP_003198825.1 gelsolin-like
 XP_001339880.3 gem-associated protein 5
 XP_003454016.1 gem-associated protein 5-like
 XP_001921214.2 geminin coiled-coil domain-containing protein 1-like
 XP_004071669.1 GEM-interacting protein-like
 XP_003438950.1 general receptor for phosphoinositides 1-associated scaffold protein-like
 XP_696935.1 general transcription factor 3C polypeptide 4
 XP_415450.3 general transcription factor 3C polypeptide 4 isoform X2
 XP_004075073.1 general transcription factor 3C polypeptide 4-like
 XP_693575.4 general transcription factor 3C polypeptide 5
 XP_004085475.1 general transcription factor IIF subunit 1-like
 XP_004069633.1 general transcription factor IIH subunit 1-like
 XP_003453483.1 general transcription factor II-I repeat domain-containing protein 1
 XP_003198752.1 general transcription factor II-I repeat domain-containing protein 1-like
 XP_003705471.1 general transcription factor II-I repeat domain-containing protein 2A-like
 XP_003708668.1 general transcription factor II-I repeat domain-containing protein 2A-like, partial
 XP_003458436.1 general transcription factor II-I repeat domain-containing protein 2B-like
 XP_002711904.1 general transcription factor IIIC, polypeptide 1, alpha 220kDa
 XP_003227168.1 genetic suppressor element 1-like
 XP_004083600.1 gephyrin-like
 XP_003971787.1 gephyrin-like isoform 1
 XP_003971788.1 gephyrin-like isoform 2
 XP_003473230.1 geranylgeranyl transferase type-1 subunit beta
 XP_003900056.1 geranylgeranyl transferase type-1 subunit beta isoform 2
 XP_004072286.1 geranylgeranyl transferase type-1 subunit beta-like
 XP_003439801.1 geranylgeranyl transferase type-2 subunit alpha-like
 XP_003199601.1 germ cell-specific gene 1-like protein-like
 XP_003441969.1 GH3 domain-containing protein-like
 XP_003439580.1 gigaxonin
 XP_003200482.1 gigaxonin-like
 XP_002664526.1 girdin
 XP_001509508.1 girdin isoform 1
 XP_004077335.1 girdin-like
 XP_003442819.1 globoside alpha-1,3-N-acetylgalactosaminyltransferase 1-like
 XP_004068300.1 glomulin-like
 XP_687482.4 GLTSCR1-like protein-like isoform X2
 XP_693606.3 glucagon receptor-like
 XP_004080748.1 glucagon-like peptide 2 receptor-like
 XP_002665191.2 glucokinase regulatory protein-like
 XP_003734823.1 glucokinase regulatory protein-like, partial

XP_003975061.1 glucokinase-like
XP_003970486.1 glucosamine-6-phosphate isomerase 1-like
XP_684147.2 glucosamine-6-phosphate isomerase 2-like
XP_699168.3 glucose-6-phosphate 1-dehydrogenase isoform X3
XP_004070860.1 glucose-6-phosphate 1-dehydrogenase-like, partial
XP_003441654.1 glucose-6-phosphate translocase isoform 2
XP_002663666.1 glucose-6-phosphate translocase isoform X1
XP_001337269.1 glucose-dependent insulinotropic receptor-like
XP_684925.3 glucose-fructose oxidoreductase domain-containing protein 1
XP_002661358.1 glucose-induced degradation protein 4 homolog
XP_001923710.1 glucose-induced degradation protein 8 homolog isoformX1
XP_004068977.1 glucoside xylosyltransferase 2-like
XP_687471.3 glucosylceramidase-like
XP_002722331.1 glucuronidase, beta-like
XP_003976160.1 glutamate dehydrogenase 1, mitochondrial-like
XP_001508001.2 glutamate dehydrogenase 1, mitochondrial-like, partial
XP_003823179.1 glutamate dehydrogenase 2, mitochondrial-like
XP_004080625.1 glutamate dehydrogenase, mitochondrial-like
XP_003900454.1 glutamate receptor 1
XP_003458734.1 glutamate receptor 1-like
XP_004073468.1 glutamate receptor 1-like isoform 2
XP_001375131.2 glutamate receptor 2
XP_003970633.1 glutamate receptor 2-like isoform 1
XP_004086523.1 glutamate receptor 2-like isoform 2
XP_003456902.1 glutamate receptor 3-like isoform 1
XP_003971167.1 glutamate receptor 3-like isoform 2
XP_003441628.1 glutamate receptor 4-like isoform 2
XP_003441631.1 glutamate receptor 4-like isoform 5
XP_003438346.1 glutamate receptor delta-1 subunit-like
XP_003446175.1 glutamate receptor delta-2 subunit-like
XP_001333587.2 glutamate receptor ionotropic, delta-1
XP_685683.4 glutamate receptor ionotropic, delta-1-like isoform X2
XP_001924038.3 glutamate receptor ionotropic, kainate 1
XP_002665525.2 glutamate receptor ionotropic, kainate 5-like, partial
XP_002661175.2 glutamate receptor ionotropic, NMDA 2C-like
XP_001232182.2 glutamate receptor ionotropic, NMDA 3A isoform X1
XP_003446934.1 glutamate receptor, ionotropic kainate 1
XP_690040.4 glutamate receptor, ionotropic kainate 1-like
XP_683795.5 glutamate receptor, ionotropic kainate 2
XP_003362400.1 glutamate receptor, ionotropic kainate 2 isoform 2
XP_003802426.1 glutamate receptor, ionotropic kainate 2 isoform 3
XP_003454918.1 glutamate receptor, ionotropic kainate 2-like
XP_002664816.2 glutamate receptor, ionotropic kainate 3-like
XP_684512.3 glutamate receptor, ionotropic kainate 4
XP_003450917.1 glutamate receptor, ionotropic kainate 4-like
XP_003457280.1 glutamate receptor, ionotropic kainate 5-like
XP_001922281.3 glutamate receptor-interacting protein 2
XP_003210174.1 glutamate receptor-interacting protein 2-like
XP_003199097.1 glutamate receptor-interacting protein 2-like, partial
XP_001336706.1 glutamate-rich protein 1-like isoform X1
XP_003450626.1 glutamate-rich WD repeat-containing protein 1-like
XP_693171.3 glutaminase kidney isoform, mitochondrial isoform X5
XP_003438851.1 glutaminase kidney isoform, mitochondrial-like
XP_001338211.3 glutaminase liver isoform, mitochondrial-like
XP_003442362.1 glutamine and serine-rich protein 1
XP_003977915.1 glutamine and serine-rich protein 1-like
XP_002735810.1 glutamine rich 2-like, partial
XP_003228389.1 glutamine synthetase-like
XP_003642300.1 glutamine synthetase-like isoform X1
XP_003228795.1 glutamine synthetase-like, partial
XP_003437564.1 glutamine-dependent NAD(+) synthetase-like
XP_003469084.1 glutamine--fructose-6-phosphate aminotransferase
XP_003976508.1 glutamine-rich protein 1-like
XP_003502832.1 glutamine-rich protein 2-like
XP_003439051.1 glutaminyl-tRNA synthetase-like
XP_004084285.1 glutamyl aminopeptidase-like
XP_004082724.1 glutamyl-tRNA(Gln) amidotransferase subunit A, mitochondrial-like
XP_687267.2 glutamyl-tRNA(Gln) amidotransferase subunit C, mitochondrial
XP_003451262.1 glutaredoxin 3-like
XP_002664501.1 glutaredoxin domain-containing cysteine-rich protein 1-like
XP_003200947.1 glutaredoxin domain-containing cysteine-rich protein 2-like
XP_004068915.1 glutaredoxin-1-like
XP_003443112.1 glutaryl-CoA dehydrogenase, mitochondrial-like
XP_004080475.1 glutathione peroxidase 6-like
XP_003454047.1 glutathione peroxidase 7-like
XP_003452324.1 glutathione S-transferase C-terminal domain-containing protein-like
XP_004077139.1 glutathione S-transferase omega-1-like
XP_003456595.1 glutathione S-transferase theta-1
XP_003449144.1 glutathione synthetase-like

XP_004070335.1 glutathione synthetase-like isoform 2
XP_003966700.1 glycerol kinase-like
XP_003451146.1 glycerol-3-phosphate acyltransferase 2, mitochondrial-like
XP_004072202.1 glycerol-3-phosphate acyltransferase 3-like
XP_003452703.1 glycerol-3-phosphate acyltransferase 4-like
XP_001173513.3 glycerol-3-phosphate dehydrogenase 1-like
XP_003207253.1 glycerol-3-phosphate dehydrogenase 1-like protein-like
XP_003446576.1 glycerol-3-phosphate dehydrogenase, mitochondrial isoform 2
XP_004066412.1 glycerol-3-phosphate dehydrogenase, mitochondrial-like isoform 2
XP_695670.3 glycerophosphodiester phosphodiesterase domain-containing protein 1-like
XP_682806.3 glycerophosphodiester phosphodiesterase domain-containing protein 5-like
XP_689132.3 glycerophosphodiester phosphodiesterase domain-containing protein 5-like isoform X3
XP_691652.3 glycerophosphoinositol phosphodiesterase GDPD2
XP_003969919.1 glycine amidinotransferase, mitochondrial-like
XP_003446289.1 glycine N-methyltransferase-like
XP_004085005.1 glycine receptor subunit alpha-3-like
XP_003754619.1 glycine receptor subunit alpha-3-like, partial
XP_003447681.1 glycine receptor subunit alphaZ1-like
XP_003443454.1 glycine receptor subunit beta-like
XP_003933316.1 glycogen debranching enzyme isoform 1
XP_003442911.1 glycogen phosphorylase, liver form-like isoform 2
XP_003459757.1 glycogen phosphorylase, muscle form-like isoform 1
XP_004080115.1 glycogen phosphorylase, muscle form-like isoform 3
XP_003450649.1 glycogen synthase kinase-3 alpha-like
XP_003202758.1 glycogen synthase kinase-3 beta-like
XP_004082220.1 glycogenin-1-like
XP_001342223.1 glycolipid transfer protein domain-containing protein 1-like
XP_697186.1 glycolipid transfer protein-like
XP_003450555.1 glycoprotein endo-alpha-1,2-mannosidase-like protein-like
XP_692721.2 glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1-like, partial
XP_003225488.1 glycosaminoglycan xylosylkinase-like
XP_003437924.1 glycosylphosphatidylinositol anchor attachment 1 protein-like
XP_003974553.1 glycosyltransferase 1 domain-containing protein 1-like
XP_003973682.1 glycosyltransferase 8 domain-containing protein 1-like
XP_003932975.1 glycosyltransferase-like protein LARGE1 isoform 1
XP_003972672.1 glycosyltransferase-like protein LARGE1-like
XP_004082928.1 glycosyltransferase-like protein LARGE1-like isoform 1
XP_003449082.1 glycosyltransferase-like protein LARGE1-like isoform 2
XP_004071312.1 glycolipid N-tetradecanoyltransferase 1-like isoform 2
XP_692410.3 glycyl-tRNA synthetase
XP_003452251.1 glyoxylate reductase/hydroxypyruvate reductase-like
XP_001377925.1 glypican-1
XP_688014.3 glypican-3
XP_003975644.1 glypican-5-like
XP_003495293.1 glypican-6-like
XP_003197658.1 glypican-6-like, partial
XP_004079886.1 GMP reductase 2-like
XP_004015526.1 Golgi apparatus protein 1
XP_003201521.1 Golgi apparatus protein 1 isoform 2
XP_001332484.3 Golgi apparatus protein 1 isoformX1
XP_001375389.1 Golgi apparatus protein 1-like
XP_003452986.1 Golgi pH regulator-like
XP_546359.2 Golgi phosphoprotein 3
XP_004074603.1 Golgi phosphoprotein 3-like
XP_003971779.1 Golgi resident protein GCP60-like
XP_003438752.1 Golgi to ER traffic protein 4 homolog
XP_004074936.1 golgin subfamily A member 2-like
XP_001921384.3 golgin subfamily A member 4 isoform X1
XP_003972096.1 golgin subfamily A member 7B-like
XP_001920325.3 golgin subfamily B member 1 isoform X1
XP_003200511.1 Golgin subfamily B member 1-like
XP_694714.5 golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1
XP_003455053.1 golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1-like
XP_004073977.1 GON-4-like protein-like
XP_003985660.1 GPI ethanolamine phosphate transferase 2 isoform 1
XP_003199883.1 GPI ethanolamine phosphate transferase 2 isoform X1
XP_004073683.1 GPI ethanolamine phosphate transferase 2-like
XP_692445.3 GPI ethanolamine phosphate transferase 3
XP_003458421.1 GPI inositol-deacylase-like
XP_003442392.1 GPI mannosyltransferase 3-like
XP_684608.1 GPI transamidase component PIG-T isoform X3
XP_004070421.1 GPI transamidase component PIG-T-like
XP_003444386.1 GPN-loop GTPase 3-like
XP_003458137.1 G-protein coupled bile acid receptor 1-like
XP_693580.1 G-protein coupled receptor 12
XP_003452676.1 G-protein coupled receptor 124-like
XP_003986665.1 G-protein coupled receptor 126
XP_693970.1 G-protein coupled receptor 12-like
XP_002666122.1 G-protein coupled receptor 12-like isoform X1

XP_003455485.1 G-protein coupled receptor 143-like
XP_003961828.1 G-protein coupled receptor 161-like
XP_004071096.1 G-protein coupled receptor 182-like
XP_002665501.1 G-protein coupled receptor 20-like
XP_003966953.1 G-protein coupled receptor 26-like
XP_003962194.1 G-protein coupled receptor 39-like
XP_692215.3 G-protein coupled receptor 4-like
XP_002667698.2 G-protein coupled receptor 55-like
XP_004076477.1 G-protein coupled receptor 64-like
XP_003215692.1 G-protein coupled receptor 6-like
XP_003452706.1 G-protein coupled receptor 98-like
XP_003757540.1 G-protein-signaling modulator 1
XP_003455025.1 G-protein-signaling modulator 1-like
XP_003452403.1 G-protein-signaling modulator 2-like
XP_001332938.3 grainyhead-like 3 isoform X1
XP_001923763.1 grainyhead-like protein 1 homolog isoform X1
XP_683776.5 GRAM domain-containing protein 1A
XP_002665458.2 GRAM domain-containing protein 1B-like
XP_688384.4 GRAM domain-containing protein 1C isoform 1
XP_687453.2 GRAM domain-containing protein 2-like isoform 1
XP_003449102.1 GRAM domain-containing protein 3-like
XP_002666878.1 GRAM domain-containing protein 4
XP_003445122.1 GRAM domain-containing protein 4-like
XP_002831323.2 GRAM domain-containing protein 4-like, partial
XP_004071268.1 granulins-like
XP_003961515.1 granulocyte colony-stimulating factor-like
XP_002665828.1 GRB2-associated and regulator of MAPK protein-like
XP_003972460.1 GRB2-associated-binding protein 1-like
XP_692935.3 GRB2-associated-binding protein 2
XP_003418569.1 GRB2-associated-binding protein 2-like
XP_003971250.1 GRB2-associated-binding protein 3-like
XP_003447860.1 gremlin-1-like
XP_001342045.2 gremlin-2-like
XP_003442399.1 GRINL1A complex locus protein 1-like
XP_003962083.1 GRIP and coiled-coil domain-containing protein 2-like
XP_003199139.1 GRIP and coiled-coil domain-containing protein 2-like isoform X1
XP_004072734.1 group 3 secretory phospholipase A2-like
XP_003972494.1 group XIIA secretory phospholipase A2-like
XP_003201435.1 group XV phospholipase A2, partial
XP_002664516.1 group XVI phospholipase A2-like isoform 1
XP_001337468.1 growth arrest and DNA damage-inducible protein GADD45 gamma-like
XP_003446469.1 growth arrest and DNA damage-inducible proteins-interacting protein 1-like
XP_002665345.1 growth arrest-specific protein 1-like
XP_003443986.1 growth arrest-specific protein 2-like
XP_003445824.1 growth arrest-specific protein 6-like
XP_003438703.1 growth arrest-specific protein 7
XP_004071258.1 growth arrest-specific protein 7-like
XP_003800891.1 growth arrest-specific protein 8
XP_690519.3 growth factor receptor-bound protein 10
XP_002661994.2 growth factor receptor-bound protein 14-like isoform X1
XP_003201390.1 growth factor receptor-bound protein 7-like
XP_001338461.1 growth hormone secretagogue receptor type 1-like
XP_003961204.1 growth hormone-inducible transmembrane protein-like
XP_003445829.1 growth hormone-regulated TBC protein 1-A-like
XP_002662587.1 growth/differentiation factor 5-like
XP_694563.2 growth/differentiation factor 6-A
XP_001344119.1 grpE protein homolog 2, mitochondrial-like
XP_003206869.1 GTP cyclohydrolase 1-like
XP_001505346.2 GTP:AMP phosphotransferase, mitochondrial-like
XP_003214891.1 GTPase HRas-like
XP_002664921.2 GTPase IMAP family member 2-like
XP_002666654.1 GTPase IMAP family member 4-like
XP_004071995.1 GTPase IMAP family member 5-like
XP_003198045.1 GTPase IMAP family member 7-like
XP_002661284.1 GTPase IMAP family member 7-like isoform X1
XP_002664713.2 GTPase IMAP family member 8
XP_002722553.1 GTPase, IMAP family member 2-like
XP_004072575.1 GTPase-activating protein and VPS9 domain-containing protein 1-like
XP_002663210.1 GTPase-activating protein and VPS9 domain-containing protein 1-like isoform X1
XP_003449649.1 GTPase-activating Rap/Ran-GAP domain-like protein 3-like
XP_003451001.1 GTP-binding protein 10-like
XP_004071549.1 GTP-binding protein 1-like
XP_001339737.4 GTP-binding protein 2-like
XP_003438865.1 GTP-binding protein 5-like
XP_003445340.1 GTP-binding protein 8-like
XP_004067107.1 GTP-binding protein RAD-like
XP_003439804.1 GTP-binding protein REM 2-like
XP_003441519.1 GTP-binding protein Rheb-like
XP_003972065.1 GTP-binding protein Rhes-like

XP_001362106.1 GTP-binding protein SAR1a-like
 XP_003451489.1 GTP-binding protein SAR1b-like
 XP_001921389.3 guanine nucleotide exchange factor DBS
 XP_003199475.1 guanine nucleotide exchange factor DBS-like
 XP_003966474.1 guanine nucleotide exchange factor DBS-like, partial
 XP_002666814.2 guanine nucleotide exchange factor for Rab-3A-like
 XP_003440288.1 guanine nucleotide exchange factor VAV2
 XP_002666022.1 guanine nucleotide exchange factor VAV2-like
 XP_003208723.1 guanine nucleotide exchange factor VAV3-like
 XP_003361067.1 guanine nucleotide-binding protein G(i) subunit alpha-1, partial
 XP_003257143.1 guanine nucleotide-binding protein G(i) subunit alpha-2 isoform 1
 XP_001381890.1 guanine nucleotide-binding protein G(i) subunit alpha-2-like
 XP_002662464.1 guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-12-like isoform X1
 XP_004071898.1 guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-13-like
 XP_003450521.1 guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-3-like
 XP_849303.2 guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-4
 XP_003455365.1 guanine nucleotide-binding protein G(l)/G(s)/G(t) subunit beta-1-like
 XP_003971180.1 guanine nucleotide-binding protein G(l)/G(s)/G(t) subunit beta-2-like
 XP_002190186.1 guanine nucleotide-binding protein G(o) subunit alpha isoform 1
 XP_003455811.1 guanine nucleotide-binding protein G(o) subunit alpha-like
 XP_003447083.1 guanine nucleotide-binding protein G(o) subunit alpha-like isoform 2
 XP_001365136.1 guanine nucleotide-binding protein G(olf) subunit alpha isoform 1
 XP_003439880.1 guanine nucleotide-binding protein G(q) subunit alpha-like isoform 1
 XP_003439882.1 guanine nucleotide-binding protein G(q) subunit alpha-like isoform 3
 XP_001335732.1 guanine nucleotide-binding protein G(s) subunit alpha isoformX1
 XP_001511277.2 guanine nucleotide-binding protein G(s) subunit alpha-like
 XP_003444815.1 guanine nucleotide-binding protein G(s) subunit alpha-like isoform 2
 XP_003963157.1 guanine nucleotide-binding protein G(t) subunit alpha-2-like
 XP_001087455.2 guanine nucleotide-binding protein subunit alpha-12-like
 XP_003211572.1 guanine nucleotide-binding protein subunit alpha-13-like
 XP_004071948.1 guanine nucleotide-binding protein subunit alpha-13-like isoform 1
 XP_683989.2 guanine nucleotide-binding protein subunit alpha-14
 XP_003440095.1 guanine nucleotide-binding protein subunit alpha-14-like
 XP_003974268.1 guanine nucleotide-binding protein subunit beta-4-like
 XP_004070004.1 guanine nucleotide-binding protein subunit beta-5-like
 XP_003441572.1 guanine nucleotide-binding protein-like 3-like
 XP_003456938.1 guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1-like
 XP_002664027.2 guanylate cyclase 2G-like
 XP_002667138.2 guanylate cyclase soluble subunit alpha-2-like
 XP_685297.4 guanylate cyclase soluble subunit beta-2-like
 XP_002751119.2 guanylate-binding protein 6-like
 XP_003452657.1 guanylyl cyclase-activating protein 2-like
 XP_003222824.1 gypsy retrotransposon integrase-like protein 1-like
 XP_003447641.1 H(+)/Cl(-) exchange transporter 3
 XP_001923503.1 H(+)/Cl(-) exchange transporter 3 isoformX1
 XP_003978093.1 H(+)/Cl(-) exchange transporter 3-like
 XP_004079904.1 H(+)/Cl(-) exchange transporter 3-like isoform 1
 XP_003228156.1 H(+)/Cl(-) exchange transporter 5-like
 XP_003454972.1 H(+)/Cl(-) exchange transporter 7-like
 XP_001184017.2 H(+)/Cl(-) exchange transporter 7-like, partial
 XP_696744.2 H/ACA ribonucleoprotein complex non-core subunit NAF1
 XP_699949.2 h-2 class II histocompatibility antigen, A-K alpha chain
 XP_003971852.1 H2.0-like homeobox protein-like
 XP_003452339.1 hairy and enhancer of split-related protein helt-like
 XP_003200907.1 hamartin-like
 XP_003199049.1 haptoglobin-like
 XP_002721414.1 harmonin
 XP_003967436.1 harmonin-like
 XP_004068427.1 HAUS augmin-like complex subunit 5-like
 XP_001922615.1 HEAT repeat-containing protein 1-like isoform X1
 XP_003450103.1 HEAT repeat-containing protein 2
 XP_004071481.1 HEAT repeat-containing protein 2-like
 XP_001108090.2 HEAT repeat-containing protein 5A-like
 XP_001920896.2 HEAT repeat-containing protein 5B-like
 XP_001919596.3 HEAT repeat-containing protein 7A
 XP_003200251.1 HEAT repeat-containing protein 7A-like
 XP_003455054.1 heat shock 70 kDa protein 12A-like
 XP_690505.2 heat shock 70 kDa protein 4L
 XP_003446983.1 heat shock 70 kDa protein 4-like
 XP_004076161.1 heat shock 70 kDa protein 4-like isoform 2
 XP_003198158.1 heat shock 70 kDa protein-like
 XP_003820013.1 heat shock cognate 71 kDa protein
 XP_003966421.1 heat shock factor 2-binding protein-like
 XP_003456099.1 heat shock factor protein 2-like
 XP_003447131.1 heat shock factor protein 4-like
 XP_003198107.1 heat shock protein 75 kDa, mitochondrial-like
 XP_002662020.1 heat shock protein beta-1-like
 XP_003443256.1 heat-stable enterotoxin receptor-like
 XP_696628.4 heat-stable enterotoxin receptor-like isoform X2

XP_687332.3 helicase ARIP4 isoform X3
 XP_004070651.1 helicase ARIP4-like
 XP_003453645.1 helicase POLQ
 XP_003961170.1 helicase SRCAP-like
 XP_691411.3 helicase, POLQ-like
 XP_004065728.1 hematological and neurological expressed 1 protein-like
 XP_003201830.1 hematopoietic lineage cell-specific protein-like
 XP_002662572.1 hematopoietic progenitor cell antigen CD34-like
 XP_002661145.1 heme oxygenase 2-like isoform X1
 XP_003988650.1 heme transporter HRG1
 XP_003454162.1 hemicentin-1-like
 XP_004068788.1 hemK methyltransferase family member 1-like
 XP_003442123.1 hemoglobin subunit alpha-1-like
 XP_002191658.1 heparan sulfate 2-O-sulfotransferase 1
 XP_003444313.1 heparan sulfate 2-O-sulfotransferase 1-like
 XP_003970675.1 heparan sulfate glucosamine 3-O-sulfotransferase 1-like
 XP_003438607.1 heparan sulfate glucosamine 3-O-sulfotransferase 3A1-like
 XP_003976985.1 heparan sulfate glucosamine 3-O-sulfotransferase 3A1-like, partial
 XP_003450159.1 heparan sulfate glucosamine 3-O-sulfotransferase 3B1-like
 XP_003769420.1 heparan sulfate glucosamine 3-O-sulfotransferase 5
 XP_004065874.1 heparan-alpha-glucosaminide N-acetyltransferase-like
 XP_003452017.1 heparanase-2
 XP_003224324.1 hepatic leukemia factor-like
 XP_001371494.1 hepatocyte cell adhesion molecule-like
 XP_002666419.2 hepatocyte cell adhesion molecule-like isoform X1
 XP_003459195.1 hepatocyte growth factor activator-like
 XP_003449215.1 hepatocyte growth factor receptor-like
 XP_002667888.2 hepatocyte growth factor-like
 XP_003448437.1 hepatocyte growth factor-like protein
 XP_003442159.1 hepatocyte growth factor-regulated tyrosine kinase substrate-like
 XP_694209.1 hepatocyte nuclear factor 6
 XP_003509643.1 hepatoma-derived growth factor-related protein 3-like
 XP_004076369.1 hephaestin-like protein 1-like
 XP_003200043.1 hephaestin-like, partial
 XP_002737675.1 hepsin-like
 XP_003451965.1 Hermansky-Pudlak syndrome 1 protein homolog
 XP_003457406.1 Hermansky-Pudlak syndrome 3 protein
 XP_003440401.1 Hermansky-Pudlak syndrome 5 protein
 XP_004077438.1 Hermansky-Pudlak syndrome 6 protein homolog
 XP_003455225.1 heterogeneous nuclear ribonucleoprotein A/B-like
 XP_003447345.1 heterogeneous nuclear ribonucleoprotein A3 homolog 2-like
 XP_003455195.1 heterogeneous nuclear ribonucleoprotein D0-like
 XP_003454521.1 heterogeneous nuclear ribonucleoprotein H-like
 XP_003451520.1 heterogeneous nuclear ribonucleoprotein K-like
 XP_003449852.1 heterogeneous nuclear ribonucleoprotein L-like isoform 2
 XP_004075258.1 heterogeneous nuclear ribonucleoprotein L-like isoform 3
 XP_004067763.1 heterogeneous nuclear ribonucleoprotein M-like
 XP_004082303.1 heterogeneous nuclear ribonucleoprotein Q-like
 XP_004005184.1 heterogeneous nuclear ribonucleoprotein R isoform 3
 XP_003440756.1 heterogeneous nuclear ribonucleoprotein U-like
 XP_003198760.1 heterogeneous nuclear ribonucleoprotein U-like protein 1-like
 XP_003453527.1 hexaprenyldihydroxybenzoate methyltransferase, mitochondrial-like
 XP_002718613.1 hexokinase 1-like
 XP_002662013.1 hexokinase-2-like
 XP_003210709.1 hexosaminidase D-like
 XP_001337342.2 HHIP-like 1
 XP_003458208.1 HHIP-like protein 1-like
 XP_003970498.1 HIG1 domain family member 2A-like
 XP_003458250.1 high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A
 XP_413834.2 high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A isoform X3
 XP_004067024.1 high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A-like
 XP_004075574.1 high affinity cationic amino acid transporter 1-like
 XP_003199258.1 high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A
 XP_690841.1 high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A-like
 XP_700447.5 high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A-like isoform X3
 XP_001344597.1 high affinity choline transporter 1 isoform X1
 XP_003969958.1 high affinity choline transporter 1-like
 XP_003995841.1 high affinity copper uptake protein 1
 XP_697246.4 high affinity nerve growth factor receptor
 XP_003967520.1 high mobility group protein 20A-like
 XP_003445416.1 high-affinity choline transporter 1-like
 XP_001335533.3 high-affinity lysophosphatidic acid receptor
 XP_004081533.1 high-affinity lysophosphatidic acid receptor-like
 XP_001371965.1 hippocalin-like protein 1-like
 XP_004074302.1 hippocalin-like protein 4-like
 XP_002663499.2 hippocampus abundant transcript 1 protein-like
 XP_003199082.1 hippocampus abundant transcript-like protein 1-like isoform X1
 XP_003450502.1 histamine H2 receptor-like
 XP_003200969.1 histamine H3 receptor-like

XP_003444034.1 histidine ammonia-lyase-like
XP_004067023.1 histidine decarboxylase-like
XP_003441139.1 histidine protein methyltransferase 1 homolog
XP_001334761.2 histidine triad nucleotide-binding protein 3 isoform X1
XP_003219937.1 histidyl-tRNA synthetase, cytoplasmic-like
XP_003454361.1 histidyl-tRNA synthetase, cytoplasmic-like isoform 2
XP_001922732.1 histone acetyltransferase KAT2A
XP_003446838.1 histone acetyltransferase KAT5-like
XP_003446461.1 histone acetyltransferase MYST2-like isoform 3
XP_003438582.1 histone acetyltransferase p300
XP_003199646.1 histone acetyltransferase p300-like
XP_003444063.1 histone deacetylase 10-like
XP_003446565.1 histone deacetylase 11-like
XP_003453058.1 histone deacetylase 2-like
XP_004073599.1 histone deacetylase 3-like
XP_003201202.1 histone deacetylase 4-like
XP_004066799.1 histone deacetylase 4-like, partial
XP_003963049.1 histone deacetylase 7-like
XP_003228687.1 histone deacetylase 8-like
XP_004077865.1 histone deacetylase 9-B-like isoform 2
XP_002667376.2 histone deacetylase 9-B-like, partial
XP_003444326.1 histone deacetylase complex subunit SAP130-like
XP_002666735.1 histone H2B, gonadal-like isoform 1
XP_690894.2 histone H3.v1-like
XP_002743962.2 histone H3-like
XP_003770486.1 histone H4-like
XP_003448213.1 histone lysine demethylase PHF8-like
XP_003446486.1 histone-arginine methyltransferase CARM1-like
XP_003212652.1 histone-binding protein RBBP4-like
XP_003979925.1 histone-binding protein RBBP7-like, partial
XP_003969396.1 histone-lysine N-methyltransferase ASH1L-like
XP_003442093.1 histone-lysine N-methyltransferase EZH1-like
XP_003496992.1 histone-lysine N-methyltransferase EZH2 isoform 1
XP_003357368.2 histone-lysine N-methyltransferase MLL
XP_003448292.1 histone-lysine N-methyltransferase MLL2-like
XP_001919281.3 histone-lysine N-methyltransferase MLL3
XP_004079403.1 histone-lysine N-methyltransferase MLL3-like
XP_003200588.1 histone-lysine N-methyltransferase MLL4-like
XP_004085262.1 histone-lysine N-methyltransferase NSD2-like, partial
XP_001506476.1 histone-lysine N-methyltransferase NSD3 isoform 1
XP_003975059.1 histone-lysine N-methyltransferase NSD3-like
XP_003459613.1 histone-lysine N-methyltransferase PRDM9-like
XP_003422577.1 histone-lysine N-methyltransferase PRDM9-like, partial
XP_001920852.3 histone-lysine N-methyltransferase SETD1A isoform X1
XP_003453937.1 histone-lysine N-methyltransferase SETD1B-A-like
XP_003199157.1 histone-lysine N-methyltransferase SETD1B-like
XP_003200209.1 histone-lysine N-methyltransferase SETD2
XP_003200208.1 histone-lysine N-methyltransferase SETD2-like
XP_003454341.1 histone-lysine N-methyltransferase SETD7-like
XP_003418047.1 histone-lysine N-methyltransferase SUV39H1-like
XP_003458526.1 histone-lysine N-methyltransferase SUV420H1-like
XP_683890.4 histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
XP_001919781.1 histone-lysine N-methyltransferase, H3 lysine-79 specific
XP_003974099.1 histone-lysine N-methyltransferase, H3 lysine-79 specific-like
XP_001344562.4 HMG box transcription factor BBX-like
XP_003455265.1 HMG domain-containing protein 3-like
XP_004072014.1 HMG domain-containing protein 4-like
XP_695330.1 homeobox protein aristaless-like 3-like isoform X3
XP_003441731.1 homeobox protein BarH-like 2-like
XP_003501006.1 homeobox protein cut-like 1
XP_004046012.1 homeobox protein cut-like 1-like
XP_003448608.1 homeobox protein cut-like 2
XP_003226931.1 homeobox protein cut-like 2-like
XP_003969308.1 homeobox protein Dlx6a-like isoform 1
XP_003978156.1 homeobox protein EMX1-like
XP_003966514.1 homeobox protein engrailed-1-like
XP_004066744.1 homeobox protein engrailed-1-like, partial
XP_003975306.1 homeobox protein GBX-1-like
XP_003453940.1 homeobox protein goosecoid isoform B-like
XP_003459680.1 homeobox protein goosecoid-like
XP_003459198.1 homeobox protein HMX2-like
XP_003438331.1 homeobox protein HMX3-A-like
XP_001506198.2 homeobox protein homothorax-like
XP_003963116.1 homeobox protein Hox-C1 1a-like isoform 1
XP_003447419.1 homeobox protein Hox-D4a
XP_003922730.1 homeobox protein Meis1 isoform 3
XP_003442995.1 homeobox protein Meis2 isoform 1
XP_003442997.1 homeobox protein Meis2 isoform 3
XP_003977139.1 homeobox protein Mohawk-like isoform 1

XP_684924.1 homeobox protein MOX-2-like
XP_003970617.1 homeobox protein Nkx-3.2-like
XP_003979334.1 homeobox protein Nkx-6.1-like
XP_003759473.1 homeobox protein orthopedia
XP_003455154.1 homeobox protein orthopedia B-like isoform 2
XP_004077282.1 homeobox protein OTX1 B-like
XP_004065719.1 homeobox protein OTX1 B-like isoform 1
XP_003449350.1 homeobox protein otx5-like
XP_707868.2 homeobox protein PKNOX1 isoformX3
XP_003456259.1 homeobox protein PKNOX1-like
XP_004082330.1 homeobox protein SIX1-like
XP_003447647.1 homeobox protein SIX3-like
XP_003442231.1 homeobox protein unc-4 homolog
XP_003965470.1 homeobox protein vent1-like
XP_003973629.1 homeobox protein XHOX-7.1-like
XP_002667566.2 homeobox-containing protein 1 isoformX1
XP_700792.3 homeodomain-interacting protein kinase 1-like
XP_701123.5 homeodomain-interacting protein kinase 1-like isoform X2
XP_003442285.1 homeodomain-interacting protein kinase 3
XP_003977902.1 homeodomain-interacting protein kinase 3-like
XP_002755180.2 homeodomain-interacting protein kinase 3-like, partial
XP_002662151.1 homer protein homolog 1 isoform X1
XP_003458627.1 homer protein homolog 1-like
XP_004066967.1 homer protein homolog 2-like
XP_003437805.1 homer protein homolog 3-like
XP_003453361.1 HORMA domain-containing protein 1-like
XP_003440860.1 hormonally up-regulated neu tumor-associated kinase-like
XP_003200592.1 hormone-sensitive lipase isoform X1
XP_686139.5 hormone-sensitive lipase-like
XP_003973764.1 host cell factor 1-like
XP_003455759.1 host cell factor 2-like
XP_003440007.1 HRAS-like suppressor-like
XP_003443167.1 hsc70-interacting protein-like
XP_004071400.1 hsp90 co-chaperone Cdc37-like
XP_003895912.1 huntingtin-interacting protein 1 isoform 2
XP_003199441.1 huntingtin-interacting protein 1-related protein-like
XP_003453807.1 huntingtin-like
XP_002663704.2 hyaluronan and proteoglycan link protein 1
XP_003454553.1 hyaluronan and proteoglycan link protein 3-like
XP_003439740.1 hyaluronan and proteoglycan link protein 4-like
XP_003443743.1 hyaluronan synthase 2-like
XP_003449238.1 hyaluronan synthase 3
XP_003441256.1 hyaluronan-binding protein 2-like
XP_003967305.1 hyaluronidase PH-20-like
XP_687640.2 hyaluronidase-2 isoform X2
XP_004074036.1 hyccin-like
XP_001920196.2 hydrolethalus syndrome protein 1 homolog isoform X1
XP_003456626.1 hydroxyacid oxidase 2-like isoform 1
XP_003447822.1 hydroxyindole O-methyltransferase-like
XP_003439547.1 hydroxymethylglutaryl-CoA synthase, cytoplasmic-like
XP_003451421.1 hydroxysteroid 11-beta-dehydrogenase 1-like protein-like
XP_695244.5 hypothetical LOC566865
XP_001340299.1 hypothetical protein LOC100000010
XP_001340940.4 hypothetical protein LOC100000814
XP_001920675.3 hypothetical protein LOC100001114
XP_001341185.3 hypothetical protein LOC100001116
XP_001341234.1 hypothetical protein LOC100001178
XP_001341328.4 hypothetical protein LOC100001306
XP_001341347.1 hypothetical protein LOC100001326
XP_001341618.3 hypothetical protein LOC100001665
XP_001342610.4 hypothetical protein LOC100002952
XP_001342670.1 hypothetical protein LOC100003022
XP_001342933.2 hypothetical protein LOC100003341
XP_001342957.2 hypothetical protein LOC100003370
XP_001343048.1 hypothetical protein LOC100003507
XP_001343574.1 hypothetical protein LOC100004214
XP_001343650.4 hypothetical protein LOC100004316
XP_001343874.3 hypothetical protein LOC100004621
XP_001344049.2 hypothetical protein LOC100004847
XP_002666147.1 hypothetical protein LOC100004895
XP_001344153.2 hypothetical protein LOC100004990
XP_001921141.1 hypothetical protein LOC100005043
XP_001344298.1 hypothetical protein LOC100005181
XP_001344323.3 hypothetical protein LOC100005214
XP_001344438.4 hypothetical protein LOC100005357
XP_001344440.4 hypothetical protein LOC100005359
XP_001344603.2 hypothetical protein LOC100005596
XP_001344672.3 hypothetical protein LOC100005689
XP_001344878.1 hypothetical protein LOC100005990

XP_001345180.3 hypothetical protein LOC100006440
XP_003200226.1 hypothetical protein LOC100006926
XP_001345810.2 hypothetical protein LOC100007321
XP_001345932.3 hypothetical protein LOC100007493
XP_001346005.4 hypothetical protein LOC100007585
XP_003340013.1 hypothetical protein LOC100009871
XP_001362836.2 hypothetical protein LOC100010070
XP_001362926.2 hypothetical protein LOC100010122
XP_001364610.2 hypothetical protein LOC100011001
XP_001367872.2 hypothetical protein LOC100013484
XP_001365969.1 hypothetical protein LOC100015795 isoform 2
XP_001365670.2 hypothetical protein LOC100016705
XP_001371062.2 hypothetical protein LOC100017529
XP_001371662.2 hypothetical protein LOC100018428
XP_001372210.2 hypothetical protein LOC100019323
XP_001373250.2 hypothetical protein LOC100020933
XP_001373594.2 hypothetical protein LOC100021430
XP_001374347.1 hypothetical protein LOC100022527
XP_001375417.2 hypothetical protein LOC100024040
XP_001375843.2 hypothetical protein LOC100024636
XP_001376255.2 hypothetical protein LOC100025261
XP_003339978.1 hypothetical protein LOC100025417
XP_001377190.2 hypothetical protein LOC100026652
XP_001377293.2 hypothetical protein LOC100026801
XP_001377436.2 hypothetical protein LOC100027008
XP_001378843.2 hypothetical protein LOC100028945
XP_001378969.1 hypothetical protein LOC100029139
XP_001381676.2 hypothetical protein LOC100032733
XP_003200998.1 hypothetical protein LOC100034454
XP_003200676.1 hypothetical protein LOC100034497
XP_003201229.1 hypothetical protein LOC100034569
XP_003200637.1 hypothetical protein LOC100034587
XP_003200992.1 hypothetical protein LOC100034652
XP_001492653.3 hypothetical protein LOC100060291
XP_001499079.3 hypothetical protein LOC100069254
XP_001918248.1 hypothetical protein LOC100070638
XP_001504276.3 hypothetical protein LOC100071603
XP_001506816.2 hypothetical protein LOC100075301
XP_003428679.1 hypothetical protein LOC100076902
XP_001508365.2 hypothetical protein LOC100077081
XP_001508749.2 hypothetical protein LOC100077538, partial
XP_001509240.2 hypothetical protein LOC100078155
XP_001509661.2 hypothetical protein LOC100078642
XP_001510210.2 hypothetical protein LOC100079234
XP_001511596.2 hypothetical protein LOC100080736
XP_001512045.2 hypothetical protein LOC100081219
XP_003428493.1 hypothetical protein LOC100082022
XP_001513253.2 hypothetical protein LOC100082588
XP_001513255.2 hypothetical protein LOC100082590
XP_001513942.2 hypothetical protein LOC100083378
XP_001514935.2 hypothetical protein LOC100084452
XP_001514941.2 hypothetical protein LOC100084460
XP_001515189.2 hypothetical protein LOC100084750
XP_001517530.2 hypothetical protein LOC100087647
XP_003430094.1 hypothetical protein LOC100089305
XP_001518866.2 hypothetical protein LOC100089466
XP_001519686.2 hypothetical protein LOC100090600
XP_003429801.1 hypothetical protein LOC100091269
XP_001520511.2 hypothetical protein LOC100091708
XP_001520575.2 hypothetical protein LOC100091793, partial
XP_001520666.2 hypothetical protein LOC100091911
XP_001521292.2 hypothetical protein LOC100092752
XP_003430406.1 hypothetical protein LOC100092902
XP_001521564.2 hypothetical protein LOC100093119, partial
XP_001521735.2 hypothetical protein LOC100093431
XP_001606911.2 hypothetical protein LOC100123288
XP_001915819.2 hypothetical protein LOC100147600, partial
XP_001915241.1 hypothetical protein LOC100147688
XP_001922036.1 hypothetical protein LOC100148166
XP_001922780.2 hypothetical protein LOC100148318
XP_001920269.2 hypothetical protein LOC100148904
XP_001921749.3 hypothetical protein LOC100148950, partial
XP_001920316.1 hypothetical protein LOC100149090
XP_001920240.1 hypothetical protein LOC100149324
XP_001920186.3 hypothetical protein LOC100149379
XP_001921725.2 hypothetical protein LOC100149482
XP_001923553.1 hypothetical protein LOC100149576
XP_001920248.2 hypothetical protein LOC100149643
XP_001923606.1 hypothetical protein LOC100149871

XP_001923568.1 hypothetical protein LOC100149918
XP_001920945.2 hypothetical protein LOC100150385
XP_001919034.1 hypothetical protein LOC100150470
XP_001920965.3 hypothetical protein LOC100150678
XP_001920208.3 hypothetical protein LOC100150803
XP_001919415.3 hypothetical protein LOC100150811
XP_001920866.1 hypothetical protein LOC100151329
XP_001920933.3 hypothetical protein LOC100151396
XP_001922042.3 hypothetical protein LOC100151502
XP_001948722.2 hypothetical protein LOC100159668
XP_001949504.2 hypothetical protein LOC100162931
XP_002663457.1 hypothetical protein LOC100321723
XP_002663889.1 hypothetical protein LOC100329274
XP_002665420.2 hypothetical protein LOC100329316
XP_002666237.1 hypothetical protein LOC100329323
XP_002666775.2 hypothetical protein LOC100329326
XP_002661892.2 hypothetical protein LOC100329443
XP_002664475.2 hypothetical protein LOC100329524
XP_003200842.1 hypothetical protein LOC100329625
XP_003200794.1 hypothetical protein LOC100329710, partial
XP_002664513.1 hypothetical protein LOC100329764
XP_002661200.2 hypothetical protein LOC100329810
XP_002661446.1 hypothetical protein LOC100329902
XP_002662769.1 hypothetical protein LOC100330014
XP_002664429.1 hypothetical protein LOC100330019
XP_002665874.1 hypothetical protein LOC100330136, partial
XP_002666692.1 hypothetical protein LOC100330163
XP_002664058.2 hypothetical protein LOC100330253
XP_002665206.1 hypothetical protein LOC100330495
XP_002664136.2 hypothetical protein LOC100330539
XP_002666378.2 hypothetical protein LOC100330593
XP_002664137.1 hypothetical protein LOC100330611
XP_002664791.2 hypothetical protein LOC100330675
XP_002660405.2 hypothetical protein LOC100330701
XP_002664676.2 hypothetical protein LOC100330808
XP_002660724.2 hypothetical protein LOC100330837
XP_002663179.1 hypothetical protein LOC100330855
XP_002665772.1 hypothetical protein LOC100330915
XP_002664040.1 hypothetical protein LOC100330995
XP_002665973.2 hypothetical protein LOC100331032
XP_002666178.2 hypothetical protein LOC100331050
XP_002665640.2 hypothetical protein LOC100331092
XP_002666529.1 hypothetical protein LOC100331117
XP_002661222.1 hypothetical protein LOC100331287
XP_002664349.2 hypothetical protein LOC100331351
XP_002667623.1 hypothetical protein LOC100331369, partial
XP_002664089.2 hypothetical protein LOC100331399
XP_002666427.2 hypothetical protein LOC100331431
XP_003200905.1 hypothetical protein LOC100331485
XP_002660606.2 hypothetical protein LOC100331491
XP_002664887.1 hypothetical protein LOC100331542
XP_002661631.2 hypothetical protein LOC100331782
XP_002664163.2 hypothetical protein LOC100331848
XP_002666701.1 hypothetical protein LOC100332010
XP_002663863.2 hypothetical protein LOC100332160
XP_002665413.1 hypothetical protein LOC100332317
XP_002667628.2 hypothetical protein LOC100332421
XP_002663745.1 hypothetical protein LOC100332429
XP_002664005.1 hypothetical protein LOC100332430
XP_003198614.1 hypothetical protein LOC100332448
XP_003201011.1 hypothetical protein LOC100332662
XP_002664290.2 hypothetical protein LOC100332682, partial
XP_002665289.1 hypothetical protein LOC100332936
XP_002663623.1 hypothetical protein LOC100333185
XP_003197661.1 hypothetical protein LOC100333208
XP_002660799.1 hypothetical protein LOC100333220
XP_002663315.1 hypothetical protein LOC100333282
XP_002660943.2 hypothetical protein LOC100333415, partial
XP_003200649.1 hypothetical protein LOC100333514
XP_002665791.1 hypothetical protein LOC100333605
XP_002662530.1 hypothetical protein LOC100333686
XP_002664810.2 hypothetical protein LOC100333838, partial
XP_002664585.2 hypothetical protein LOC100333935, partial
XP_002666897.2 hypothetical protein LOC100333989
XP_002661651.2 hypothetical protein LOC100334110
XP_002663836.1 hypothetical protein LOC100334148
XP_003201665.1 hypothetical protein LOC100334312
XP_002664874.2 hypothetical protein LOC100334359
XP_002664539.2 hypothetical protein LOC100334441

XP_002661995.2 hypothetical protein LOC100334539
XP_002664358.2 hypothetical protein LOC100334546
XP_002665058.1 hypothetical protein LOC100334768
XP_002664939.1 hypothetical protein LOC100334900
XP_003198699.1 hypothetical protein LOC100334916
XP_002665000.2 hypothetical protein LOC100335015
XP_002805476.1 hypothetical protein LOC100426012
XP_002806171.1 hypothetical protein LOC100426569
XP_002805250.1 hypothetical protein LOC100426700
XP_002805306.1 hypothetical protein LOC100427671
XP_002915415.1 hypothetical protein LOC100469154
XP_002927145.1 hypothetical protein LOC100469703
XP_002929372.1 hypothetical protein LOC100471560
XP_002927454.1 hypothetical protein LOC100472801
XP_002922050.1 hypothetical protein LOC100473890
XP_002917672.1 hypothetical protein LOC100476633
XP_003123874.3 hypothetical protein LOC100515712, partial
XP_003132212.3 hypothetical protein LOC100515924
XP_003130577.3 hypothetical protein LOC100521858
XP_003127830.3 hypothetical protein LOC100523796
XP_003125018.3 hypothetical protein LOC100524080
XP_003125217.2 hypothetical protein LOC100524556
XP_003200418.1 hypothetical protein LOC100534701
XP_003200882.1 hypothetical protein LOC100534712
XP_003197997.1 hypothetical protein LOC100534713
XP_003200535.1 hypothetical protein LOC100534758
XP_003199358.1 hypothetical protein LOC100534768
XP_003200113.1 hypothetical protein LOC100534869
XP_003200508.1 hypothetical protein LOC100534899
XP_003201032.1 hypothetical protein LOC100534903
XP_003200246.1 hypothetical protein LOC100534969
XP_003198168.1 hypothetical protein LOC100535034
XP_003199629.1 hypothetical protein LOC100535052, partial
XP_003200544.1 hypothetical protein LOC100535066
XP_003201387.1 hypothetical protein LOC100535084
XP_003198702.1 hypothetical protein LOC100535249
XP_003201331.1 hypothetical protein LOC100535270
XP_003199802.1 hypothetical protein LOC100535278
XP_003198661.1 hypothetical protein LOC100535305
XP_003201526.1 hypothetical protein LOC100535321
XP_003199555.1 hypothetical protein LOC100535431, partial
XP_003200496.1 hypothetical protein LOC100535450
XP_003200419.1 hypothetical protein LOC100535468
XP_003197757.1 hypothetical protein LOC100535483
XP_003199773.1 hypothetical protein LOC100535494
XP_003200612.1 hypothetical protein LOC100535498
XP_003201317.1 hypothetical protein LOC100535501
XP_003198591.1 hypothetical protein LOC100535504, partial
XP_003200196.1 hypothetical protein LOC100535638
XP_003201278.1 hypothetical protein LOC100535693
XP_003199459.1 hypothetical protein LOC100535820, partial
XP_003199942.1 hypothetical protein LOC100535924
XP_003201373.1 hypothetical protein LOC100535932
XP_003198038.1 hypothetical protein LOC100535956
XP_003200350.1 hypothetical protein LOC100535969
XP_003199747.1 hypothetical protein LOC100535981
XP_003201455.1 hypothetical protein LOC100535991
XP_003198824.1 hypothetical protein LOC100536008
XP_003201528.1 hypothetical protein LOC100536029
XP_003199176.1 hypothetical protein LOC100536078
XP_003197744.1 hypothetical protein LOC100536106, partial
XP_003199767.1 hypothetical protein LOC100536193
XP_003199756.1 hypothetical protein LOC100536221
XP_003201773.1 hypothetical protein LOC100536230
XP_003201606.1 hypothetical protein LOC100536250
XP_003198837.1 hypothetical protein LOC100536253
XP_003198987.1 hypothetical protein LOC100536254
XP_003199234.1 hypothetical protein LOC100536279
XP_003201507.1 hypothetical protein LOC100536289
XP_003200856.1 hypothetical protein LOC100536309
XP_003198534.1 hypothetical protein LOC100536314
XP_003200354.1 hypothetical protein LOC100536324
XP_003201129.1 hypothetical protein LOC100536326
XP_003200213.1 hypothetical protein LOC100536339
XP_003200657.1 hypothetical protein LOC100536355
XP_003200750.1 hypothetical protein LOC100536356
XP_003201564.1 hypothetical protein LOC100536397
XP_003199757.1 hypothetical protein LOC100536404
XP_003200761.1 hypothetical protein LOC100536503

XP_003200310.1 hypothetical protein LOC100536514
XP_003201133.1 hypothetical protein LOC100536573
XP_003200378.1 hypothetical protein LOC100536616
XP_003200797.1 hypothetical protein LOC100536658
XP_003199750.1 hypothetical protein LOC100536685
XP_003200011.1 hypothetical protein LOC100536704, partial
XP_003200758.1 hypothetical protein LOC100536805
XP_003200868.1 hypothetical protein LOC100536849
XP_003200392.1 hypothetical protein LOC100536878
XP_003199614.1 hypothetical protein LOC100537056
XP_003199732.1 hypothetical protein LOC100537073
XP_003200367.1 hypothetical protein LOC100537112
XP_003199602.1 hypothetical protein LOC100537125
XP_003200089.1 hypothetical protein LOC100537129
XP_003200824.1 hypothetical protein LOC100537144
XP_003201289.1 hypothetical protein LOC100537147
XP_003200217.1 hypothetical protein LOC100537160
XP_003197993.1 hypothetical protein LOC100537165
XP_003200090.1 hypothetical protein LOC100537179
XP_003201639.1 hypothetical protein LOC100537186
XP_003199210.1 hypothetical protein LOC100537189
XP_003201378.1 hypothetical protein LOC100537211
XP_003199432.1 hypothetical protein LOC100537217
XP_003201116.1 hypothetical protein LOC100537242
XP_003198801.1 hypothetical protein LOC100537247
XP_003199605.1 hypothetical protein LOC100537266
XP_003201064.1 hypothetical protein LOC100537349
XP_003200583.1 hypothetical protein LOC100537384
XP_003201086.1 hypothetical protein LOC100537459
XP_003200936.1 hypothetical protein LOC100537609
XP_003199820.1 hypothetical protein LOC100537710
XP_003199816.1 hypothetical protein LOC100537723
XP_003201022.1 hypothetical protein LOC100537730
XP_003198256.1 hypothetical protein LOC100537740
XP_003200201.1 hypothetical protein LOC100537748
XP_003201474.1 hypothetical protein LOC100537802
XP_003199557.1 hypothetical protein LOC100537834
XP_003201336.1 hypothetical protein LOC100537913
XP_003199692.1 hypothetical protein LOC100537922
XP_003199932.1 hypothetical protein LOC100537944
XP_003200691.1 hypothetical protein LOC100537950
XP_003201761.1 hypothetical protein LOC100538052, partial
XP_003200271.1 hypothetical protein LOC100538067
XP_003199572.1 hypothetical protein LOC100538095
XP_003197739.1 hypothetical protein LOC100538131
XP_003199589.1 hypothetical protein LOC100538164
XP_003199789.1 hypothetical protein LOC100538248
XP_003197877.1 hypothetical protein LOC100538250
XP_003200014.1 hypothetical protein LOC100538298
XP_003201203.1 hypothetical protein LOC100538306
XP_003199561.1 hypothetical protein LOC100538314
XP_003201436.1 hypothetical protein LOC100538324
XP_003199670.1 hypothetical protein LOC100538338
XP_003206419.1 hypothetical protein LOC100541605
XP_003202514.1 hypothetical protein LOC100545049, partial
XP_003207001.1 hypothetical protein LOC100545788
XP_003206363.1 hypothetical protein LOC100545937
XP_003209317.1 hypothetical protein LOC100546260
XP_003207497.1 hypothetical protein LOC100547732
XP_003209742.1 hypothetical protein LOC100550505
XP_003217945.1 hypothetical protein LOC100551595
XP_003216141.1 hypothetical protein LOC100555779
XP_003224997.1 hypothetical protein LOC100556600
XP_003230290.1 hypothetical protein LOC100557797, partial
XP_003219941.1 hypothetical protein LOC100558866
XP_003221659.1 hypothetical protein LOC100559988
XP_003229473.1 hypothetical protein LOC100560411
XP_003229242.1 hypothetical protein LOC100560804
XP_003225516.1 hypothetical protein LOC100561123
XP_003225200.1 hypothetical protein LOC100563680
XP_003218089.1 hypothetical protein LOC100565037
XP_003226260.1 hypothetical protein LOC100565849
XP_003228025.1 hypothetical protein LOC100566903
XP_003219246.1 hypothetical protein LOC100567390
XP_003246964.1 hypothetical protein LOC100568990, partial
XP_003247858.1 hypothetical protein LOC100570507, partial
XP_003240318.1 hypothetical protein LOC100575042
XP_003241537.1 hypothetical protein LOC100575841
XP_003342194.1 hypothetical protein LOC100616937

XP_003340967.1 hypothetical protein LOC100617230
XP_003340863.1 hypothetical protein LOC100617363
XP_003340306.1 hypothetical protein LOC100619354
XP_003341246.1 hypothetical protein LOC100619384
XP_003355548.2 hypothetical protein LOC100622119, partial
XP_003361733.1 hypothetical protein LOC100622265
XP_003356434.2 hypothetical protein LOC100623253
XP_003355355.2 hypothetical protein LOC100626947
XP_003359535.2 hypothetical protein LOC100627320
XP_003364414.1 hypothetical protein LOC100630074
XP_003388245.1 hypothetical protein LOC100631496
XP_003391888.1 hypothetical protein LOC100632435
XP_003390320.1 hypothetical protein LOC100632719
XP_003390026.1 hypothetical protein LOC100633224
XP_003386642.1 hypothetical protein LOC100634190
XP_003385010.1 hypothetical protein LOC100635391
XP_003388051.1 hypothetical protein LOC100635572
XP_003389613.1 hypothetical protein LOC100635662
XP_003390207.1 hypothetical protein LOC100637265, partial
XP_003388433.1 hypothetical protein LOC100638560
XP_003388518.1 hypothetical protein LOC100640421
XP_003386609.1 hypothetical protein LOC100640796
XP_003386134.1 hypothetical protein LOC100640919
XP_003397126.1 hypothetical protein LOC100643575
XP_003410430.1 hypothetical protein LOC100656298
XP_003409129.1 hypothetical protein LOC100658762
XP_003413815.1 hypothetical protein LOC100659641
XP_003412484.1 hypothetical protein LOC100659919
XP_003416094.1 hypothetical protein LOC100668370
XP_003417561.1 hypothetical protein LOC100673894
XP_003423047.1 hypothetical protein LOC100674208
XP_003408597.1 hypothetical protein LOC100675087
XP_003411833.1 hypothetical protein LOC100676045
XP_003407678.1 hypothetical protein LOC100676125
XP_003413322.1 hypothetical protein LOC100676431
XP_003424282.1 hypothetical protein LOC100680020
XP_003430909.1 hypothetical protein LOC100680988
XP_003430776.1 hypothetical protein LOC100681616
XP_003442658.1 hypothetical protein LOC100689831
XP_003459911.1 hypothetical protein LOC100689988
XP_003444734.1 hypothetical protein LOC100690013
XP_003445989.1 hypothetical protein LOC100690020
XP_003440066.1 hypothetical protein LOC100690091
XP_003459034.1 hypothetical protein LOC100690156
XP_003448896.1 hypothetical protein LOC100690204
XP_003453928.1 hypothetical protein LOC100690222
XP_003459409.1 hypothetical protein LOC100690243
XP_003459560.1 hypothetical protein LOC100690246
XP_003459848.1 hypothetical protein LOC100690249
XP_003440568.1 hypothetical protein LOC100690259
XP_003444899.1 hypothetical protein LOC100690281
XP_003450882.1 hypothetical protein LOC100690310
XP_003442490.1 hypothetical protein LOC100690363
XP_003451376.1 hypothetical protein LOC100690394
XP_003460265.1 hypothetical protein LOC100690435
XP_003443302.1 hypothetical protein LOC100690453
XP_003442574.1 hypothetical protein LOC100690539
XP_003447980.1 hypothetical protein LOC100690563
XP_003450220.1 hypothetical protein LOC100690575
XP_003452947.1 hypothetical protein LOC100690590
XP_003455003.1 hypothetical protein LOC100690681
XP_003459106.1 hypothetical protein LOC100690784
XP_003459036.1 hypothetical protein LOC100690966
XP_003460267.1 hypothetical protein LOC100690978
XP_003439638.1 hypothetical protein LOC100690981
XP_003460618.1 hypothetical protein LOC100690983, partial
XP_003450063.1 hypothetical protein LOC100691112
XP_003450885.1 hypothetical protein LOC100691117
XP_003453370.1 hypothetical protein LOC100691130
XP_003438884.1 hypothetical protein LOC100691159
XP_003440395.1 hypothetical protein LOC100691168
XP_003437718.1 hypothetical protein LOC100691314
XP_003459915.1 hypothetical protein LOC100691327
XP_003444321.1 hypothetical protein LOC100691449
XP_003447158.1 hypothetical protein LOC100691541
XP_003459783.1 hypothetical protein LOC100691594
XP_003442578.1 hypothetical protein LOC100691614
XP_003457045.1 hypothetical protein LOC100691680
XP_003457234.1 hypothetical protein LOC100691682

XP_003460065.1 hypothetical protein LOC100691775
XP_003452053.1 hypothetical protein LOC100691824
XP_003458576.1 hypothetical protein LOC100691851
XP_003454762.1 hypothetical protein LOC100691941
XP_003444741.1 hypothetical protein LOC100692072
XP_003447075.1 hypothetical protein LOC100692079
XP_003455589.1 hypothetical protein LOC100692109
XP_003457794.1 hypothetical protein LOC100692388
XP_003438971.1 hypothetical protein LOC100692404
XP_003444409.1 hypothetical protein LOC100692429
XP_003448571.1 hypothetical protein LOC100692446
XP_003441407.1 hypothetical protein LOC100692600
XP_003459418.1 hypothetical protein LOC100692671
XP_003439303.1 hypothetical protein LOC100692858
XP_003447329.1 hypothetical protein LOC100692986
XP_003456968.1 hypothetical protein LOC100693115
XP_003439304.1 hypothetical protein LOC100693132
XP_003445420.1 hypothetical protein LOC100693161
XP_003452227.1 hypothetical protein LOC100693180
XP_003458895.1 hypothetical protein LOC100693210
XP_003445832.1 hypothetical protein LOC100693248
XP_003448074.1 hypothetical protein LOC100693353
XP_003454273.1 hypothetical protein LOC100693466
XP_003451471.1 hypothetical protein LOC100693548
XP_003443652.1 hypothetical protein LOC100693689
XP_003454928.1 hypothetical protein LOC100693730
XP_003457476.1 hypothetical protein LOC100693831
XP_003447908.1 hypothetical protein LOC100693880
XP_003439815.1 hypothetical protein LOC100693938
XP_003442423.1 hypothetical protein LOC100693951
XP_003451558.1 hypothetical protein LOC100693979
XP_003455596.1 hypothetical protein LOC100694001
XP_003459341.1 hypothetical protein LOC100694020
XP_003438810.1 hypothetical protein LOC100694024
XP_003442587.1 hypothetical protein LOC100694044
XP_003445422.1 hypothetical protein LOC100694239
XP_003443240.1 hypothetical protein LOC100694319
XP_003445498.1 hypothetical protein LOC100694327
XP_003456973.1 hypothetical protein LOC100694454
XP_003444417.1 hypothetical protein LOC100694501
XP_003455916.1 hypothetical protein LOC100694549
XP_003450235.1 hypothetical protein LOC100694880
XP_003459278.1 hypothetical protein LOC100694915
XP_003454522.1 hypothetical protein LOC100694973
XP_003451562.1 hypothetical protein LOC100695050
XP_003449330.1 hypothetical protein LOC100695311
XP_003452152.1 hypothetical protein LOC100695418
XP_003453461.1 hypothetical protein LOC100695593
XP_003455601.1 hypothetical protein LOC100695605, partial
XP_003439739.1 hypothetical protein LOC100695628
XP_003457483.1 hypothetical protein LOC100695698
XP_003447340.1 hypothetical protein LOC100695745
XP_003456487.1 hypothetical protein LOC100695782
XP_003452326.1 hypothetical protein LOC100695854
XP_003458741.1 hypothetical protein LOC100695883
XP_003443246.1 hypothetical protein LOC100695913
XP_003456652.1 hypothetical protein LOC100695957
XP_003460003.1 hypothetical protein LOC100695983
XP_003446506.1 hypothetical protein LOC100696004
XP_003460145.1 hypothetical protein LOC100696058
XP_003439315.1 hypothetical protein LOC100696059
XP_003440252.1 hypothetical protein LOC100696159
XP_003443247.1 hypothetical protein LOC100696172
XP_003454696.1 hypothetical protein LOC100696299
XP_003450905.1 hypothetical protein LOC100696464
XP_003452156.1 hypothetical protein LOC100696470
XP_003438407.1 hypothetical protein LOC100696503
XP_003458826.1 hypothetical protein LOC100696576, partial
XP_003459350.1 hypothetical protein LOC100696678
XP_003460357.1 hypothetical protein LOC100696686
XP_003445177.1 hypothetical protein LOC100696713
XP_003455026.1 hypothetical protein LOC100696747
XP_003443834.1 hypothetical protein LOC100696789
XP_003459351.1 hypothetical protein LOC100696944
XP_003447516.1 hypothetical protein LOC100696987
XP_003438659.1 hypothetical protein LOC100697039
XP_003440092.1 hypothetical protein LOC100697046
XP_003443835.1 hypothetical protein LOC100697055
XP_003444261.1 hypothetical protein LOC100697057

XP_003450908.1 hypothetical protein LOC100697272
XP_003457146.1 hypothetical protein LOC100697296
XP_003448428.1 hypothetical protein LOC100697429
XP_003458593.1 hypothetical protein LOC100697469
XP_003444925.1 hypothetical protein LOC100697511
XP_003449667.1 hypothetical protein LOC100697530
XP_003448090.1 hypothetical protein LOC100697610
XP_003449587.1 hypothetical protein LOC100697617
XP_003454701.1 hypothetical protein LOC100697633
XP_003442516.1 hypothetical protein LOC100697861
XP_003448761.1 hypothetical protein LOC100697881
XP_003456089.1 hypothetical protein LOC100697905
XP_003460288.1 hypothetical protein LOC100697922
XP_003452810.1 hypothetical protein LOC100697971
XP_003442188.1 hypothetical protein LOC100698035
XP_003449087.1 hypothetical protein LOC100698064
XP_003459729.1 hypothetical protein LOC100698112
XP_003441940.1 hypothetical protein LOC100698126
XP_003442517.1 hypothetical protein LOC100698127
XP_003456090.1 hypothetical protein LOC100698173
XP_003459944.1 hypothetical protein LOC100698190
XP_003459730.1 hypothetical protein LOC100698379
XP_003460011.1 hypothetical protein LOC100698383
XP_003449923.1 hypothetical protein LOC100698497
XP_003450494.1 hypothetical protein LOC100698500
XP_003445355.1 hypothetical protein LOC100698576
XP_003456092.1 hypothetical protein LOC100698705
XP_003452165.1 hypothetical protein LOC100698880
XP_003459809.1 hypothetical protein LOC100699255, partial
XP_003439165.1 hypothetical protein LOC100699258
XP_003460086.1 hypothetical protein LOC100699259
XP_003441181.1 hypothetical protein LOC100699272
XP_003455775.1 hypothetical protein LOC100699334
XP_003459443.1 hypothetical protein LOC100699446
XP_003459733.1 hypothetical protein LOC100699448
XP_003448766.1 hypothetical protein LOC100699486
XP_003455281.1 hypothetical protein LOC100699510
XP_003456582.1 hypothetical protein LOC100699517
XP_003457971.1 hypothetical protein LOC100699521
XP_003444185.1 hypothetical protein LOC100699558
XP_003458913.1 hypothetical protein LOC100699620
XP_003457742.1 hypothetical protein LOC100699704
XP_003447686.1 hypothetical protein LOC100699750
XP_003458755.1 hypothetical protein LOC100699880
XP_003438420.1 hypothetical protein LOC100699980
XP_003460089.1 hypothetical protein LOC100700068
XP_003442025.1 hypothetical protein LOC100700176
XP_003452588.1 hypothetical protein LOC100700306
XP_003457974.1 hypothetical protein LOC100700325
XP_003459661.1 hypothetical protein LOC100700434
XP_003449096.1 hypothetical protein LOC100700482
XP_003455859.1 hypothetical protein LOC100700505
XP_003447276.1 hypothetical protein LOC100700562
XP_003451752.1 hypothetical protein LOC100700580
XP_003454712.1 hypothetical protein LOC100700590
XP_003460156.1 hypothetical protein LOC100700617
XP_003443426.1 hypothetical protein LOC100700635
XP_003445523.1 hypothetical protein LOC100700642
XP_003458758.1 hypothetical protein LOC100700692
XP_003440606.1 hypothetical protein LOC100700713
XP_003441353.1 hypothetical protein LOC100700717
XP_003460020.1 hypothetical protein LOC100700797
XP_003459951.1 hypothetical protein LOC100700880
XP_003448688.1 hypothetical protein LOC100701016
XP_003449433.1 hypothetical protein LOC100701021
XP_003443849.1 hypothetical protein LOC100701085
XP_003449767.1 hypothetical protein LOC100701197
XP_003453473.1 hypothetical protein LOC100701213
XP_003453967.1 hypothetical protein LOC100701215
XP_003453073.1 hypothetical protein LOC100701304
XP_003455041.1 hypothetical protein LOC100701310
XP_003443185.1 hypothetical protein LOC100701357
XP_003450670.1 hypothetical protein LOC100701384
XP_003454715.1 hypothetical protein LOC100701403
XP_003456102.1 hypothetical protein LOC100701410
XP_003446943.1 hypothetical protein LOC100701460
XP_003447193.1 hypothetical protein LOC100701461
XP_003451006.1 hypothetical protein LOC100701476
XP_003452987.1 hypothetical protein LOC100701485

XP_003457269.1 hypothetical protein LOC100701498
XP_003454796.1 hypothetical protein LOC100701580
XP_003447279.1 hypothetical protein LOC100701644
XP_003452822.1 hypothetical protein LOC100701667
XP_003453160.1 hypothetical protein LOC100701668
XP_003443430.1 hypothetical protein LOC100701719
XP_003455374.1 hypothetical protein LOC100701766
XP_003443187.1 hypothetical protein LOC100701903
XP_003447938.1 hypothetical protein LOC100701921
XP_003444110.1 hypothetical protein LOC100701994
XP_003444607.1 hypothetical protein LOC100701997
XP_003455375.1 hypothetical protein LOC100702039
XP_003443188.1 hypothetical protein LOC100702170
XP_003460161.1 hypothetical protein LOC100702240
XP_003452907.1 hypothetical protein LOC100702295
XP_003460026.1 hypothetical protein LOC100702422
XP_003447695.1 hypothetical protein LOC100702458
XP_003450426.1 hypothetical protein LOC100702467
XP_003441615.1 hypothetical protein LOC100702612
XP_003456265.1 hypothetical protein LOC100702667
XP_003456922.1 hypothetical protein LOC100702673
XP_003457983.1 hypothetical protein LOC100702678
XP_003452826.1 hypothetical protein LOC100702748, partial
XP_003455626.1 hypothetical protein LOC100702759
XP_003458461.1 hypothetical protein LOC100702766
XP_003444610.1 hypothetical protein LOC100702798
XP_003452677.1 hypothetical protein LOC100702832
XP_003458688.1 hypothetical protein LOC100702948
XP_003444446.1 hypothetical protein LOC100703063
XP_003447858.1 hypothetical protein LOC100703079
XP_003449441.1 hypothetical protein LOC100703180
XP_003440200.1 hypothetical protein LOC100703239
XP_003442858.1 hypothetical protein LOC100703251
XP_003440356.1 hypothetical protein LOC100703323
XP_003454639.1 hypothetical protein LOC100703377
XP_003438006.1 hypothetical protein LOC100703395
XP_003445288.1 hypothetical protein LOC100703432
XP_003451763.1 hypothetical protein LOC100703554
XP_003456925.1 hypothetical protein LOC100703757
XP_003459749.1 hypothetical protein LOC100704041
XP_003455950.1 hypothetical protein LOC100704193
XP_003438010.1 hypothetical protein LOC100704480
XP_003455052.1 hypothetical protein LOC100704552
XP_003455299.1 hypothetical protein LOC100704554
XP_003451766.1 hypothetical protein LOC100704632
XP_003459821.1 hypothetical protein LOC100704661
XP_003455792.1 hypothetical protein LOC100704727
XP_003438437.1 hypothetical protein LOC100704845
XP_003444787.1 hypothetical protein LOC100704956
XP_003448370.1 hypothetical protein LOC100704970
XP_003458148.1 hypothetical protein LOC100705011
XP_003452187.1 hypothetical protein LOC100705085
XP_003458468.1 hypothetical protein LOC100705191
XP_003457834.1 hypothetical protein LOC100705274
XP_003440622.1 hypothetical protein LOC100705302
XP_003438183.1 hypothetical protein LOC100705379
XP_003451261.1 hypothetical protein LOC100705516
XP_003456521.1 hypothetical protein LOC100705536
XP_003445296.1 hypothetical protein LOC100705588
XP_003446536.1 hypothetical protein LOC100705594 isoform 2
XP_003447628.1 hypothetical protein LOC100705600
XP_003457437.1 hypothetical protein LOC100705635
XP_003460241.1 hypothetical protein LOC100705656
XP_003459381.1 hypothetical protein LOC100705725
XP_003444290.1 hypothetical protein LOC100705845
XP_003454810.1 hypothetical protein LOC100705888
XP_003457438.1 hypothetical protein LOC100705899
XP_003443201.1 hypothetical protein LOC100705931
XP_003439187.1 hypothetical protein LOC100705990
XP_003458071.1 hypothetical protein LOC100706068
XP_003437769.1 hypothetical protein LOC100706076
XP_003454234.1 hypothetical protein LOC100706154
XP_003456356.1 hypothetical protein LOC100706162
XP_003441712.1 hypothetical protein LOC100706195
XP_003444040.1 hypothetical protein LOC100706205
XP_003445457.1 hypothetical protein LOC100706276
XP_003441373.1 hypothetical protein LOC100706363
XP_003460036.1 hypothetical protein LOC100706714
XP_003443786.1 hypothetical protein LOC100706912

XP_003445301.1 hypothetical protein LOC100706919
XP_003459830.1 hypothetical protein LOC100706980
XP_003441971.1 hypothetical protein LOC100706998
XP_003452529.1 hypothetical protein LOC100707110
XP_003457606.1 hypothetical protein LOC100707133
XP_003458392.1 hypothetical protein LOC100707140
XP_003445302.1 hypothetical protein LOC100707181
XP_003458626.1 hypothetical protein LOC100707233
XP_003440546.1 hypothetical protein LOC100707256
XP_003443872.1 hypothetical protein LOC100707273
XP_003453180.1 hypothetical protein LOC100707306
XP_003439696.1 hypothetical protein LOC100707336
XP_003442552.1 hypothetical protein LOC100707526
XP_003443873.1 hypothetical protein LOC100707532
XP_003454896.1 hypothetical protein LOC100707574
XP_003459311.1 hypothetical protein LOC100707586
XP_003447552.1 hypothetical protein LOC100707724
XP_003441973.1 hypothetical protein LOC100707794
XP_003437859.1 hypothetical protein LOC100707857
XP_003459245.1 hypothetical protein LOC100707860
XP_003457844.1 hypothetical protein LOC100707942, partial
XP_003439782.1 hypothetical protein LOC100707962
XP_003447635.1 hypothetical protein LOC100707996
XP_003443875.1 hypothetical protein LOC100708071
XP_003445135.1 hypothetical protein LOC100708076
XP_003446713.1 hypothetical protein LOC100708082
XP_003448045.1 hypothetical protein LOC100708169
XP_003454161.1 hypothetical protein LOC100708199
XP_003450613.1 hypothetical protein LOC100708277
XP_003455887.1 hypothetical protein LOC100708291
XP_003455640.1 hypothetical protein LOC100708389
XP_003446967.1 hypothetical protein LOC100708435
XP_003455888.1 hypothetical protein LOC100708561
XP_003457025.1 hypothetical protein LOC100708666
XP_003442473.1 hypothetical protein LOC100708692
XP_003454657.1 hypothetical protein LOC100708738
XP_003445308.1 hypothetical protein LOC100708792
XP_003454819.1 hypothetical protein LOC100708824
XP_003450045.1 hypothetical protein LOC100708907
XP_003459171.1 hypothetical protein LOC100709030
XP_003452455.1 hypothetical protein LOC100709192
XP_003446549.1 hypothetical protein LOC100709248
XP_003449044.1 hypothetical protein LOC100709348
XP_003451615.1 hypothetical protein LOC100709355
XP_003442816.1 hypothetical protein LOC100709414
XP_003460252.1 hypothetical protein LOC100709671
XP_003459981.1 hypothetical protein LOC100709753, partial
XP_003440054.1 hypothetical protein LOC100709948
XP_003447561.1 hypothetical protein LOC100710148
XP_003445142.1 hypothetical protein LOC100710236
XP_003446973.1 hypothetical protein LOC100710320
XP_003459691.1 hypothetical protein LOC100710374
XP_003449133.1 hypothetical protein LOC100710414
XP_003440969.1 hypothetical protein LOC100710475
XP_003443547.1 hypothetical protein LOC100710486
XP_003444640.1 hypothetical protein LOC100710489
XP_003447886.1 hypothetical protein LOC100710586
XP_003459477.1 hypothetical protein LOC100710722
XP_003452773.1 hypothetical protein LOC100710793
XP_003449470.1 hypothetical protein LOC100710859
XP_003449968.1 hypothetical protein LOC100710862
XP_003453997.1 hypothetical protein LOC100710874
XP_003458795.1 hypothetical protein LOC100710897
XP_003446062.1 hypothetical protein LOC100710931
XP_003438701.1 hypothetical protein LOC100710991
XP_003452543.1 hypothetical protein LOC100711134
XP_003443886.1 hypothetical protein LOC100711289
XP_003444728.1 hypothetical protein LOC100711292
XP_003448973.1 hypothetical protein LOC100711306
XP_003457033.1 hypothetical protein LOC100711339
XP_003445476.1 hypothetical protein LOC100711378
XP_003440304.1 hypothetical protein LOC100711451
XP_003459403.1 hypothetical protein LOC100711525
XP_003445985.1 hypothetical protein LOC100711570
XP_003448974.1 hypothetical protein LOC100711578
XP_003444311.1 hypothetical protein LOC100711646
XP_003451957.1 hypothetical protein LOC100711676
XP_003454500.1 hypothetical protein LOC100711683
XP_003459404.1 hypothetical protein LOC100711796

XP_003441309.1 hypothetical protein LOC100711816
XP_003455076.1 hypothetical protein LOC100711876
XP_003449224.1 hypothetical protein LOC100711937 isoform 2
XP_003454997.1 hypothetical protein LOC100711957
XP_003445320.1 hypothetical protein LOC100712010
XP_003446812.1 hypothetical protein LOC100712013
XP_003447648.1 hypothetical protein LOC100712019
XP_003455411.1 hypothetical protein LOC100712045
XP_003456462.1 hypothetical protein LOC100712050
XP_003457704.1 hypothetical protein LOC100712234
XP_003438549.1 hypothetical protein LOC100712247
XP_003442239.1 hypothetical protein LOC100712265
XP_003450880.1 hypothetical protein LOC100712393
XP_003482777.1 hypothetical protein LOC100737809
XP_003481436.1 hypothetical protein LOC100738252
XP_003480875.1 hypothetical protein LOC100738841
XP_003492418.1 hypothetical protein LOC100744263
XP_003500514.1 hypothetical protein LOC100750964
XP_003508572.1 hypothetical protein LOC100752643
XP_003501302.1 hypothetical protein LOC100772731
XP_003503078.1 hypothetical protein LOC100774095
XP_003199551.1 hypothetical protein LOC321155
XP_002664857.1 hypothetical protein LOC323246
XP_003200230.1 hypothetical protein LOC323754, partial
XP_003200874.1 hypothetical protein LOC325170
XP_001919776.3 hypothetical protein LOC334444, partial
XP_003201532.1 hypothetical protein LOC335285
XP_001920014.3 hypothetical protein LOC335618
XP_002665919.2 hypothetical protein LOC336342
XP_001919756.3 hypothetical protein LOC337077, partial
XP_001920616.2 hypothetical protein LOC337168
XP_699984.4 hypothetical protein LOC337520
XP_002660418.1 hypothetical protein LOC337635
XP_701610.1 hypothetical protein LOC368413
XP_002663886.1 hypothetical protein LOC386940
XP_002662871.1 hypothetical protein LOC394209 isoform 1
XP_002663621.2 hypothetical protein LOC402835
XP_002665873.2 hypothetical protein LOC402866
XP_001919460.3 hypothetical protein LOC407633
XP_394519.4 hypothetical protein LOC411046
XP_394712.4 hypothetical protein LOC411238
XP_001921158.2 hypothetical protein LOC449864
XP_003200393.1 hypothetical protein LOC449979
XP_003200870.1 hypothetical protein LOC497165
XP_003201264.1 hypothetical protein LOC497177
XP_003200593.1 hypothetical protein LOC497432
XP_003201489.1 hypothetical protein LOC504116
XP_685725.2 hypothetical protein LOC552961
XP_002666522.1 hypothetical protein LOC553431
XP_001341383.1 hypothetical protein LOC553499
XP_689596.5 hypothetical protein LOC553504
XP_686400.5 hypothetical protein LOC553518
XP_682868.2 hypothetical protein LOC555305
XP_683018.2 hypothetical protein LOC555427
XP_683935.3 hypothetical protein LOC556113
XP_003199946.1 hypothetical protein LOC556124
XP_003198152.1 hypothetical protein LOC556231
XP_001919341.2 hypothetical protein LOC556561
XP_703812.2 hypothetical protein LOC556653
XP_685048.4 hypothetical protein LOC557000
XP_685155.5 hypothetical protein LOC557083
XP_003199674.1 hypothetical protein LOC557615
XP_685984.5 hypothetical protein LOC557772
XP_686060.4 hypothetical protein LOC557823
XP_686142.1 hypothetical protein LOC557896
XP_686404.3 hypothetical protein LOC558126
XP_686930.5 hypothetical protein LOC558609
XP_687262.5 hypothetical protein LOC558893
XP_687443.5 hypothetical protein LOC559049
XP_687466.4 hypothetical protein LOC559067
XP_687560.4 hypothetical protein LOC559152
XP_687790.5 hypothetical protein LOC559364
XP_001921605.2 hypothetical protein LOC559375
XP_688314.4 hypothetical protein LOC559835
XP_003200745.1 hypothetical protein LOC559994
XP_003200581.1 hypothetical protein LOC560266
XP_689141.4 hypothetical protein LOC560652
XP_689347.4 hypothetical protein LOC560856
XP_689501.2 hypothetical protein LOC561010 isoform 2

XP_689554.5 hypothetical protein LOC561062
XP_689569.2 hypothetical protein LOC561077
XP_689905.5 hypothetical protein LOC561408
XP_689927.4 hypothetical protein LOC561430
XP_689978.5 hypothetical protein LOC561486
XP_690141.2 hypothetical protein LOC561636
XP_690282.4 hypothetical protein LOC561780
XP_690436.1 hypothetical protein LOC561947
XP_001921966.3 hypothetical protein LOC561967
XP_690688.2 hypothetical protein LOC562197
XP_690733.4 hypothetical protein LOC562247
XP_690943.1 hypothetical protein LOC562472
XP_003200958.1 hypothetical protein LOC563025
XP_691594.3 hypothetical protein LOC563138
XP_691744.4 hypothetical protein LOC563288
XP_691915.4 hypothetical protein LOC563463
XP_003200989.1 hypothetical protein LOC563477
XP_691932.4 hypothetical protein LOC563478
XP_692102.4 hypothetical protein LOC563653
XP_692207.4 hypothetical protein LOC563754
XP_692234.5 hypothetical protein LOC563780, partial
XP_692242.4 hypothetical protein LOC563788
XP_692475.2 hypothetical protein LOC564023
XP_692699.3 hypothetical protein LOC564263
XP_693013.1 hypothetical protein LOC564590
XP_693489.4 hypothetical protein LOC565101
XP_693549.4 hypothetical protein LOC565172
XP_693695.4 hypothetical protein LOC565326
XP_693746.4 hypothetical protein LOC565378
XP_693814.4 hypothetical protein LOC565437
XP_003200190.1 hypothetical protein LOC565521
XP_003197742.1 hypothetical protein LOC565594
XP_693996.3 hypothetical protein LOC565630
XP_694345.5 hypothetical protein LOC565988
XP_694353.3 hypothetical protein LOC565996
XP_694444.5 hypothetical protein LOC566084
XP_694502.3 hypothetical protein LOC566140
XP_003199000.1 hypothetical protein LOC566660
XP_002664717.1 hypothetical protein LOC566825
XP_002665789.1 hypothetical protein LOC566826
XP_695219.4 hypothetical protein LOC566840
XP_695795.5 hypothetical protein LOC567408
XP_696142.4 hypothetical protein LOC567749
XP_696152.4 hypothetical protein LOC567758
XP_696437.5 hypothetical protein LOC568036
XP_002665697.2 hypothetical protein LOC568145
XP_696594.2 hypothetical protein LOC568188
XP_696616.5 hypothetical protein LOC568208
XP_696654.4 hypothetical protein LOC568241, partial
XP_697032.2 hypothetical protein LOC568604
XP_003201051.1 hypothetical protein LOC568716
XP_697364.2 hypothetical protein LOC568911
XP_697383.3 hypothetical protein LOC568932
XP_001920157.2 hypothetical protein LOC568975
XP_709669.1 hypothetical protein LOC569097 isoform 2
XP_697667.2 hypothetical protein LOC569206
XP_697757.3 hypothetical protein LOC569287
XP_697773.2 hypothetical protein LOC569303
XP_003200708.1 hypothetical protein LOC569340
XP_697863.5 hypothetical protein LOC569390
XP_697901.3 hypothetical protein LOC569425
XP_697912.5 hypothetical protein LOC569436
XP_002665660.2 hypothetical protein LOC569677, partial
XP_698304.4 hypothetical protein LOC569805
XP_698369.3 hypothetical protein LOC569866
XP_698488.5 hypothetical protein LOC569976
XP_699541.4 hypothetical protein LOC570918
XP_700068.2 hypothetical protein LOC571393
XP_698030.5 hypothetical protein LOC573741
XP_003200707.1 hypothetical protein LOC613193
XP_001083507.2 hypothetical protein LOC694332 isoform 3
XP_001108363.2 hypothetical protein LOC704526 isoform 3
XP_001100233.2 hypothetical protein LOC705975
XP_001099076.2 hypothetical protein LOC710457
XP_001104847.2 hypothetical protein LOC714870, partial
XP_001111345.2 hypothetical protein LOC718527
XP_001112634.2 hypothetical protein LOC719052
XP_001118749.2 hypothetical protein LOC722627
XP_001332199.4 hypothetical protein LOC792632

XP_001332295.4 hypothetical protein LOC792710
XP_001332352.1 hypothetical protein LOC792761
XP_001332567.3 hypothetical protein LOC792924
XP_001332576.2 hypothetical protein LOC792935
XP_001332656.1 hypothetical protein LOC793004
XP_001920303.1 hypothetical protein LOC793061
XP_001333061.3 hypothetical protein LOC793321
XP_001333236.1 hypothetical protein LOC793474
XP_001333660.3 hypothetical protein LOC793824
XP_001334195.3 hypothetical protein LOC794259
XP_001921853.2 hypothetical protein LOC794266
XP_003199182.1 hypothetical protein LOC794533
XP_001334962.2 hypothetical protein LOC794895
XP_001335082.4 hypothetical protein LOC795005
XP_001335433.1 hypothetical protein LOC795295
XP_001333737.1 hypothetical protein LOC795321 isoform 1
XP_001919064.2 hypothetical protein LOC795766
XP_001333105.1 hypothetical protein LOC795793
XP_001334616.1 hypothetical protein LOC795944
XP_001333205.1 hypothetical protein LOC796178
XP_001336586.4 hypothetical protein LOC796271
XP_001336593.4 hypothetical protein LOC796278
XP_001336823.4 hypothetical protein LOC796480
XP_003201482.1 hypothetical protein LOC796632
XP_001337382.2 hypothetical protein LOC796963
XP_001337771.1 hypothetical protein LOC797299
XP_001923872.2 hypothetical protein LOC797542
XP_001338122.3 hypothetical protein LOC797650
XP_001338418.3 hypothetical protein LOC797969
XP_001338545.1 hypothetical protein LOC798089
XP_001338697.2 hypothetical protein LOC798244
XP_001338892.2 hypothetical protein LOC798447
XP_001338900.4 hypothetical protein LOC798456
XP_001338908.4 hypothetical protein LOC798465
XP_001338985.1 hypothetical protein LOC798544
XP_001923294.3 hypothetical protein LOC798565
XP_001339375.2 hypothetical protein LOC798969
XP_001340192.1 hypothetical protein LOC799886
XP_001340219.1 hypothetical protein LOC799915
XP_003977948.1 hypoxia up-regulated protein 1-like
XP_001337610.2 hypoxia-inducible factor 1-alpha
XP_003452050.1 hypoxia-inducible factor 1-alpha inhibitor-like
XP_003457173.1 ig heavy chain Mem5-like
XP_003197940.1 ig heavy chain V-III region BUR-like
XP_003198186.1 ig heavy chain V-III region HIL-like
XP_004085558.1 Ig kappa chain V19-17-like
XP_002665586.1 ig kappa chain V-III region B6
XP_003197937.1 ig lambda chain V-VI region SUT-like
XP_001333661.1 IGF-like family receptor 1-like
XP_001921732.1 IgGfC-binding protein-like
XP_004071110.1 Ig-like V-type domain-containing protein FAM187A-like
XP_002666768.1 im:7147678 isoform X1
XP_003197942.1 immunoglobulin iota chain-like
XP_003197943.1 immunoglobulin omega chain-like
XP_003457625.1 immunoglobulin superfamily DCC subclass member 3-like
XP_001339932.4 immunoglobulin superfamily DCC subclass member 3-like, partial
XP_003454869.1 immunoglobulin superfamily member 10-like
XP_003446806.1 immunoglobulin superfamily member 11-like
XP_003933572.1 immunoglobulin superfamily member 2 isoform 3
XP_003447773.1 immunoglobulin superfamily member 21-like
XP_003214798.1 immunoglobulin superfamily member 22-like
XP_003455484.1 immunoglobulin superfamily member 3-like
XP_689709.3 immunoglobulin superfamily member 5-like isoform X2
XP_003453740.1 immunoglobulin-like and fibronectin type III domain-containing protein 1-like
XP_004081637.1 immunoglobulin-like domain-containing receptor 1-like
XP_003961833.1 immunoglobulin-like domain-containing receptor 2-like
XP_701359.4 importin subunit alpha-1-like
XP_002922987.1 importin subunit alpha-3-like
XP_003454847.1 importin subunit alpha-4
XP_850531.3 importin subunit alpha-4 isoform 2
XP_003769440.1 importin subunit alpha-6
XP_003454907.1 importin subunit alpha-6-like
XP_001923921.1 importin subunit alpha-7-like
XP_002189013.1 importin-11
XP_002665826.2 importin-13 isoform X1
XP_003439770.1 importin-13-like
XP_694685.3 importin-13-like isoform X3
XP_003442333.1 importin-7-like
XP_001376368.2 importin-8-like

XP_003454335.1 importin-9-like
XP_003218650.1 inactive carboxypeptidase-like protein X2-like
XP_002664096.2 inactive carboxypeptidase-like protein X2-like, partial
XP_003214942.1 inactive dipeptidyl peptidase 10-like
XP_003197655.1 inactive dual specificity phosphatase 27
XP_691045.2 inactive heparanase-2
XP_001062720.2 inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2-like
XP_003442207.1 inactive phospholipase C-like protein 2-like
XP_003438491.1 inactive phospholipase D5-like
XP_003442118.1 inactive rhomboid protein 1-like
XP_003448015.1 inactive rhomboid protein 2-like
XP_003204425.1 inactive serine protease 35-like
XP_003201522.1 inactive serine protease PAMR1-like
XP_003970095.1 inactive serine/threonine-protein kinase VRK3-like
XP_003441252.1 inactive tyrosine-protein kinase 7-like
XP_003452341.1 inactive ubiquitin carboxyl-terminal hydrolase 53-like
XP_003199659.1 inactive ubiquitin carboxyl-terminal hydrolase 54-like
XP_003208946.1 inaD-like protein-like
XP_003962046.1 indian hedgehog B protein-like
XP_002662616.2 inhibin beta B chain-like
XP_002667114.2 inhibin beta B chain-like, partial
XP_003975791.1 inhibin beta E chain-like
XP_003453541.1 inhibitor of Bruton tyrosine kinase
XP_003200174.1 inhibitor of Bruton tyrosine kinase-like
XP_003980578.1 inhibitor of growth protein 1 isoform 1
XP_003448762.1 inhibitor of nuclear factor kappa-B kinase subunit alpha-like
XP_003441417.1 inhibitor of nuclear factor kappa-B kinase subunit epsilon
XP_002666634.2 inner centromere protein
XP_004079973.1 INO80 complex subunit B-like
XP_003450978.1 INO80 complex subunit C-like isoform 2
XP_003447413.1 INO80 complex subunit D
XP_003430821.1 inorganic pyrophosphatase-like
XP_003967192.1 inosine-5'-monophosphate dehydrogenase 1a-like
XP_003440434.1 inosine-5'-monophosphate dehydrogenase 1-like
XP_003963056.1 inosine-5'-monophosphate dehydrogenase 2-like isoform 2
XP_003444270.1 inosine-uridine preferring nucleoside hydrolase-like
XP_003973196.1 inositol 1,4,5-trisphosphate receptor type 1-like
XP_003442839.1 inositol 1,4,5-trisphosphate receptor type 1-like isoform 1
XP_003442840.1 inositol 1,4,5-trisphosphate receptor type 1-like isoform 2
XP_004069101.1 inositol 1,4,5-trisphosphate receptor type 1-like isoform 3
XP_003973732.1 inositol 1,4,5-trisphosphate receptor type 1-like isoform 5
XP_003508046.1 inositol 1,4,5-trisphosphate receptor type 2
XP_691057.5 inositol 1,4,5-trisphosphate receptor type 2, partial
XP_003221537.1 inositol 1,4,5-trisphosphate receptor type 2-like
XP_003988559.1 inositol 1,4,5-trisphosphate receptor type 2-like, partial
XP_003220443.1 inositol 1,4,5-trisphosphate receptor type 3-like
XP_683287.5 inositol 1,4,5-trisphosphate receptor-interacting protein-like 2-like
XP_001920686.3 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1-like
XP_003223024.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like
XP_692904.2 inositol hexakisphosphate kinase 1 isoform X2
XP_001518956.1 inositol hexakisphosphate kinase 1-like, partial
XP_003406847.1 inositol monophosphatase 2-like
XP_003440444.1 inositol oxygenase-like
XP_683651.2 inositol polyphosphate 1-phosphatase-like isoform X2
XP_003446778.1 inositol polyphosphate 5-phosphatase K-like
XP_003454121.1 inositol polyphosphate multikinase-like
XP_003968811.1 inositol-tetrakisphosphate 1-kinase-like
XP_686458.2 inositol-trisphosphate 3-kinase B isoform 1
XP_691475.2 inositol-trisphosphate 3-kinase B isoform X2
XP_002664353.2 inositol-trisphosphate 3-kinase B-like
XP_002665435.2 inositol-trisphosphate 3-kinase C isoform 1
XP_003448585.1 insulin receptor
XP_001920152.3 insulin receptor substrate 1-B isoform X1
XP_687702.4 insulin receptor substrate 1-B isoform X2
XP_003200953.1 insulin receptor substrate 2-B-like
XP_004079577.1 insulin receptor-like
XP_004076039.1 insulin receptor-related protein-like
XP_001506502.2 insulin-degrading enzyme-like
XP_003441290.1 insulin-degrading enzyme-like, partial
XP_003207003.1 insulin-induced gene 1 protein-like
XP_003967106.1 insulin-like growth factor 1 receptor-like
XP_003446434.1 insulin-like growth factor 2 mRNA-binding protein 1-like
XP_001516066.2 insulin-like growth factor 2 mRNA-binding protein 2-like
XP_003447398.1 insulin-like growth factor 2 mRNA-binding protein 2-like isoform 3
XP_003438169.1 insulin-like growth factor-binding protein 1-like
XP_003457351.1 insulin-like growth factor-binding protein 3-like
XP_003455866.1 integral membrane protein 2A-like
XP_003965575.1 integral membrane protein DGCR2/IDD-like
XP_003456580.1 integral membrane protein GPR137B-like

XP_001919854.1 integral membrane protein GPR155 isoform X1
XP_003226479.1 integral membrane protein GPR155-like
XP_690622.4 integrator complex subunit 1 isoform 2
XP_003444800.1 integrator complex subunit 10-like isoform 2
XP_004070946.1 integrator complex subunit 11-like
XP_004076766.1 integrator complex subunit 2-like
XP_001923719.1 integrator complex subunit 4
XP_693062.2 integrator complex subunit 5-like
XP_003455814.1 integrator complex subunit 6-like
XP_003446345.1 integrator complex subunit 7-like
XP_003440746.1 integrator complex subunit 9-like
XP_003451032.1 integrin alpha-10
XP_003200204.1 integrin alpha-10 isoform X1
XP_004078202.1 integrin alpha-10-like
XP_004086302.1 integrin alpha-11-like
XP_004072310.1 integrin alpha-2-like
XP_002663459.2 integrin alpha-4
XP_003961722.1 integrin alpha-4-like
XP_003439128.1 integrin alpha-5-like
XP_003406270.1 integrin alpha-6
XP_001368120.1 integrin alpha-6 isoform 2
XP_003961889.1 integrin alpha-6-like
XP_003451892.1 integrin alpha-7
XP_004068810.1 integrin alpha-7-like
XP_001508582.2 integrin alpha-8
XP_003454508.1 integrin alpha-8-like
XP_003441200.1 integrin alpha-9
XP_003199805.1 integrin alpha-9-like
XP_004084847.1 integrin alpha-D-like, partial
XP_003200076.1 integrin alpha-E-like
XP_003448046.1 integrin alpha-L-like
XP_692164.4 integrin alpha-M-like
XP_004081704.1 integrin alpha-V-like
XP_002924795.1 integrin alpha-X-like
XP_003453316.1 integrin beta-1-binding protein 1-like
XP_003207037.1 integrin beta-1-like
XP_003961643.1 integrin beta-3-like
XP_004071608.1 integrin beta-3-like, partial
XP_003438556.1 integrin beta-4-like
XP_003456309.1 integrin beta-5-like
XP_003199474.1 integrin beta-6 isoform X1
XP_003939272.1 integrin beta-7
XP_001919626.3 integrin beta-8
XP_003457326.1 integrin beta-8-like
XP_003203274.1 integrin beta-like protein 1-like
XP_003449023.1 integrin-linked kinase-associated serine/threonine phosphatase 2C-like
XP_003455986.1 integrin-linked protein kinase-like
XP_693183.3 inter-alpha-trypsin inhibitor heavy chain H3-like
XP_004083330.1 inter-alpha-trypsin inhibitor heavy chain H5-like
XP_003439089.1 inter-alpha-trypsin inhibitor heavy chain H5-like protein-like
XP_003978856.1 interferon alpha-inducible protein 27-like protein 2B-like
XP_003439233.1 interferon regulatory factor 8-like
XP_695562.5 interferon-induced GTP-binding protein Mx
XP_001920731.2 interferon-induced GTP-binding protein Mx-like
XP_001336175.4 interferon-induced protein 44
XP_003197665.1 interferon-induced protein 44-like
XP_004084157.1 interferon-induced protein 44-like, partial
XP_690846.5 interferon-induced very large GTPase 1
XP_682842.1 interferon-induced very large GTPase 1-like
XP_684086.4 interferon-induced very large GTPase 1-like isoform X2
XP_004085527.1 interferon-induced very large GTPase 1-like, partial
XP_004081822.1 interferon-inducible double stranded RNA-dependent protein kinase activator A homolog A-like
XP_003230608.1 interferon-inducible GTPase 5-like
XP_003228457.1 interferon-stimulated 20 kDa exonuclease-like 2-like
XP_003455300.1 interleukin enhancer-binding factor 2 homolog
XP_003760508.1 interleukin enhancer-binding factor 3
XP_003440990.1 interleukin-1 receptor accessory protein-like 1-B-like
XP_004085650.1 interleukin-1 receptor accessory protein-like, partial
XP_004081569.1 interleukin-1 receptor type 1-like
XP_002662524.1 interleukin-12 receptor subunit beta-2-like
XP_001341726.2 interleukin-12 subunit beta-like
XP_688141.3 interleukin-17 receptor D
XP_001511685.2 interleukin-17 receptor E-like, partial
XP_003453342.1 interleukin-5 receptor subunit alpha-like
XP_690165.4 intermediate filament family orphan 1
XP_001919926.2 intermediate filament family orphan 1-like
XP_003454616.1 intermediate filament family orphan 2-like
XP_004070324.1 intermediate filament protein ON3-like
XP_687155.4 interphotoreceptor matrix proteoglycan 1-like

XP_002939390.1 intersectin-1 isoform X1
XP_003440778.1 intersectin-2-like
XP_003759004.1 intersectin-2-like, partial
XP_001374201.1 intestinal-type alkaline phosphatase 1-like
XP_001334960.2 intracellular protein transport protein USO1-like isoform X1
XP_695732.4 intraflagellar transport protein 140 homolog
XP_004091495.1 intraflagellar transport protein 20 homolog B isoform 5
XP_003787108.1 intraflagellar transport protein 43 homolog
XP_004080889.1 intraflagellar transport protein 74 homolog
XP_004055983.1 intron-binding protein aquarius, partial
XP_004082529.1 intron-binding protein aquarius-like
XP_003447864.1 inverted formin-2-like
XP_001341428.4 inward rectifier potassium channel 16-like
XP_003200214.1 inward rectifier potassium channel 2 isoform X1
XP_696511.1 iodotyrosine dehalogenase 1
XP_003444589.1 iporin-like
XP_003215233.1 IQ and AAA domain-containing protein 1-like
XP_002666923.1 IQ and ubiquitin-like domain-containing protein-like
XP_001373485.2 IQ domain-containing protein G-like
XP_001922323.3 IQ motif and SEC7 domain-containing protein 1-like isoform X1
XP_682922.3 IQ motif and SEC7 domain-containing protein 3
XP_003220875.1 IQ motif and SEC7 domain-containing protein 3-like
XP_002732097.1 IQ motif containing D-like isoform 1
XP_536318.3 IQ motif containing GTPase activating protein 2
XP_002938989.1 IQ motif containing GTPase activating protein 3 isoform X1
XP_001341791.3 iron-responsive element-binding protein 2 isoform X1
XP_003447608.1 iron-responsive element-binding protein 2-like
XP_001922511.1 iron-sulfur cluster assembly 2 homolog, mitochondrial isoform 1
XP_003443702.1 iroquois-class homeodomain protein irx-4-A-like
XP_003437585.1 iroquois-class homeodomain protein irx-5-like isoform 2
XP_004078575.1 islet cell autoantigen 1-like
XP_003966577.1 islet cell autoantigen 1-like protein-like
XP_004075393.1 isobutyryl-CoA dehydrogenase, mitochondrial-like
XP_004068708.1 isoleucine-tRNA ligase, cytoplasmic-like
XP_003210068.1 isoleucyl-tRNA synthetase, cytoplasmic-like
XP_003450277.1 isopentenyl-diphosphate Delta-isomerase 1-like
XP_003441492.1 isotocin receptor-like
XP_003453077.1 isovaleryl-CoA dehydrogenase, mitochondrial-like
XP_003200388.1 isthmin-2-like
XP_002663229.2 izumo sperm-egg fusion protein 1-like
XP_001921776.1 janus kinase and microtubule-interacting protein 2-like
XP_683768.4 janus kinase and microtubule-interacting protein 3 isoform X2
XP_003640054.1 janus kinase and microtubule-interacting protein 3-like
XP_002664097.2 janus kinase and microtubule-interacting protein 3-like isoform X1
XP_003198040.1 jmjC domain-containing protein 8-like
XP_003977481.1 JNK1/MAPK8-associated membrane protein-like
XP_004077983.1 josephin-2-like isoform 1
XP_003443050.1 joubertin-like
XP_698810.2 jun dimerization protein 2-like
XP_002665522.2 junction plakoglobin-like
XP_003764472.1 junctional adhesion molecule C
XP_003978171.1 junction-mediating and -regulatory protein-like
XP_693582.3 junctophilin-3-like
XP_001511478.2 juxtaposed with another zinc finger protein 1-like
XP_003456269.1 kalirin
XP_003763709.1 kalirin, partial
XP_003214934.1 kalirin-like
XP_003894085.1 kalirin-like, partial
XP_690835.4 kanadaplin
XP_002720794.1 karyopherin (importin) alpha 3-like
XP_002730615.1 karyopherin alpha 2-like
XP_692939.5 KAT8 regulatory NSL complex subunit 1 isoform X2
XP_002665567.1 KAT8 regulatory NSL complex subunit 1-like isoform X1
XP_003451654.1 katanin p60 ATPase-containing subunit A-like 1-like isoform 1
XP_003448354.1 kazrin-A-like
XP_003989640.1 kazrin-like
XP_003443313.1 KDEL motif-containing protein 1-like
XP_004084232.1 KDEL motif-containing protein 2-like
XP_003440579.1 kelch domain-containing protein 10-like
XP_003459598.1 kelch domain-containing protein 1-like
XP_003459599.1 kelch domain-containing protein 2-like
XP_003203715.1 kelch domain-containing protein 3-like
XP_003439484.1 kelch domain-containing protein 4-like
XP_001340052.2 kelch domain-containing protein 7A-like
XP_001334194.3 kelch domain-containing protein 8A-like
XP_001339575.1 kelch domain-containing protein 8B-like
XP_685639.4 kelch repeat and BTB domain-containing protein 11-like
XP_001337700.4 kelch repeat and BTB domain-containing protein 13-like
XP_003203523.1 kelch repeat and BTB domain-containing protein 3-like

XP_003967512.1 kelch repeat and BTB domain-containing protein 4-like
 XP_001334231.1 kelch repeat and BTB domain-containing protein 7
 XP_003199199.1 kelch-like 13-like
 XP_003813902.1 kelch-like protein 10 isoform 1
 XP_001920255.1 kelch-like protein 10-like
 XP_003460591.1 kelch-like protein 10-like, partial
 XP_003438962.1 kelch-like protein 12-like
 XP_003446908.1 kelch-like protein 13-like
 XP_003971194.1 kelch-like protein 13-like isoform 1
 XP_003437920.1 kelch-like protein 14
 XP_001334729.3 kelch-like protein 14-like
 XP_003201248.1 kelch-like protein 17 isoform X1
 XP_001097033.2 kelch-like protein 20-like
 XP_003975580.1 kelch-like protein 20-like isoform 1
 XP_003439106.1 kelch-like protein 21-like
 XP_699490.4 kelch-like protein 24-like
 XP_003447801.1 kelch-like protein 28
 XP_004082663.1 kelch-like protein 28-like
 XP_002936022.1 kelch-like protein 29
 XP_003200801.1 kelch-like protein 29-like
 XP_003443442.1 kelch-like protein 3
 XP_003444320.1 kelch-like protein 30
 XP_003973838.1 kelch-like protein 30-like
 XP_699069.5 kelch-like protein 31-like
 XP_004010440.1 kelch-like protein 33
 XP_004084359.1 kelch-like protein 33-like
 XP_690194.1 kelch-like protein 34-like
 XP_003439577.1 kelch-like protein 36-like
 XP_691797.2 kelch-like protein 38-like
 XP_696980.1 kelch-like protein 3-like
 XP_003444760.1 kelch-like protein 4
 XP_001334076.1 kelch-like protein 40 isoform 1
 XP_001922967.1 kelch-like protein 41
 XP_003452221.1 kelch-like protein 5-like
 XP_003507498.1 kelch-like protein 7-like
 XP_003451581.1 kelch-like protein 8
 XP_004078247.1 kell blood group glycoprotein-like
 XP_001342789.3 keratin, type I cytoskeletal 13
 XP_003979606.1 keratin, type I cytoskeletal 13-like
 XP_001343225.3 keratin, type I cytoskeletal 17
 XP_003444378.1 keratin, type I cytoskeletal 18-like
 XP_696736.2 keratin, type II cytoskeletal 8 isoform X2
 XP_003450936.1 keratinocyte-associated protein 2-like
 XP_004067312.1 keratinocyte-associated protein 3-like
 XP_003459738.1 ketohehexokinase-like
 XP_004071440.1 ketosamine-3-kinase-like
 XP_004086618.1 KH domain-containing, RNA-binding, signal transduction-associated protein 1-like
 XP_003215537.1 KH domain-containing, RNA-binding, signal transduction-associated protein 2-like
 XP_003199307.1 KH domain-containing, RNA-binding, signal transduction-associated protein 3-like
 XP_688605.4 KIAA0261 protein
 XP_002716071.1 KIAA1710 protein-like
 XP_003440628.1 kielin/chordin-like protein-like
 XP_003442271.1 KIF1-binding protein homolog
 XP_004077852.1 kin of IRRE-like protein 1-like
 XP_700618.4 kin of IRRE-like protein 3-like
 XP_003453313.1 kinase D-interacting substrate of 220 kDa-like
 XP_684771.4 kinase suppressor of Ras 1
 XP_003971247.1 kinase suppressor of Ras 1-like
 XP_001919049.2 kinase suppressor of Ras 2-like
 XP_700210.2 kinesin family member 13Ba isoform X4
 XP_002667565.2 kinesin family member 13Bb
 XP_002666969.1 kinesin family member 15 isoform X1
 XP_001920975.3 kinesin family member 19
 XP_002662484.2 kinesin family member 1A isoform X1
 XP_695144.3 kinesin family member 1Ab isoformX2
 XP_699380.2 kinesin family member 1C isoform X3
 XP_001920258.3 kinesin family member 21A
 XP_696034.2 kinesin family member 26Aa
 XP_002694031.1 kinesin family member 26B
 XP_001510678.2 kinesin family member 3A
 XP_696785.3 kinesin family member C3 isoform X3
 XP_003428783.1 kinesin heavy chain isoform 5C, partial
 XP_003446636.1 kinesin heavy chain isoform 5C-like
 XP_003201194.1 kinesin light chain 1-like
 XP_003978087.1 kinesin light chain 2-like isoform 1
 XP_003978088.1 kinesin light chain 2-like isoform 2
 XP_003789380.1 kinesin light chain 4
 XP_003217574.1 kinesin light chain 4-like
 XP_003441094.1 kinesin light chain 4-like isoform 1

XP_002664065.1 kinesin-1 heavy chain
XP_003454491.1 kinesin-like protein KIF13A
XP_003966230.1 kinesin-like protein KIF13A-like
XP_002665108.1 kinesin-like protein KIF13A-like, partial
XP_003794059.1 kinesin-like protein KIF13B
XP_002805344.1 kinesin-like protein KIF13B-like
XP_003974348.1 kinesin-like protein KIF14-like
XP_003453142.1 kinesin-like protein KIF15-A-like
XP_003456533.1 kinesin-like protein KIF16B
XP_003215291.1 kinesin-like protein KIF16B-like
XP_003453463.1 kinesin-like protein KIF19-like
XP_003218427.1 kinesin-like protein KIF1A-like
XP_004079297.1 kinesin-like protein KIF1A-like isoform 2
XP_003212315.1 kinesin-like protein KIF1B-like
XP_691403.5 kinesin-like protein KIF1C-like
XP_003229673.1 kinesin-like protein KIF1C-like, partial
XP_003455423.1 kinesin-like protein KIF21A
XP_699081.5 kinesin-like protein KIF21B-like
XP_003971829.1 kinesin-like protein KIF25-like
XP_690215.3 kinesin-like protein KIF26A-like
XP_003999171.1 kinesin-like protein KIF26B
XP_001506273.2 kinesin-like protein KIF2A-like
XP_003216286.1 kinesin-like protein KIF2A-like isoform 2
XP_003404795.1 kinesin-like protein KIF3A-like
XP_002661420.2 kinesin-like protein KIF3C-like
XP_002665827.2 kinesin-like protein KIF3C-like, partial
XP_003216102.1 kinesin-like protein KIF6-like
XP_003437793.1 kinesin-like protein KIFC3-like
XP_003451747.1 kinetochore-associated protein 1
XP_003198769.1 kinetochore-associated protein 1-like
XP_001923648.1 kinetochore-associated protein DSN1 homolog isoform 1
XP_690797.3 klotho-like
XP_003441196.1 KLRAQ motif-containing protein 1
XP_002662116.2 KN motif and ankyrin repeat domain-containing protein 1 isoform X1
XP_003975817.1 KN motif and ankyrin repeat domain-containing protein 2-like
XP_003969410.1 krev interaction trapped protein 1-like
XP_004081500.1 Krueppel-like factor 12-like
XP_684045.1 Krueppel-like factor 15-like
XP_003409480.1 Krueppel-like factor 5
XP_001505429.2 Krueppel-like factor 8-like
XP_688525.5 Kruppel-like factor 5b
XP_004082659.1 kunitz-type protease inhibitor 1-like
XP_003441134.1 Kv channel-interacting protein 2-like
XP_001369648.1 Kv channel-interacting protein 2-like isoform 7
XP_003967016.1 Kv channel-interacting protein 4-like
XP_003446632.1 kynureninase-like
XP_003441289.1 kynurenine 3-monoxygenase-like
XP_003972122.1 kynurenine formamidase-like, partial
XP_003447590.1 kynurenine/alpha-aminoadipate aminotransferase, mitochondrial-like
XP_004074592.1 kynurenine--oxoglutarate transaminase 1-like
XP_001335312.1 kyphoscoliosis peptidase
XP_004082781.1 kyphoscoliosis peptidase-like
XP_003442906.1 l-2-hydroxyglutarate dehydrogenase, mitochondrial-like
XP_001919421.1 lactase domain-containing protein 1
XP_003452644.1 lactase-like protein-like
XP_687506.4 lactase-phlorizin hydrolase
XP_003449916.1 lactation elevated protein 1 homolog B-like
XP_003443034.1 lactation elevated protein 1-like
XP_003201207.1 laforin-like
XP_003453074.1 lamin-B receptor-like
XP_003782279.1 lamin-B1
XP_004083591.1 laminin subunit alpha-2-like
XP_003585215.1 laminin subunit alpha-2-like, partial
XP_001365508.2 laminin subunit alpha-3
XP_003205044.1 laminin subunit alpha-3-like
XP_003453060.1 laminin subunit alpha-4
XP_003977819.1 laminin subunit alpha-4-like
XP_003446085.1 laminin subunit alpha-5
XP_004086428.1 laminin subunit alpha-5-like
XP_003457017.1 laminin subunit beta-1-like
XP_003457016.1 laminin subunit beta-2-like
XP_003973107.1 laminin subunit beta-3-like
XP_003460114.1 laminin subunit beta-4-like, partial
XP_003208579.1 laminin subunit gamma-1-like
XP_004078971.1 laminin subunit gamma-2-like
XP_003200080.1 L-amino-acid oxidase
XP_003457651.1 L-amino-acid oxidase-like
XP_004075792.1 L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase-like
XP_003782861.1 lanosterol 14-alpha demethylase-like

XP_003458413.1 lanosterol synthase isoform 1
XP_004081871.1 lanosterol synthase-like
XP_001920902.3 la-related protein 1
XP_696560.3 la-related protein 1 isoform X2
XP_002666538.2 la-related protein 4, partial
XP_003963240.1 la-related protein 4-like
XP_696696.4 la-related protein 4-like isoform X3
XP_003437724.1 la-related protein 6-like
XP_003459113.1 la-related protein 7-like
XP_001379997.2 large neutral amino acids transporter small subunit 2-like
XP_003444748.1 large neutral amino acids transporter small subunit 3-like
XP_003456366.1 large neutral amino acids transporter small subunit 4-like
XP_003968757.1 large neutral amino acids transporter small subunit 4-like isoform 2
XP_004078541.1 large proline-rich protein BAG6-like
XP_699140.3 l-asparaginase
XP_003441046.1 L-asparaginase-like
XP_003439232.1 late secretory pathway protein AVL9 homolog
XP_002709818.1 latent transforming growth factor beta binding protein 1, partial
XP_002934503.1 latent-transforming growth factor beta-binding protein 1 isoform X1
XP_690670.4 latent-transforming growth factor beta-binding protein 1, partial
XP_003502542.1 latent-transforming growth factor beta-binding protein 1-like
XP_002665469.2 latent-transforming growth factor beta-binding protein 1-like, partial
XP_003214496.1 latent-transforming growth factor beta-binding protein 2-like
XP_002667678.2 latent-transforming growth factor beta-binding protein 2-like, partial
XP_003446835.1 latent-transforming growth factor beta-binding protein 3
XP_003971302.1 latent-transforming growth factor beta-binding protein 3-like
XP_004075233.1 latent-transforming growth factor beta-binding protein 4-like
XP_003453777.1 lathosterol oxidase-like
XP_003442018.1 latrophilin-1-like
XP_002663750.2 latrophilin-2
XP_004002178.1 latrophilin-2 isoform 23
XP_003437923.1 latrophilin-2-like
XP_003798237.1 latrophilin-3
XP_003450388.1 latrophilin-3-like
XP_696265.3 layilin
XP_003446798.1 layilin-like
XP_004081828.1 L-dopachrome tautomerase-like
XP_001919911.1 Lebercilin
XP_001371010.2 lebercilin-like protein-like
XP_001342183.4 leiomodlin-1
XP_001335496.3 leiomodlin-1-like
XP_003201226.1 leiomodlin-3
XP_004085170.1 lens fiber major intrinsic protein-like
XP_003766571.1 lens fiber membrane intrinsic protein
XP_003449101.1 lens fiber membrane intrinsic protein-like
XP_002666454.1 lethal(3)malignant brain tumor-like protein 1
XP_003226349.1 lethal(3)malignant brain tumor-like protein 1-like
XP_003979360.1 lethal(3)malignant brain tumor-like protein 1-like, partial
XP_688020.4 lethal(3)malignant brain tumor-like protein 3-like
XP_003760093.1 lethal(3)malignant brain tumor-like protein 4, partial
XP_003962899.1 LETM1 and EF-hand domain-containing protein 1, mitochondrial-like
XP_001339387.1 LETM1 domain-containing protein LETM2, mitochondrial
XP_003974458.1 leucine rich adaptor protein 1-like
XP_693354.3 leucine rich repeat and Ig domain containing 1a, partial
XP_001919207.1 leucine rich repeat and Ig domain containing 3
XP_002737242.1 leucine rich repeat containing 7-like
XP_686927.3 leucine zipper protein 1
XP_001344522.4 leucine zipper putative tumor suppressor 2 homolog
XP_697750.3 leucine zipper putative tumor suppressor 2 homolog isoform X2
XP_003257023.2 leucine zipper transcription factor-like protein 1 isoform 2
XP_003438484.1 leucine-rich PPR motif-containing protein, mitochondrial-like
XP_689376.3 leucine-rich repeat and calponin homology domain-containing protein 1 isoform X7
XP_003203394.1 leucine-rich repeat and calponin homology domain-containing protein 1-like
XP_003446833.1 leucine-rich repeat and calponin homology domain-containing protein 2
XP_003200463.1 leucine-rich repeat and calponin homology domain-containing protein 3
XP_003199055.1 leucine-rich repeat and calponin homology domain-containing protein 4 isoform X1
XP_690381.2 leucine-rich repeat and coiled-coil domain-containing protein 1
XP_003975450.1 leucine-rich repeat and coiled-coil domain-containing protein 1-like
XP_699677.4 leucine-rich repeat and death domain-containing protein
XP_003455107.1 leucine-rich repeat and fibronectin type III domain-containing protein 1-like
XP_002667490.2 leucine-rich repeat and fibronectin type III domain-containing protein 1-like protein-like
XP_686794.3 leucine-rich repeat and fibronectin type-III domain-containing protein 2-like
XP_003978837.1 leucine-rich repeat and fibronectin type-III domain-containing protein 4-like
XP_683575.2 leucine-rich repeat and fibronectin type-III domain-containing protein 5
XP_001337163.3 leucine-rich repeat and fibronectin type-III domain-containing protein 6-like, partial
XP_003445053.1 leucine-rich repeat and guanylate kinase domain-containing protein-like
XP_003200492.1 leucine-rich repeat and IQ domain-containing protein 1
XP_003411181.1 leucine-rich repeat and IQ domain-containing protein 3
XP_001923104.1 leucine-rich repeat and transmembrane domain-containing protein 2 isoform X1

XP_003453770.1 leucine-rich repeat and WD repeat-containing protein 1-like
 XP_003441682.1 leucine-rich repeat and WD repeat-containing protein KIAA1239-like
 XP_002666484.2 leucine-rich repeat containing G protein-coupled receptor 6
 XP_534615.2 leucine-rich repeat flightless-interacting protein 2
 XP_003992307.1 leucine-rich repeat flightless-interacting protein 2 isoform 1
 XP_003441100.1 leucine-rich repeat flightless-interacting protein 2-like
 XP_003199104.1 leucine-rich repeat neuronal protein 1
 XP_686312.1 leucine-rich repeat neuronal protein 2-like
 XP_003201600.1 leucine-rich repeat neuronal protein 3-like
 XP_693173.5 leucine-rich repeat neuronal protein 4-like
 XP_003453288.1 leucine-rich repeat protein 1-like
 XP_001489911.1 leucine-rich repeat serine/threonine-protein kinase 1
 XP_003460136.1 leucine-rich repeat serine/threonine-protein kinase 1-like
 XP_003197743.1 leucine-rich repeat transmembrane neuronal protein 1
 XP_003201382.1 leucine-rich repeat transmembrane neuronal protein 2-like
 XP_692159.4 leucine-rich repeat transmembrane neuronal protein 4
 XP_003198770.1 leucine-rich repeat transmembrane protein FLRT1
 XP_003200389.1 leucine-rich repeat transmembrane protein FLRT2-like
 XP_003445793.1 leucine-rich repeat-containing G-protein coupled receptor 4
 XP_001338775.1 leucine-rich repeat-containing protein 10B-like
 XP_004074424.1 leucine-rich repeat-containing protein 14B-like
 XP_698357.3 leucine-rich repeat-containing protein 14-like
 XP_692401.1 leucine-rich repeat-containing protein 15-like
 XP_003434241.1 leucine-rich repeat-containing protein 16A isoform 1
 XP_003502237.1 leucine-rich repeat-containing protein 16A isoform 2
 XP_003443750.1 leucine-rich repeat-containing protein 16A-like
 XP_003219786.1 leucine-rich repeat-containing protein 16A-like isoform 1
 XP_003439802.1 leucine-rich repeat-containing protein 16B-like
 XP_003976275.1 leucine-rich repeat-containing protein 16B-like, partial
 XP_003339802.1 leucine-rich repeat-containing protein 16C
 XP_003209745.1 leucine-rich repeat-containing protein 16C-like
 XP_001333128.4 leucine-rich repeat-containing protein 19-like
 XP_694151.2 leucine-rich repeat-containing protein 24
 XP_003448880.1 leucine-rich repeat-containing protein 24-like
 XP_683234.5 leucine-rich repeat-containing protein 28 isoform X3
 XP_003201480.1 leucine-rich repeat-containing protein 29-like
 XP_003448567.1 leucine-rich repeat-containing protein 30-like
 XP_684205.1 leucine-rich repeat-containing protein 31-like isoform X2
 XP_001919301.3 leucine-rich repeat-containing protein 34
 XP_696341.2 leucine-rich repeat-containing protein 38
 XP_700419.2 leucine-rich repeat-containing protein 3B
 XP_002667346.1 leucine-rich repeat-containing protein 41-like
 XP_002663924.1 leucine-rich repeat-containing protein 45
 XP_003996393.1 leucine-rich repeat-containing protein 48
 XP_002128801.1 leucine-rich repeat-containing protein 48-like
 XP_003437723.1 leucine-rich repeat-containing protein 49-like
 XP_003201401.1 leucine-rich repeat-containing protein 4B
 XP_003442573.1 leucine-rich repeat-containing protein 4B-like
 XP_692888.2 leucine-rich repeat-containing protein 4C
 XP_004068325.1 leucine-rich repeat-containing protein 52-like
 XP_692700.5 leucine-rich repeat-containing protein 56-like
 XP_003452991.1 leucine-rich repeat-containing protein 58-like
 XP_685872.2 leucine-rich repeat-containing protein 58-like isoform 1
 XP_003967492.1 leucine-rich repeat-containing protein 61-like
 XP_003200541.1 leucine-rich repeat-containing protein 68
 XP_003456248.1 leucine-rich repeat-containing protein 68-like
 XP_001379482.2 leucine-rich repeat-containing protein 7
 XP_003969395.1 leucine-rich repeat-containing protein 71-like
 XP_003963975.1 leucine-rich repeat-containing protein 73-like
 XP_699375.3 leucine-rich repeat-containing protein 73-like isoform X3
 XP_004068131.1 leucine-rich repeat-containing protein 7-like
 XP_686175.1 leucine-rich repeat-containing protein 8A isoform X2
 XP_004074600.1 leucine-rich repeat-containing protein 8A-like
 XP_001507038.1 leucine-rich repeat-containing protein 8B
 XP_001919381.1 leucine-rich repeat-containing protein 8C
 XP_003972642.1 leucine-rich repeat-containing protein 8E-like
 XP_004082599.1 leucine-rich repeat-containing protein 9-like
 XP_003223195.1 leucine-rich repeat-containing protein C10orf11 homolog
 XP_003445701.1 leucine-rich repeat-containing protein C17orf76-like
 XP_691393.2 leucine-rich repeat-containing protein FAM211A-like
 XP_001344236.1 leucine-rich repeat-containing protein LOC400891-like
 XP_002741287.1 leucine-rich repeats and guanylate kinase domain containing-like
 XP_688817.3 leucine-rich repeats and immunoglobulin-like domains 1
 XP_003442807.1 leucine-rich repeats and immunoglobulin-like domains protein 1-like
 XP_003445144.1 leucine-rich repeats and immunoglobulin-like domains protein 3
 XP_698279.5 leucine-tRNA ligase, cytoplasmic, partial
 XP_004076282.1 leucine-tRNA ligase, cytoplasmic-like
 XP_003451723.1 leucyl-cystinyl aminopeptidase-like
 XP_003439754.1 leukemia inhibitory factor receptor-like

XP_001923860.1 leukemia NUP98 fusion partner 1-like
 XP_003453341.1 leukocyte cell-derived chemotaxin 1-like
 XP_004084996.1 leukotriene A-4 hydrolase-like
 XP_001341456.3 leukotriene B4 receptor 1-like
 XP_003199915.1 leukotriene C4 synthase-like
 XP_002828891.1 leukotriene-B(4) omega-hydroxylase 1-like, partial
 XP_003456055.1 leukotriene-B(4) omega-hydroxylase 2-like
 XP_003439549.1 L-fucose kinase, partial
 XP_004070199.1 L-fucose kinase-like
 XP_004081737.1 LIM and senescent cell antigen-like-containing domain protein 1-like
 XP_003442055.1 LIM and SH3 domain protein 1-like
 XP_002663732.2 LIM domain and actin-binding protein 1 isoform X1
 XP_004045628.1 LIM domain kinase 1
 XP_003458655.1 LIM domain kinase 1-like
 XP_003451625.1 LIM domain only protein 7-like
 XP_003453820.1 LIM domain-binding protein 1-like
 XP_004086564.1 LIM domain-binding protein 2-like
 XP_003441804.1 LIM domain-binding protein 3-like isoform 2
 XP_004080509.1 LIM domain-binding protein 3-like isoform 3
 XP_691259.5 LIM domain-containing protein 1-like isoform X2
 XP_688621.1 LIM domain-containing protein 2-like
 XP_701366.4 LIM domain-containing protein ajuba
 XP_003440078.1 LIM homeobox transcription factor 1-alpha-like
 XP_003453609.1 LIM/homeobox protein Lhx1-like
 XP_004068425.1 LIM/homeobox protein Lhx4-like
 XP_003455174.1 LIM/homeobox protein Lhx5-like
 XP_004070754.1 limb region 1 homolog-like protein-like
 XP_004081161.1 limb region 1 protein homolog isoform 2
 XP_003449349.1 limbic system-associated membrane protein-like
 XP_003441450.1 limbic-like
 XP_003453850.1 limkain-b1-like
 XP_003199751.1 LINE-1 type transposase domain-containing protein 1-like
 XP_001342691.1 lipase member H-like
 XP_003444413.1 lipid phosphate phosphatase-related protein type 1-like
 XP_698710.2 lipid phosphate phosphatase-related protein type 3-like isoform X2
 XP_001921948.2 lipid phosphate phosphatase-related protein type 4 isoform X1
 XP_700432.3 lipid phosphate phosphatase-related protein type 4-like
 XP_700147.3 lipid phosphate phosphatase-related protein type 5-like isoform X2
 XP_697507.5 lipid phosphate phosphohydrolase 1 isoform X2
 XP_001334589.3 lipid phosphate phosphohydrolase 1-like
 XP_003974209.1 lipid phosphate phosphohydrolase 2-like
 XP_001919561.1 lipid phosphate phosphohydrolase 3 isoform 1
 XP_003964788.1 lipid phosphate phosphohydrolase 3-like
 XP_003439955.1 lipid phosphate phosphohydrolase 3-like isoform 1
 XP_004074552.1 lipoma HMGIC fusion partner-like 2 protein-like
 XP_003452083.1 lipoma HMGIC fusion partner-like 3 protein-like
 XP_003209180.1 lipoma-preferred partner homolog
 XP_003458921.1 lipoma-preferred partner-like
 XP_003449762.1 lipopolysaccharide-responsive and beige-like anchor protein-like
 XP_003205485.1 lipopolysaccharide-responsive and beige-like anchor protein-like, partial
 XP_001920748.3 lipoxygenase homology domain-containing protein 1-like
 XP_003452100.1 liprin-alpha-2-like isoform 2
 XP_003972766.1 liprin-alpha-2-like isoform 3
 XP_004069317.1 liprin-alpha-4-like
 XP_002665377.1 liprin-beta-1 isoform 2
 XP_002665376.1 liprin-beta-1 isoformX1
 XP_003221529.1 liprin-beta-1-like
 XP_003439620.1 liprin-beta-2-like
 XP_003449092.1 lisH domain-containing protein ARMC9
 XP_002666420.2 lisH domain-containing protein ARMC9-like
 XP_004071385.1 LITAF-like protein-like
 XP_004074013.1 LIX1-like protein-like
 XP_004085319.1 LMBR1 domain-containing protein 2-B-like
 XP_689262.3 LON peptidase N-terminal domain and RING finger protein 1-like
 XP_003454965.1 LON peptidase N-terminal domain and RING finger protein 2
 XP_003962265.1 LON peptidase N-terminal domain and RING finger protein 2-like
 XP_003439497.1 lon protease homolog 2, peroxisomal-like
 XP_004069805.1 lon protease homolog 2, peroxisomal-like isoform 2
 XP_003355871.2 lon protease homolog 2, peroxisomal-like, partial
 XP_691712.4 lon protease homolog, mitochondrial
 XP_003938878.1 lon protease homolog, mitochondrial isoform 1
 XP_001506549.2 lon protease homolog, mitochondrial, partial
 XP_003442147.1 long-chain fatty acid transport protein 1-like
 XP_003444401.1 long-chain fatty acid transport protein 4-like
 XP_697337.3 long-chain fatty acid transport protein 6-like isoform 2
 XP_003199367.1 long-chain fatty acid transport protein 6-like isoformX1
 XP_003452687.1 long-chain-fatty-acid--CoA ligase 1-like
 XP_003452292.1 long-chain-fatty-acid--CoA ligase 1-like isoform 1
 XP_003452293.1 long-chain-fatty-acid--CoA ligase 1-like isoform 2

XP_003223418.1 long-chain-fatty-acid--CoA ligase 4-like
XP_004076149.1 long-chain-fatty-acid--CoA ligase 6-like isoform 2
XP_001344904.2 long-chain-fatty-acid--CoA ligase ACSBG1-like
XP_004072167.1 long-chain-fatty-acid--CoA ligase ACSBG2-like
XP_002712213.1 longevity assurance homolog 6
XP_004073567.1 low affinity cationic amino acid transporter 2-like
XP_003221671.1 low affinity cationic amino acid transporter 2-like isoform 1
XP_003440578.1 low affinity vacuolar monovalent cation/H(+) antiporter-like
XP_004082445.1 low density lipoprotein receptor adapter protein 1-B-like
XP_003971742.1 low density lipoprotein receptor adapter protein 1-like
XP_002712167.1 low density lipoprotein-related protein 1B
XP_003438294.1 LOW QUALITY PROTEIN: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1-like
XP_532769.3 LOW QUALITY PROTEIN: 5'-AMP-activated protein kinase subunit gamma-2
XP_413886.3 LOW QUALITY PROTEIN: A disintegrin and metalloproteinase with thrombospondin motifs 17
XP_003971243.1 LOW QUALITY PROTEIN: acetyl-CoA carboxylase 1-like
XP_001513439.2 LOW QUALITY PROTEIN: actin-related protein 2
XP_004077703.1 LOW QUALITY PROTEIN: activating signal cointegrator 1 complex subunit 3-like
XP_003415798.1 LOW QUALITY PROTEIN: activin receptor type-2B-like
XP_003973988.1 LOW QUALITY PROTEIN: acyl-CoA synthetase family member 4-like
XP_004081474.1 LOW QUALITY PROTEIN: adenylate cyclase type 5-like
XP_001922749.1 LOW QUALITY PROTEIN: adenylate cyclase type 6
XP_003357843.1 LOW QUALITY PROTEIN: ADP-ribosylation factor-like protein 5B-like
XP_686655.4 LOW QUALITY PROTEIN: afadin
XP_003364661.1 LOW QUALITY PROTEIN: AFG3-like protein 1-like
XP_003341437.1 LOW QUALITY PROTEIN: alcohol dehydrogenase class-3-like
XP_003929406.1 LOW QUALITY PROTEIN: amyloid protein-binding protein 2
XP_002923423.1 LOW QUALITY PROTEIN: amyloid protein-binding protein 2-like
XP_003588051.1 LOW QUALITY PROTEIN: AN1-type zinc finger and ubiquitin domain-containing protein 1
XP_003808664.1 LOW QUALITY PROTEIN: ankyrin repeat and SAM domain-containing protein 1A
XP_003438844.1 LOW QUALITY PROTEIN: ankyrin repeat and SAM domain-containing protein 1A-like
XP_003972896.1 LOW QUALITY PROTEIN: ankyrin repeat and sterile alpha motif domain-containing protein 1B-like
XP_003459247.1 LOW QUALITY PROTEIN: ankyrin repeat domain-containing protein 13B-like
XP_004086130.1 LOW QUALITY PROTEIN: annexin A2-B-like
XP_004091849.1 LOW QUALITY PROTEIN: AP-2 complex subunit alpha-2
XP_003408157.1 LOW QUALITY PROTEIN: AP-3 complex subunit beta-1-like
XP_004069927.1 LOW QUALITY PROTEIN: AP-3 complex subunit beta-2-like
XP_004091134.1 LOW QUALITY PROTEIN: AP-3 complex subunit delta-1
XP_003968150.1 LOW QUALITY PROTEIN: arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1-like
XP_003989614.1 LOW QUALITY PROTEIN: arginine-glutamic acid dipeptide repeats protein
XP_003996148.1 LOW QUALITY PROTEIN: ATP-binding cassette sub-family A member 2
XP_003790241.1 LOW QUALITY PROTEIN: ATP-binding cassette sub-family E member 1
XP_003222477.1 LOW QUALITY PROTEIN: ATP-citrate synthase-like
XP_003965276.1 LOW QUALITY PROTEIN: ATP-dependent RNA helicase Dhx29-like
XP_003438623.1 LOW QUALITY PROTEIN: BAH and coiled-coil domain-containing protein 1-like
XP_002808203.1 LOW QUALITY PROTEIN: band 4.1-like protein 3-like
XP_002743279.2 LOW QUALITY PROTEIN: band 4.1-like protein 4B
XP_004071033.1 LOW QUALITY PROTEIN: basement membrane-specific heparan sulfate proteoglycan core protein-like
XP_004070090.1 LOW QUALITY PROTEIN: beta-1,4-N-acetylgalactosaminyltransferase 3-like
XP_003976003.1 LOW QUALITY PROTEIN: beta-enolase-like
XP_003970422.1 LOW QUALITY PROTEIN: bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1-like
XP_001924050.1 LOW QUALITY PROTEIN: bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2
XP_003200546.1 LOW QUALITY PROTEIN: brain-specific angiogenesis inhibitor 1
XP_003907566.1 LOW QUALITY PROTEIN: bromodomain adjacent to zinc finger domain protein 2B
XP_003963716.1 LOW QUALITY PROTEIN: cadherin-23-like
XP_004065880.1 LOW QUALITY PROTEIN: calcium/calmodulin-dependent protein kinase type II delta 2 chain-like
XP_003453669.1 LOW QUALITY PROTEIN: calcium-dependent secretion activator 2-like
XP_002920691.1 LOW QUALITY PROTEIN: calcyphosin-2-like
XP_003891111.1 LOW QUALITY PROTEIN: calmodulin-binding transcription activator 1
XP_003442266.1 LOW QUALITY PROTEIN: calmodulin-regulated spectrin-associated protein 3-like
XP_003734352.1 LOW QUALITY PROTEIN: calpain-1 catalytic subunit
XP_003340500.1 LOW QUALITY PROTEIN: calpain-7-like protein-like
XP_003977415.1 LOW QUALITY PROTEIN: canalicular multispecific organic anion transporter 2-like
XP_003451743.1 LOW QUALITY PROTEIN: CAP-Gly domain-containing linker protein 1-like
XP_003446704.1 LOW QUALITY PROTEIN: CCAAT/enhancer-binding protein zeta-like
XP_003974984.1 LOW QUALITY PROTEIN: cell division control protein 45 homolog
XP_003969896.1 LOW QUALITY PROTEIN: cell surface A33 antigen-like
XP_003974237.1 LOW QUALITY PROTEIN: centrosome-associated protein 350-like
XP_003963072.1 LOW QUALITY PROTEIN: choline dehydrogenase, mitochondrial-like
XP_003974671.1 LOW QUALITY PROTEIN: chromaffin granule amine transporter-like
XP_003440454.1 LOW QUALITY PROTEIN: chromodomain-helicase-DNA-binding protein 2-like
XP_003973102.1 LOW QUALITY PROTEIN: chromodomain-helicase-DNA-binding protein 6-like
XP_004079085.1 LOW QUALITY PROTEIN: chromodomain-helicase-DNA-binding protein 8-like
XP_003964501.1 LOW QUALITY PROTEIN: c-Jun-amino-terminal kinase-interacting protein 3-like
XP_003970518.1 LOW QUALITY PROTEIN: clathrin light chain B-like
XP_003973969.1 LOW QUALITY PROTEIN: coiled-coil and C2 domain-containing protein 2A-like
XP_544389.3 LOW QUALITY PROTEIN: coiled-coil domain-containing protein 102A
XP_004073871.1 LOW QUALITY PROTEIN: coiled-coil domain-containing protein 132-like
XP_004091749.1 LOW QUALITY PROTEIN: coiled-coil domain-containing protein 149
XP_004049508.1 LOW QUALITY PROTEIN: coiled-coil domain-containing protein 6

XP_004088940.1 LOW QUALITY PROTEIN: collagen alpha-1(V) chain
 XP_003224881.1 LOW QUALITY PROTEIN: collagen alpha-1(XIV) chain-like
 XP_003256316.1 LOW QUALITY PROTEIN: COMM domain-containing protein 2
 XP_002806990.2 LOW QUALITY PROTEIN: complement C1q-like protein 3
 XP_004076492.1 LOW QUALITY PROTEIN: complement factor B-like
 XP_004077119.1 LOW QUALITY PROTEIN: conserved oligomeric Golgi complex subunit 2-like
 XP_003513727.1 LOW QUALITY PROTEIN: C-type lectin domain family 18 member A-like
 XP_004074074.1 LOW QUALITY PROTEIN: CUB and sushi domain-containing protein 2-like
 XP_001915995.1 LOW QUALITY PROTEIN: CUB and sushi domain-containing protein 3
 XP_003462428.1 LOW QUALITY PROTEIN: cullin-5
 XP_003974164.1 LOW QUALITY PROTEIN: cyclic AMP-dependent transcription factor ATF-6 alpha-like, partial
 XP_002914885.1 LOW QUALITY PROTEIN: cysteine-rich motor neuron 1 protein-like
 XP_002807308.1 LOW QUALITY PROTEIN: cytoplasmic dynein 1 heavy chain 1
 XP_002707773.1 LOW QUALITY PROTEIN: cytoplasmic dynein 2 heavy chain 1
 XP_687485.2 LOW QUALITY PROTEIN: cytosolic phospholipase A2
 XP_003894829.1 LOW QUALITY PROTEIN: DCN1-like protein 1
 XP_003442700.1 LOW QUALITY PROTEIN: death-inducer obliterator 1-like
 XP_003450900.1 LOW QUALITY PROTEIN: dedicator of cytokinesis protein 10-like
 XP_004080619.1 LOW QUALITY PROTEIN: dedicator of cytokinesis protein 1-like
 XP_003341810.1 LOW QUALITY PROTEIN: dedicator of cytokinesis protein 3-like, partial
 XP_002819436.2 LOW QUALITY PROTEIN: DEP domain-containing mTOR-interacting protein
 XP_003776650.1 LOW QUALITY PROTEIN: DEP domain-containing protein 1B
 XP_003733314.1 LOW QUALITY PROTEIN: diacylglycerol kinase delta
 XP_424953.3 LOW QUALITY PROTEIN: diacylglycerol kinase theta
 XP_003221507.1 LOW QUALITY PROTEIN: dihydrolypolyl dehydrogenase, mitochondrial-like
 XP_003962038.1 LOW QUALITY PROTEIN: disco-interacting protein 2 homolog A-like
 XP_003732450.1 LOW QUALITY PROTEIN: disintegrin and metalloproteinase domain-containing protein 29
 XP_004072336.1 LOW QUALITY PROTEIN: dmX-like protein 1-like
 XP_003209519.1 LOW QUALITY PROTEIN: dmX-like protein 2-like
 XP_003974116.1 LOW QUALITY PROTEIN: DNA-directed RNA polymerase, mitochondrial-like
 XP_003213426.1 LOW QUALITY PROTEIN: dnaJ homolog subfamily B member 5-like
 XP_003222244.1 LOW QUALITY PROTEIN: dnaJ homolog subfamily C member 13-like
 XP_003895263.1 LOW QUALITY PROTEIN: dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B-like
 XP_003757751.1 LOW QUALITY PROTEIN: double-stranded RNA-binding protein Staufien homolog 1
 XP_003209467.1 LOW QUALITY PROTEIN: dual specificity protein phosphatase 23-like
 XP_004003639.1 LOW QUALITY PROTEIN: dual specificity protein phosphatase CDC14A
 XP_004013748.1 LOW QUALITY PROTEIN: dynamin-3
 XP_003480027.1 LOW QUALITY PROTEIN: dynein heavy chain 1, axonemal
 XP_003442712.1 LOW QUALITY PROTEIN: dynein heavy chain 1, axonemal-like
 XP_003406993.1 LOW QUALITY PROTEIN: dynein heavy chain 11, axonemal-like
 XP_003217173.1 LOW QUALITY PROTEIN: dynein heavy chain 17, axonemal-like
 XP_001918411.1 LOW QUALITY PROTEIN: dynein heavy chain 2, axonemal
 XP_002924511.1 LOW QUALITY PROTEIN: dynein heavy chain 2, axonemal-like
 XP_004069956.1 LOW QUALITY PROTEIN: dynein heavy chain 5, axonemal-like
 XP_003986164.1 LOW QUALITY PROTEIN: dynein heavy chain 8, axonemal
 XP_003129505.2 LOW QUALITY PROTEIN: dynein heavy chain domain-containing protein 1
 XP_003964222.1 LOW QUALITY PROTEIN: dystonin-like
 XP_002812270.2 LOW QUALITY PROTEIN: dystrobrevin beta
 XP_003966928.1 LOW QUALITY PROTEIN: E3 ubiquitin-protein ligase DTX4-like
 XP_003455800.1 LOW QUALITY PROTEIN: E3 ubiquitin-protein ligase HECW1-like
 XP_003963229.1 LOW QUALITY PROTEIN: E3 ubiquitin-protein ligase HUWE1-like
 XP_004089685.1 LOW QUALITY PROTEIN: E3 ubiquitin-protein ligase MARCH9
 XP_003417723.1 LOW QUALITY PROTEIN: E3 ubiquitin-protein ligase TRAF7-like
 XP_003228674.1 LOW QUALITY PROTEIN: e3 ubiquitin-protein ligase TRIM37-like
 XP_002665264.2 LOW QUALITY PROTEIN: e3 ubiquitin-protein ligase UBR1
 XP_003340638.1 LOW QUALITY PROTEIN: ectopic P granules protein 5 homolog
 XP_003794864.1 LOW QUALITY PROTEIN: endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase-like
 XP_004077316.1 LOW QUALITY PROTEIN: endothelial PAS domain-containing protein 1-like
 XP_003758482.1 LOW QUALITY PROTEIN: enhancer of mRNA-decapping protein 4
 XP_696575.4 LOW QUALITY PROTEIN: epidermal growth factor receptor pathway substrate 15-like 1a
 XP_546605.3 LOW QUALITY PROTEIN: epidermis-type lipoxygenase 3, partial
 XP_003438434.1 LOW QUALITY PROTEIN: erythroid differentiation-related factor 1-like
 XP_004007596.1 LOW QUALITY PROTEIN: ethanolamine kinase 1
 XP_003989765.1 LOW QUALITY PROTEIN: eukaryotic translation initiation factor 4 gamma 3
 XP_003973287.1 LOW QUALITY PROTEIN: eukaryotic translation initiation factor 4E transporter-like
 XP_003441334.1 LOW QUALITY PROTEIN: Fanconi anemia group D2 protein-like
 XP_003732423.1 LOW QUALITY PROTEIN: F-box/LRR-repeat protein 7-like
 XP_003201917.1 LOW QUALITY PROTEIN: FERM domain-containing protein 4A-like
 XP_003962898.1 LOW QUALITY PROTEIN: fibroblast growth factor receptor 3-like
 XP_003961154.1 LOW QUALITY PROTEIN: formin-like protein 1-like
 XP_003451387.1 LOW QUALITY PROTEIN: FRAS1-related extracellular matrix protein 1-like
 XP_003225861.1 LOW QUALITY PROTEIN: G patch domain and KOW motifs-containing protein-like
 XP_003459170.1 LOW QUALITY PROTEIN: galectin-4-like
 XP_003996638.1 LOW QUALITY PROTEIN: gametogenin-binding protein 2
 XP_004076272.1 LOW QUALITY PROTEIN: GC-rich sequence DNA-binding factor 1-like
 XP_004073002.1 LOW QUALITY PROTEIN: general transcription factor IIH subunit 2-like
 XP_003444052.1 LOW QUALITY PROTEIN: glucoside xylosyltransferase 1-like
 XP_003466187.1 LOW QUALITY PROTEIN: glutamate dehydrogenase 1, mitochondrial
 XP_004082642.1 LOW QUALITY PROTEIN: glutathione peroxidase 2-like

XP_004071561.1 LOW QUALITY PROTEIN: glycogen
XP_003406446.1 LOW QUALITY PROTEIN: glycogen synthase kinase-3 alpha-like
XP_002813312.2 LOW QUALITY PROTEIN: glycogen synthase kinase-3 beta
XP_003431458.1 LOW QUALITY PROTEIN: GPI ethanolamine phosphate transferase 2-like
XP_003225864.1 LOW QUALITY PROTEIN: GRIP1-associated protein 1-like
XP_003969945.1 LOW QUALITY PROTEIN: growth arrest-specific protein 6-like
XP_003445586.1 LOW QUALITY PROTEIN: GTPase-activating protein and VPS9 domain-containing protein 1-like
XP_537047.3 LOW QUALITY PROTEIN: guanine nucleotide exchange factor VAV3
XP_003896449.1 LOW QUALITY PROTEIN: guanine nucleotide-binding protein G(i) subunit alpha-1
XP_003904601.1 LOW QUALITY PROTEIN: guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas
XP_003444433.1 LOW QUALITY PROTEIN: guanine nucleotide-binding protein G(z) subunit alpha-like
XP_003365350.1 LOW QUALITY PROTEIN: guanine nucleotide-binding protein subunit alpha-11-like
XP_003974823.1 LOW QUALITY PROTEIN: guanine nucleotide-binding protein subunit alpha-14-like
XP_003734075.1 LOW QUALITY PROTEIN: heat shock cognate 70 kDa protein-like
XP_003208546.1 LOW QUALITY PROTEIN: hemicentin-1-like
XP_003965507.1 LOW QUALITY PROTEIN: heparanase-like
XP_004071682.1 LOW QUALITY PROTEIN: hepatocyte growth factor-regulated tyrosine kinase substrate-like
XP_003919574.1 LOW QUALITY PROTEIN: histone acetyltransferase KAT2A
XP_004092133.1 LOW QUALITY PROTEIN: histone deacetylase 4
XP_003221970.1 LOW QUALITY PROTEIN: histone-lysine N-methyltransferase MLL3-like
XP_003770249.1 LOW QUALITY PROTEIN: homeobox protein cut-like 1
XP_003979696.1 LOW QUALITY PROTEIN: homeobox protein PKNOX1-like, partial
XP_004069221.1 LOW QUALITY PROTEIN: homeodomain-interacting protein kinase 1-like
XP_004066358.1 LOW QUALITY PROTEIN: huntingtin-like
XP_003209722.1 LOW QUALITY PROTEIN: hydrocephalus-inducing protein homolog
XP_003199630.1 LOW QUALITY PROTEIN: hypothetical protein LOC100007502
XP_003440535.1 LOW QUALITY PROTEIN: immunoglobulin superfamily member 22-like
XP_001917994.2 LOW QUALITY PROTEIN: importin-7
XP_004067050.1 LOW QUALITY PROTEIN: importin-7-like
XP_004014191.1 LOW QUALITY PROTEIN: importin-9
XP_001502772.3 LOW QUALITY PROTEIN: inositol 1,4,5-trisphosphate receptor type 2 isoform 3
XP_003967352.1 LOW QUALITY PROTEIN: inositol 1,4,5-trisphosphate receptor type 2-like
XP_002815811.1 LOW QUALITY PROTEIN: inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
XP_003972783.1 LOW QUALITY PROTEIN: inter-alpha-trypsin inhibitor heavy chain H2-like
XP_003409885.1 LOW QUALITY PROTEIN: interleukin-17 receptor B-like
XP_004004334.1 LOW QUALITY PROTEIN: iporin
XP_003982595.1 LOW QUALITY PROTEIN: IQ motif and SEC7 domain-containing protein 1
XP_003963595.1 LOW QUALITY PROTEIN: IQ motif and SEC7 domain-containing protein 2-like
XP_004003851.1 LOW QUALITY PROTEIN: kalirin
XP_002806999.1 LOW QUALITY PROTEIN: kelch-like protein 17
XP_699336.4 LOW QUALITY PROTEIN: kinase D-interacting substrate of 220 kDa
XP_003975238.1 LOW QUALITY PROTEIN: kinase suppressor of Ras 2-like
XP_002806884.2 LOW QUALITY PROTEIN: kinesin-like protein KIF1C
XP_003441429.1 LOW QUALITY PROTEIN: kinesin-like protein KIF21B-like
XP_003428959.1 LOW QUALITY PROTEIN: KN motif and ankyrin repeat domain-containing protein 2-like, partial
XP_003977609.1 LOW QUALITY PROTEIN: laminin subunit alpha-5-like
XP_003982718.1 LOW QUALITY PROTEIN: laminin subunit beta-1
XP_003963935.1 LOW QUALITY PROTEIN: leucine-rich PPR motif-containing protein, mitochondrial-like
XP_003967836.1 LOW QUALITY PROTEIN: leucine-rich repeat serine/threonine-protein kinase 2-like
XP_003954502.1 LOW QUALITY PROTEIN: lipid phosphate phosphohydrolase 2
XP_003452640.1 LOW QUALITY PROTEIN: liprin-alpha-1-like
XP_003470267.1 LOW QUALITY PROTEIN: LMBR1 domain-containing protein 2
XP_003973846.1 LOW QUALITY PROTEIN: lon protease homolog, mitochondrial-like
XP_001920939.3 LOW QUALITY PROTEIN: long-chain-fatty-acid--CoA ligase 6
XP_003447438.1 LOW QUALITY PROTEIN: low-density lipoprotein receptor-related protein 2-like
XP_004071014.1 LOW QUALITY PROTEIN: lysine-specific demethylase 5B-B-like
XP_004077613.1 LOW QUALITY PROTEIN: lysosomal-trafficking regulator-like
XP_001924045.3 LOW QUALITY PROTEIN: major facilitator superfamily domain-containing protein 12
XP_003961452.1 LOW QUALITY PROTEIN: matrix metalloproteinase-25-like
XP_003816931.1 LOW QUALITY PROTEIN: max-binding protein MNT
XP_001920947.3 LOW QUALITY PROTEIN: MDS1 and EVI1 complex locus protein EVI1
XP_692662.4 LOW QUALITY PROTEIN: membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3
XP_004072368.1 LOW QUALITY PROTEIN: mesoderm induction early response protein 3-like
XP_003968286.1 LOW QUALITY PROTEIN: methylosome subunit pCln-like
XP_004072018.1 LOW QUALITY PROTEIN: microtubule-associated serine/threonine-protein kinase 1-like
XP_004092867.1 LOW QUALITY PROTEIN: midnolin
XP_004019785.1 LOW QUALITY PROTEIN: mitochondrial glutamate carrier 1
XP_001920578.3 LOW QUALITY PROTEIN: mitogen-activated protein kinase kinase 5
XP_003961901.1 LOW QUALITY PROTEIN: MORC family CW-type zinc finger protein 3-like
XP_003993846.1 LOW QUALITY PROTEIN: mucin-2
XP_003362714.1 LOW QUALITY PROTEIN: mucin-5AC
XP_001921940.2 LOW QUALITY PROTEIN: multiple EGF-like-domains 11
XP_003967007.1 LOW QUALITY PROTEIN: multiple PDZ domain protein-like, partial
XP_002925877.1 LOW QUALITY PROTEIN: myocyte-specific enhancer factor 2A-like
XP_003438629.1 LOW QUALITY PROTEIN: myoferlin-like
XP_002666141.2 LOW QUALITY PROTEIN: myosin heavy chain, fast skeletal muscle, partial
XP_003961609.1 LOW QUALITY PROTEIN: myosin phosphatase Rho-interacting protein-like
XP_004091632.1 LOW QUALITY PROTEIN: myosin-10
XP_003340046.1 LOW QUALITY PROTEIN: myosin-Ie-like

XP_003342113.1 LOW QUALITY PROTEIN: myosin-IIIa-like
XP_004081964.1 LOW QUALITY PROTEIN: myosin-IIIB-like
XP_003443996.1 LOW QUALITY PROTEIN: myosin-Va-like
XP_003583152.1 LOW QUALITY PROTEIN: myotubularin-related protein 13
XP_003982648.1 LOW QUALITY PROTEIN: NAC-alpha domain-containing protein 1
XP_003452058.1 LOW QUALITY PROTEIN: N-acetylglucosamine-1-phosphotransferase subunits alpha/beta-like
XP_003962263.1 LOW QUALITY PROTEIN: nebulin-like
XP_004069861.1 LOW QUALITY PROTEIN: NEDD4-like E3 ubiquitin-protein ligase WWP2-like
XP_003457226.1 LOW QUALITY PROTEIN: NEDD8 ultimate buster 1-like
XP_003413544.1 LOW QUALITY PROTEIN: nephrocystin-4-like
XP_420498.3 LOW QUALITY PROTEIN: nephronectin
XP_004075404.1 LOW QUALITY PROTEIN: nephrilysin-like
XP_698040.5 LOW QUALITY PROTEIN: nesprin-1
XP_003451555.1 LOW QUALITY PROTEIN: netrin-G2-like
XP_003419490.1 LOW QUALITY PROTEIN: neurexin-2-alpha-like
XP_004082472.1 LOW QUALITY PROTEIN: neurexin-3a-alpha-like
XP_003454502.1 LOW QUALITY PROTEIN: neurobeachin-like protein 2-like
XP_003972714.1 LOW QUALITY PROTEIN: neuron navigator 3-like
XP_003972537.1 LOW QUALITY PROTEIN: nodal modulator 1
XP_003447694.1 LOW QUALITY PROTEIN: nuclear factor NF-kappa-B p105 subunit-like
XP_003967821.1 LOW QUALITY PROTEIN: nuclear pore complex protein Nup160-like
XP_003974560.1 LOW QUALITY PROTEIN: nuclear receptor corepressor 2-like
XP_003965334.1 LOW QUALITY PROTEIN: nucleoporin NUP188 homolog
XP_004086385.1 LOW QUALITY PROTEIN: OTU domain-containing protein 5-A-like
XP_004070028.1 LOW QUALITY PROTEIN: p53-induced protein with a death domain-like
XP_003281866.2 LOW QUALITY PROTEIN: paired amphipathic helix protein Sin3a
XP_002807498.1 LOW QUALITY PROTEIN: pantothenate kinase 1
XP_004076484.1 LOW QUALITY PROTEIN: pecanex-like protein 3-like
XP_003455203.1 LOW QUALITY PROTEIN: peptidyl-prolyl cis-trans isomerase CWC27 homolog
XP_003457253.1 LOW QUALITY PROTEIN: peroxidasin-like
XP_004076630.1 LOW QUALITY PROTEIN: peroxiredoxin-5, mitochondrial-like
XP_003978247.1 LOW QUALITY PROTEIN: PERQ amino acid-rich with GYF domain-containing protein 2-like
XP_001917968.1 LOW QUALITY PROTEIN: PHD finger protein 2-like
XP_003975987.1 LOW QUALITY PROTEIN: phosphatidylinositol 3-kinase catalytic subunit type 3-like
XP_003968793.1 LOW QUALITY PROTEIN: phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform-like
XP_540837.3 LOW QUALITY PROTEIN: phosphofurin acidic cluster sorting protein 1
XP_003778436.1 LOW QUALITY PROTEIN: phosphofurin acidic cluster sorting protein 2, partial
XP_003962798.1 LOW QUALITY PROTEIN: phospholipase DDHD1-like
XP_003457770.1 LOW QUALITY PROTEIN: phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform-like
XP_003437761.1 LOW QUALITY PROTEIN: phosphorylase b kinase regulatory subunit beta-like
XP_004070086.1 LOW QUALITY PROTEIN: phosphotidylinositol phosphatase PTPRQ-like
XP_003976805.1 LOW QUALITY PROTEIN: pleckstrin homology domain-containing family D member 1-like
XP_002927469.1 LOW QUALITY PROTEIN: pleckstrin homology domain-containing family G member 1-like
XP_003977275.1 LOW QUALITY PROTEIN: pleckstrin homology domain-containing family M member 1-like
XP_004092644.1 LOW QUALITY PROTEIN: plexin-B3
XP_003963466.1 LOW QUALITY PROTEIN: plexin-D1-like
XP_003972409.1 LOW QUALITY PROTEIN: poly(A)-specific ribonuclease PARN-like
XP_002746106.2 LOW QUALITY PROTEIN: polycomb group RING finger protein 3
XP_004081283.1 LOW QUALITY PROTEIN: polycystic kidney disease 1 like 1
XP_004081948.1 LOW QUALITY PROTEIN: polypeptide N-acetylgalactosaminyltransferase 3-like
XP_001494570.3 LOW QUALITY PROTEIN: polypeptide N-acetylgalactosaminyltransferase 4
XP_001915461.1 LOW QUALITY PROTEIN: polypyrimidine tract-binding protein 1
XP_003978936.1 LOW QUALITY PROTEIN: potassium channel subfamily K member 18-like
XP_002806582.2 LOW QUALITY PROTEIN: potassium channel subfamily T member 1
XP_004093300.1 LOW QUALITY PROTEIN: potassium voltage-gated channel subfamily KQT member 2
XP_003968946.1 LOW QUALITY PROTEIN: potassium voltage-gated channel subfamily KQT member 4-like
XP_003199415.1 LOW QUALITY PROTEIN: PR domain zinc finger protein 15
XP_003280391.2 LOW QUALITY PROTEIN: pre-mRNA-processing-splicing factor 8
XP_003775372.1 LOW QUALITY PROTEIN: pre-mRNA-splicing factor 38B
XP_003455221.1 LOW QUALITY PROTEIN: pre-mRNA-splicing factor SLU7-like
XP_003964155.1 LOW QUALITY PROTEIN: proactivator polypeptide-like
XP_003228124.1 LOW QUALITY PROTEIN: probable E3 ubiquitin-protein ligase HERC1-like
XP_003972500.1 LOW QUALITY PROTEIN: probable E3 ubiquitin-protein ligase HERC3-like
XP_003967076.1 LOW QUALITY PROTEIN: probable fructose-2,6-bisphosphatase TIGAR A-like
XP_003769180.1 LOW QUALITY PROTEIN: probable G-protein coupled receptor 116
XP_004077251.1 LOW QUALITY PROTEIN: probable lysosomal cobalamin transporter-like
XP_003201352.1 LOW QUALITY PROTEIN: probable phospholipid-transporting ATPase IB
XP_003978262.1 LOW QUALITY PROTEIN: probable phospholipid-transporting ATPase IF-like
XP_003757739.1 LOW QUALITY PROTEIN: probable phospholipid-transporting ATPase IIA
XP_004081603.1 LOW QUALITY PROTEIN: probable ubiquitin carboxyl-terminal hydrolase FAF-X-like
XP_003970692.1 LOW QUALITY PROTEIN: pro-epidermal growth factor-like
XP_003976759.1 LOW QUALITY PROTEIN: pro-interleukin-16
XP_004089687.1 LOW QUALITY PROTEIN: prolow-density lipoprotein receptor-related protein 1
XP_003340534.1 LOW QUALITY PROTEIN: prostaglandin F2 receptor negative regulator-like
XP_004078494.1 LOW QUALITY PROTEIN: protein argonaute-1-like
XP_004015575.1 LOW QUALITY PROTEIN: protein CBFA2T3
XP_003963796.1 LOW QUALITY PROTEIN: protein FAM149B1-like
XP_004010195.1 LOW QUALITY PROTEIN: protein FAM193A
XP_002808187.1 LOW QUALITY PROTEIN: protein furry homolog

XP_421417.3 LOW QUALITY PROTEIN: protein kinase C eta type
 XP_003988630.1 LOW QUALITY PROTEIN: protein kinase C-binding protein NELL2
 XP_0033441567.1 LOW QUALITY PROTEIN: protein Mdm4-like
 XP_003452089.1 LOW QUALITY PROTEIN: protein phosphatase 1 regulatory subunit 12A-like
 XP_002814946.1 LOW QUALITY PROTEIN: protein Shroom3
 XP_003966911.1 LOW QUALITY PROTEIN: protein Shroom4-like
 XP_004075385.1 LOW QUALITY PROTEIN: protein Smaug homolog 2-like
 XP_004078422.1 LOW QUALITY PROTEIN: protein SMG5-like
 XP_004067799.1 LOW QUALITY PROTEIN: protein strawberry notch homolog 2-like
 XP_003452565.1 LOW QUALITY PROTEIN: protein SZT2-like
 XP_004078225.1 LOW QUALITY PROTEIN: protein tweety homolog 1-like
 XP_413798.3 LOW QUALITY PROTEIN: protein unc-13 homolog C
 XP_003229929.1 LOW QUALITY PROTEIN: protein unc-13 homolog C-like
 XP_004082345.1 LOW QUALITY PROTEIN: protein unc-79 homolog
 XP_004076929.1 LOW QUALITY PROTEIN: protein very KIND-like
 XP_003439999.1 LOW QUALITY PROTEIN: protein WWC3-like
 XP_003963639.1 LOW QUALITY PROTEIN: protein-methionine sulfoxide oxidase mical1-like
 XP_004070244.1 LOW QUALITY PROTEIN: protein-methionine sulfoxide oxidase mical3a-like
 XP_003972335.1 LOW QUALITY PROTEIN: protocadherin Fat 1-like
 XP_003430824.1 LOW QUALITY PROTEIN: protocadherin Fat 3-like
 XP_003439395.1 LOW QUALITY PROTEIN: putative methyltransferase NSUN6-like
 XP_001917468.1 LOW QUALITY PROTEIN: pyruvate carboxylase, mitochondrial
 XP_003967458.1 LOW QUALITY PROTEIN: pyruvate dehydrogenase protein X component, mitochondrial-like
 XP_003341278.1 LOW QUALITY PROTEIN: rab3 GTPase-activating protein catalytic subunit-like
 XP_002662611.2 LOW QUALITY PROTEIN: ral GTPase-activating protein subunit beta
 XP_003444574.1 LOW QUALITY PROTEIN: ral guanine nucleotide dissociation stimulator-like
 XP_003822581.1 LOW QUALITY PROTEIN: rap guanine nucleotide exchange factor 2
 XP_002811057.1 LOW QUALITY PROTEIN: ras-related GTP-binding protein C
 XP_002823570.1 LOW QUALITY PROTEIN: ras-related protein Rab-21
 XP_003945248.1 LOW QUALITY PROTEIN: ras-related protein Rab-5B
 XP_003906974.1 LOW QUALITY PROTEIN: ras-related protein Rab-7a
 XP_003207443.1 LOW QUALITY PROTEIN: receptor tyrosine-protein kinase erbB-4-like
 XP_003973603.1 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase alpha-like
 XP_003405642.1 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase beta-like
 XP_003278652.1 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase F
 XP_004018671.1 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase gamma
 XP_004083458.1 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase kappa-like
 XP_001915077.2 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase mu
 XP_003941903.1 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase N2
 XP_003444022.1 LOW QUALITY PROTEIN: reelin-like
 XP_003919596.1 LOW QUALITY PROTEIN: regulator of G-protein signaling 6
 XP_003932780.1 LOW QUALITY PROTEIN: regulator of telomere elongation helicase 1
 XP_002819675.2 LOW QUALITY PROTEIN: reversion-inducing cysteine-rich protein with Kazal motifs
 XP_004084760.1 LOW QUALITY PROTEIN: reversion-inducing cysteine-rich protein with Kazal motifs-like, partial
 XP_003219260.1 LOW QUALITY PROTEIN: rho GTPase-activating protein 31-like
 XP_003974443.1 LOW QUALITY PROTEIN: rho GTPase-activating protein SYDE2-like
 XP_001917643.2 LOW QUALITY PROTEIN: rho guanine nucleotide exchange factor 12-like
 XP_004079466.1 LOW QUALITY PROTEIN: rho-associated protein kinase 1-like
 XP_004071653.1 LOW QUALITY PROTEIN: ribonucleoprotein PTB-binding 1-like
 XP_003203907.1 LOW QUALITY PROTEIN: ribosomal protein S6 kinase delta-1-like
 XP_003441307.1 LOW QUALITY PROTEIN: rootletin-like
 XP_001916491.2 LOW QUALITY PROTEIN: ryanodine receptor 2
 XP_002807243.1 LOW QUALITY PROTEIN: ryanodine receptor 3-like
 XP_003976838.1 LOW QUALITY PROTEIN: sarcosine dehydrogenase, mitochondrial-like
 XP_001920334.3 LOW QUALITY PROTEIN: SCO-spondin
 XP_004080924.1 LOW QUALITY PROTEIN: SCO-spondin-like
 XP_003760171.1 LOW QUALITY PROTEIN: secretagogin
 XP_004070631.1 LOW QUALITY PROTEIN: selenide, water dikinase 2-like
 XP_003970379.1 LOW QUALITY PROTEIN: selenoprotein H-like
 XP_003451754.1 LOW QUALITY PROTEIN: selenoprotein M-like
 XP_004069912.1 LOW QUALITY PROTEIN: selenoprotein O-like
 XP_003581804.1 LOW QUALITY PROTEIN: selenoprotein T
 XP_003458718.1 LOW QUALITY PROTEIN: selenoprotein T2-like
 XP_004083913.1 LOW QUALITY PROTEIN: sentrin-specific protease 6-like
 XP_003978763.1 LOW QUALITY PROTEIN: sequestosome-1-like
 XP_004023550.1 LOW QUALITY PROTEIN: serine/arginine-rich splicing factor 1
 XP_003473258.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase 10
 XP_003447034.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase 10-like
 XP_004088033.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase BRSK2
 XP_003968487.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase D2-like
 XP_003587632.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase MRCK beta
 XP_003961968.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase tousled-like 1-like
 XP_004065318.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase tousled-like 2
 XP_003420032.1 LOW QUALITY PROTEIN: serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha-like
 XP_003742319.1 LOW QUALITY PROTEIN: serine/threonine-protein phosphatase 2B catalytic subunit 2-like
 XP_002807585.2 LOW QUALITY PROTEIN: serine/threonine-protein phosphatase 4 regulatory subunit 3B
 XP_003973075.1 LOW QUALITY PROTEIN: SH2 domain-containing protein 5-like
 XP_004073330.1 LOW QUALITY PROTEIN: short transient receptor potential channel 7-like
 XP_003199414.1 LOW QUALITY PROTEIN: si:ch211-251d10.5

XP_695584.3 LOW QUALITY PROTEIN: si:dkey-18913.1
XP_697155.3 LOW QUALITY PROTEIN: si:dkey-6817.3
XP_003968090.1 LOW QUALITY PROTEIN: sickle tail protein-like
XP_003962359.1 LOW QUALITY PROTEIN: sine oculis-binding protein homolog
XP_003967443.1 LOW QUALITY PROTEIN: SITS-binding protein-like
XP_003212992.1 LOW QUALITY PROTEIN: SLIT-ROBO Rho GTPase-activating protein 2-like
XP_004006710.1 LOW QUALITY PROTEIN: small subunit processome component 20 homolog
XP_003734076.1 LOW QUALITY PROTEIN: sodium/bile acid cotransporter-like
XP_001519161.2 LOW QUALITY PROTEIN: sodium-coupled neutral amino acid transporter 3-like
XP_003906895.1 LOW QUALITY PROTEIN: sodium-dependent neutral amino acid transporter B(0)AT2
XP_003263250.2 LOW QUALITY PROTEIN: sodium-dependent neutral amino acid transporter B(0)AT3
XP_004093137.1 LOW QUALITY PROTEIN: solute carrier family 45 member 4
XP_003444323.1 LOW QUALITY PROTEIN: solute carrier organic anion transporter family member 2A1-like
XP_003961562.1 LOW QUALITY PROTEIN: sorting nexin-29-like
XP_002812075.2 LOW QUALITY PROTEIN: spectrin beta chain, brain 1-like
XP_848730.2 LOW QUALITY PROTEIN: sperm-associated antigen 1
XP_004003888.1 LOW QUALITY PROTEIN: spermatogenesis-associated protein 16
XP_001069386.1 LOW QUALITY PROTEIN: sterile alpha motif domain containing 9-like
XP_001920185.2 LOW QUALITY PROTEIN: sterile alpha motif domain-containing protein 11
XP_003218572.1 LOW QUALITY PROTEIN: structural maintenance of chromosomes protein 3-like
XP_004058906.1 LOW QUALITY PROTEIN: superkiller viralicidic activity 2-like 2
XP_004079946.1 LOW QUALITY PROTEIN: suppressor of hairless protein homolog
XP_002707826.2 LOW QUALITY PROTEIN: SWI/SNF complex subunit SMARCC1
XP_004085097.1 LOW QUALITY PROTEIN: TAF5-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 5L-like
XP_003412604.1 LOW QUALITY PROTEIN: tannase-1-like
XP_003217570.1 LOW QUALITY PROTEIN: tau-tubulin kinase 1-like
XP_003964620.1 LOW QUALITY PROTEIN: TBC1 domain family member 16-like
XP_003212127.1 LOW QUALITY PROTEIN: TBC1 domain family member 20-like
XP_004086585.1 LOW QUALITY PROTEIN: TBC1 domain family member 2A-like
XP_003978990.1 LOW QUALITY PROTEIN: TBC1 domain family member 9B-like
XP_003969476.1 LOW QUALITY PROTEIN: T-cell immunomodulatory protein-like
XP_003223414.1 LOW QUALITY PROTEIN: teneurin-1-like
XP_003970589.1 LOW QUALITY PROTEIN: teneurin-2-like, partial
XP_003415899.1 LOW QUALITY PROTEIN: teneurin-3-like
XP_003762694.1 LOW QUALITY PROTEIN: tetratricopeptide repeat protein 21A
XP_003732485.1 LOW QUALITY PROTEIN: tetratricopeptide repeat protein 29
XP_004020427.1 LOW QUALITY PROTEIN: tetratricopeptide repeat protein 40
XP_003963690.1 LOW QUALITY PROTEIN: THAP domain-containing protein 6-like
XP_003974353.1 LOW QUALITY PROTEIN: thromboxane A2 receptor-like
XP_003797908.1 LOW QUALITY PROTEIN: T-lymphoma invasion and metastasis-inducing protein 2
XP_003735740.1 LOW QUALITY PROTEIN: trafficking protein particle complex subunit 2 protein TRAPPC2P1
XP_003205361.1 LOW QUALITY PROTEIN: trafficking protein particle complex subunit 9-like
XP_004093186.1 LOW QUALITY PROTEIN: transcription elongation regulator 1-like protein
XP_004083805.1 LOW QUALITY PROTEIN: transcription factor GATA-4
XP_003945247.1 LOW QUALITY PROTEIN: transcription factor IIIA
XP_002807611.2 LOW QUALITY PROTEIN: transcription factor SOX-2-like
XP_003965897.1 LOW QUALITY PROTEIN: transcription initiation factor TFIIID subunit 2-like
XP_003846264.1 LOW QUALITY PROTEIN: transcription initiation factor TFIIID subunit 4
XP_003445948.1 LOW QUALITY PROTEIN: transcriptional regulator ATRX-like
XP_003802854.1 LOW QUALITY PROTEIN: transforming protein p29-like
XP_003447485.1 LOW QUALITY PROTEIN: transient receptor potential cation channel subfamily M member 2-like
XP_001922486.3 LOW QUALITY PROTEIN: transmembrane and TPR repeat-containing protein 3
XP_003978716.1 LOW QUALITY PROTEIN: transmembrane protease serine 6-like
XP_002821744.1 LOW QUALITY PROTEIN: transmembrane protein 132A
XP_004082617.1 LOW QUALITY PROTEIN: transmembrane protein 63C-like
XP_004089399.1 LOW QUALITY PROTEIN: transportin-2, partial
XP_003455448.1 LOW QUALITY PROTEIN: treslin-like
XP_004072163.1 LOW QUALITY PROTEIN: tripartite motif-containing protein 69-like
XP_004072073.1 LOW QUALITY PROTEIN: tRNA-dihydrouridine(16/17) synthase
XP_003972102.1 LOW QUALITY PROTEIN: tuberin-like
XP_003982530.1 LOW QUALITY PROTEIN: tubulin monoglycylase TTL3
XP_003430079.1 LOW QUALITY PROTEIN: type I inositol-1,4,5-trisphosphate 5-phosphatase-like
XP_003972282.1 LOW QUALITY PROTEIN: U2 small nuclear ribonucleoprotein B⁺-like
XP_003210200.1 LOW QUALITY PROTEIN: u6 snRNA-associated Sm-like protein LSm3-like
XP_004065668.1 LOW QUALITY PROTEIN: ubiquitin carboxyl-terminal hydrolase 34-like
XP_004071080.1 LOW QUALITY PROTEIN: UDP-glucuronosyltransferase 2B13-like
XP_003442727.1 LOW QUALITY PROTEIN: uncharacterized glycosyltransferase AER61-like
XP_003452594.1 LOW QUALITY PROTEIN: uncharacterized protein C17orf85 homolog
XP_004080060.1 LOW QUALITY PROTEIN: uncharacterized protein KIAA0232-like
XP_004069819.1 LOW QUALITY PROTEIN: uncharacterized protein KIAA0513-like
XP_003203383.1 LOW QUALITY PROTEIN: uncharacterized protein KIAA0564-like
XP_003925476.1 LOW QUALITY PROTEIN: uncharacterized protein KIAA1614 homolog
XP_004079845.1 LOW QUALITY PROTEIN: uncharacterized protein LOC100049372
XP_003735659.1 LOW QUALITY PROTEIN: uncharacterized protein LOC100398827
XP_003278490.2 LOW QUALITY PROTEIN: uncharacterized protein LOC100605286
XP_004007623.1 LOW QUALITY PROTEIN: uncharacterized protein LOC443147
XP_854863.3 LOW QUALITY PROTEIN: uncharacterized protein LOC612042
XP_003688870.2 LOW QUALITY PROTEIN: uncharacterized protein LOC625558
XP_003987223.1 LOW QUALITY PROTEIN: unconventional myosin-Va

XP_003440367.1 LOW QUALITY PROTEIN: UPF0464 protein C15orf44 homolog
 XP_003974862.1 LOW QUALITY PROTEIN: vacuolar protein sorting-associated protein 13A-like
 XP_0033340729.1 LOW QUALITY PROTEIN: vacuolar protein sorting-associated protein 13B-like
 XP_004072549.1 LOW QUALITY PROTEIN: vacuolar protein sorting-associated protein 33A-like
 XP_004073789.1 LOW QUALITY PROTEIN: vacuolar protein sorting-associated protein 45-like
 XP_004067637.1 LOW QUALITY PROTEIN: vascular endothelial growth factor receptor 2-like
 XP_003974225.1 LOW QUALITY PROTEIN: vesicle transport protein USE1-like
 XP_004093304.1 LOW QUALITY PROTEIN: voltage-dependent L-type calcium channel subunit alpha-1S
 XP_002665969.1 LOW QUALITY PROTEIN: voltage-dependent P/Q-type calcium channel subunit alpha-1A
 XP_003949701.1 LOW QUALITY PROTEIN: voltage-dependent R-type calcium channel subunit alpha-1E
 XP_002663874.2 LOW QUALITY PROTEIN: voltage-gated potassium channel subunit beta-2
 XP_004075932.1 LOW QUALITY PROTEIN: vomeronasal type-2 receptor 1-like
 XP_002665356.2 LOW QUALITY PROTEIN: von Willebrand factor
 XP_004084296.1 LOW QUALITY PROTEIN: V-type proton ATPase subunit d 1-like
 XP_003963749.1 LOW QUALITY PROTEIN: WD repeat-containing protein 11-like
 XP_001916558.2 LOW QUALITY PROTEIN: WD repeat-containing protein 17
 XP_004081346.1 LOW QUALITY PROTEIN: WD repeat-containing protein 60-like
 XP_002692174.2 LOW QUALITY PROTEIN: WW domain-containing adapter protein with coiled-coil
 XP_004079149.1 LOW QUALITY PROTEIN: xin actin-binding repeat-containing protein 1-like
 XP_004069461.1 LOW QUALITY PROTEIN: zinc finger C3H1 domain-containing protein-like
 XP_004093152.1 LOW QUALITY PROTEIN: zinc finger CCHC domain-containing protein 3
 XP_002807912.2 LOW QUALITY PROTEIN: zinc finger protein 135
 XP_003963047.1 LOW QUALITY PROTEIN: zinc finger protein 341-like
 XP_003406636.1 LOW QUALITY PROTEIN: zinc finger protein 845-like
 XP_002702020.2 LOW QUALITY PROTEIN: zinc finger protein 91, partial
 XP_003458091.1 LOW QUALITY PROTEIN: zinc finger ZZ-type and EF-hand domain-containing protein 1-like
 XP_004021327.1 LOW QUALITY PROTEIN: zonadhesin
 XP_003199558.1 low-density lipoprotein receptor class A domain-containing protein 2-like isoform X1
 XP_003440545.1 low-density lipoprotein receptor class A domain-containing protein 3-like
 XP_003200606.1 low-density lipoprotein receptor class A domain-containing protein 4 isoform X1
 XP_003443220.1 low-density lipoprotein receptor-like
 XP_003199120.1 low-density lipoprotein receptor-like isoform X1
 XP_004085946.1 low-density lipoprotein receptor-like, partial
 XP_001920591.2 low-density lipoprotein receptor-related protein 1 isoform X1
 XP_688859.4 low-density lipoprotein receptor-related protein 10-like
 XP_003446366.1 low-density lipoprotein receptor-related protein 11-like
 XP_003581884.1 low-density lipoprotein receptor-related protein 1B, partial
 XP_004082101.1 low-density lipoprotein receptor-related protein 1B-like
 XP_003223682.1 low-density lipoprotein receptor-related protein 1-like
 XP_003199452.1 low-density lipoprotein receptor-related protein 1-like, partial
 XP_707254.3 low-density lipoprotein receptor-related protein 2 isoform 5
 XP_003441991.1 low-density lipoprotein receptor-related protein 2-like
 XP_003454393.1 low-density lipoprotein receptor-related protein 4
 XP_003969825.1 low-density lipoprotein receptor-related protein 4-like
 XP_001371673.1 low-density lipoprotein receptor-related protein 6
 XP_003448786.1 low-density lipoprotein receptor-related protein 6 isoform 1
 XP_003974449.1 low-density lipoprotein receptor-related protein 8-like
 XP_693546.2 LSM11, U7 small nuclear RNA associated
 XP_004007413.1 L-threonine 3-dehydrogenase, mitochondrial-like
 XP_003207764.1 ly6/PLAUR domain-containing protein 1-like
 XP_689109.3 lymphatic vessel endothelial hyaluronic acid receptor 1
 XP_002662830.1 lymphocyte antigen 75
 XP_695257.5 lymphocyte antigen 75, partial
 XP_001919257.3 lymphocyte antigen 75-like
 XP_003201508.1 lymphocyte-specific protein 1-like
 XP_004065948.1 lymphoid enhancer-binding factor 1-like isoform 1
 XP_003976726.1 lymphokine-activated killer T-cell-originated protein kinase homolog
 XP_004083956.1 LYR motif-containing protein 2-like
 XP_687135.1 lysine-rich nucleolar protein 1
 XP_001339797.2 lysine-specific demethylase 2A
 XP_004073531.1 lysine-specific demethylase 3B-like
 XP_001339664.2 lysine-specific demethylase 4A
 XP_003452568.1 lysine-specific demethylase 4A-like
 XP_001921829.2 lysine-specific demethylase 4A-like isoform X1
 XP_003228560.1 lysine-specific demethylase 4B-like
 XP_003972976.1 lysine-specific demethylase 5A-like
 XP_003201688.1 lysine-specific demethylase 5A-like, partial
 XP_003441396.1 lysine-specific demethylase 5B-like
 XP_697746.2 lysine-specific demethylase 6A isoform X7
 XP_003449637.1 lysine-specific demethylase 6A-like
 XP_003966880.1 lysine-specific demethylase 6B-like
 XP_003983194.1 lysine-specific demethylase 7
 XP_003452081.1 lysine-specific demethylase 7-like
 XP_003459602.1 lysine-specific histone demethylase 1A-like
 XP_003219832.1 lysine-specific histone demethylase 1B-like
 XP_003458236.1 lysM and putative peptidoglycan-binding domain-containing protein 2-like
 XP_003442883.1 lysocardiolipin acyltransferase 1-like
 XP_002916578.1 lysophosphatidic acid receptor 1-like
 XP_003452580.1 lysophosphatidic acid receptor 3-like

XP_001334713.1 lysophosphatidic acid receptor 4-like
 XP_003439113.1 lysophosphatidic acid receptor 6-like
 XP_003443759.1 lysophosphatidylcholine acyltransferase 1-like
 XP_003969581.1 lysophosphatidylcholine acyltransferase 2-like
 XP_002190662.1 lysophospholipase-like protein 1
 XP_003443755.1 lysophospholipid acyltransferase 1-like
 XP_683208.1 lysophospholipid acyltransferase 5
 XP_004078221.1 lysophospholipid acyltransferase 7-like, partial
 XP_004066614.1 lysosomal acid phosphatase-like
 XP_002660410.1 lysosomal alpha-glucosidase isoform X1
 XP_003456387.1 lysosomal alpha-glucosidase-like
 XP_003972325.1 lysosomal alpha-mannosidase-like
 XP_003976913.1 lysosomal protective protein-like
 XP_003969370.1 lysosomal thioesterase PPT2-A-like
 XP_003444227.1 lysosomal-associated transmembrane protein 4B-like
 XP_001919653.1 lysosomal-trafficking regulator
 XP_003441244.1 lysosomal-trafficking regulator-like
 XP_003444373.1 lysosome membrane protein 2-like
 XP_001342688.2 lysosome-associated membrane glycoprotein 1-like
 XP_003971636.1 lysosome-associated membrane glycoprotein 5-like
 XP_004065665.1 lysozyme C, milk isozyme-like
 XP_004069237.1 lysyl oxidase homolog 2A-like
 XP_003974700.1 lysyl oxidase homolog 2B-like
 XP_003441453.1 lysyl oxidase homolog 2-like
 XP_003447883.1 lysyl oxidase homolog 3-like
 XP_002664258.2 lysyl oxidase homolog 4
 XP_004066182.1 lysyl oxidase homolog 4-like
 XP_002723887.1 lysyl oxidase-like 1 preproprotein-like
 XP_003442325.1 lysyl-tRNA synthetase-like
 XP_003443818.1 macoilin-1-like isoform 2
 XP_003446416.1 macoilin-like
 XP_003455234.1 macrophage colony-stimulating factor 1 receptor 1-like
 XP_003457027.1 macrophage colony-stimulating factor 1 receptor 2-like
 XP_004073062.1 macrophage erythroblast attacher-like isoform 1
 XP_001919242.3 macrophage mannose receptor 1-like
 XP_001332702.1 macrophage mannose receptor 1-like isoform 1
 XP_002662711.1 macrophage mannose receptor 1-like isoform 2
 XP_001333472.3 macrophage mannose receptor 1-like protein 1-like isoform 1
 XP_693782.3 macrophage-capping protein isoform X2
 XP_004079857.1 macrophage-capping protein-like
 XP_002663858.1 macrophage-stimulating protein receptor
 XP_003441068.1 MAD2L1-binding protein-like
 XP_003219825.1 magnesium transporter MRS2 homolog, mitochondrial-like
 XP_693621.5 magnesium transporter MRS2 homolog, mitochondrial-like isoform X2
 XP_001366188.1 magnesium transporter NIPA2 isoform 1
 XP_685841.1 magnesium-dependent phosphatase 1
 XP_003961370.1 MAGUK p55 subfamily member 2-like isoform 2
 XP_003442172.1 MAGUK p55 subfamily member 3-like
 XP_001340190.2 MAGUK p55 subfamily member 3-like isoform X1
 XP_684526.4 MAGUK p55 subfamily member 4-like
 XP_004073882.1 MAGUK p55 subfamily member 6-like
 XP_004080956.1 MAGUK p55 subfamily member 7-like
 XP_003438661.1 major facilitator superfamily domain-containing protein 1-like
 XP_698560.1 major facilitator superfamily domain-containing protein 2A isoform X2
 XP_698534.2 major facilitator superfamily domain-containing protein 2A-like
 XP_695343.3 major facilitator superfamily domain-containing protein 2B
 XP_003971626.1 major facilitator superfamily domain-containing protein 2B-like
 XP_003438827.1 major facilitator superfamily domain-containing protein 4-B-like
 XP_004073651.1 major facilitator superfamily domain-containing protein 7-like
 XP_693154.5 major facilitator superfamily domain-containing protein 8-like
 XP_003438380.1 malate dehydrogenase, cytoplasmic-like
 XP_003341804.1 malcavernin-like
 XP_001515997.2 malcavernin-like, partial
 XP_003974786.1 malectin-like
 XP_691717.1 male-specific lethal 1 homolog isoform X4
 XP_003416098.1 male-specific lethal 3 homolog
 XP_003453104.1 maleylacetoacetate isomerase-like isoform 2
 XP_001335202.2 malignant fibrous histiocytoma-amplified sequence 1 homolog
 XP_688932.3 malignant fibrous histiocytoma-amplified sequence 1-like
 XP_002665369.2 malonyl-CoA decarboxylase, mitochondrial
 XP_003447101.1 malonyl-CoA decarboxylase, mitochondrial-like
 XP_001919135.3 maltase-glucoamylase, intestinal
 XP_003441765.1 maltase-glucoamylase, intestinal-like
 XP_003455019.1 maltase-glucoamylase, intestinal-like, partial
 XP_003733348.1 MAM and LDL-receptor class A domain-containing protein C10orf12-like
 XP_003437661.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 1-like
 XP_697640.5 MAM domain-containing glycosylphosphatidylinositol anchor protein 1-like, partial
 XP_002665249.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2
 XP_003440832.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2-like

XP_002753912.2 MAM domain-containing glycosylphosphatidylinositol anchor protein 2-like, partial
XP_003440262.1 MAM domain-containing protein 2
XP_001338824.3 MAM domain-containing protein 2 isoform X1
XP_001342524.2 mamu class II histocompatibility antigen, DR alpha chain-like isoform X1
XP_003438542.1 manganese-dependent ADP-ribose/CDP-alcohol diphosphatase-like
XP_003966360.1 mannan-binding lectin serine protease 1-like
XP_694435.2 mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
XP_004083938.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IA-like
XP_003267902.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IB
XP_004081438.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IB-like
XP_003341067.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IC
XP_004078357.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IC-like
XP_003452287.1 mannosyl-oligosaccharide glucosidase-like
XP_003967664.1 MANSC domain-containing protein 4-like
XP_004069192.1 MAP kinase-activated protein kinase 2-like
XP_003442711.1 MAP kinase-activated protein kinase 3-like
XP_001923988.3 MAP kinase-activating death domain protein isoformX1
XP_001923989.1 MAP kinase-activating death domain protein isoformX2
XP_004066987.1 MAP kinase-activating death domain protein-like
XP_003214649.1 MAP kinase-activating death domain protein-like isoform 2
XP_003812786.1 MAP kinase-interacting serine/threonine-protein kinase 1 isoform 3
XP_003445106.1 MAP kinase-interacting serine/threonine-protein kinase 2
XP_004018055.1 MAP/microtubule affinity-regulating kinase 3 isoform 2
XP_003734134.1 MAP/microtubule affinity-regulating kinase 3-like
XP_003447832.1 MAP/microtubule affinity-regulating kinase 3-like isoform 1
XP_003447834.1 MAP/microtubule affinity-regulating kinase 3-like isoform 3
XP_699946.3 MAP/microtubule affinity-regulating kinase 4-like
XP_003415349.1 MAP7 domain-containing protein 1-like
XP_001342278.2 MAP7 domain-containing protein 2-like
XP_004082239.1 MAPK/MAK/MRK overlapping kinase-like
XP_003965464.1 MARVEL domain-containing protein 2-like
XP_004086110.1 maspardin-like isoform 2
XP_687163.3 mast cell protease 4-like, partial
XP_003208537.1 mastermind-like domain-containing protein 1-like
XP_695719.3 mastermind-like protein 1-like
XP_003450249.1 mastermind-like protein 2-like
XP_003221701.1 mastermind-like protein 3-like
XP_003213788.1 maternal embryonic leucine zipper kinase-like
XP_002735800.1 matriptase-like
XP_003977982.1 matrix metalloproteinase-14-like
XP_001924042.3 matrix metalloproteinase-15
XP_002662954.2 matrix metalloproteinase-15-like
XP_003437895.1 matrix metalloproteinase-16-like
XP_698601.5 matrix metalloproteinase-17
XP_004073710.1 matrix metalloproteinase-17-like
XP_683002.5 matrix metalloproteinase-18-like
XP_003199461.1 matrix metalloproteinase-19-like
XP_003200101.1 matrix metalloproteinase-20-like
XP_001342721.4 matrix metalloproteinase-21-like
XP_003457883.1 matrix metalloproteinase-23-like
XP_002663942.1 matrix metalloproteinase-25-like
XP_003449360.1 matrix metalloproteinase-28-like
XP_001332376.4 matrix-remodeling-associated protein 5
XP_003439183.1 matrix-remodeling-associated protein 8-like
XP_425908.2 MAU2 chromatid cohesion factor homolog
XP_698607.2 max dimerization protein 1
XP_002667220.2 MAX gene-associated protein-like
XP_001372091.1 max-binding protein MNT-like
XP_003450010.1 max-interacting protein 1-like
XP_001920015.2 MBT domain-containing protein 1-like isoform X1
XP_002718343.1 mCG3164-like
XP_003200205.1 mdm2-binding protein-like
XP_003441769.1 MDS1 and EVI1 complex locus protein EVI1-like
XP_700974.4 meckelin
XP_003445314.1 mediator of RNA polymerase II transcription subunit 12-like
XP_003965612.1 mediator of RNA polymerase II transcription subunit 13-like, partial
XP_003203065.1 mediator of RNA polymerase II transcription subunit 14-like, partial
XP_001374872.1 mediator of RNA polymerase II transcription subunit 16
XP_003449007.1 mediator of RNA polymerase II transcription subunit 17-like
XP_003757496.1 mediator of RNA polymerase II transcription subunit 22
XP_003440817.1 mediator of RNA polymerase II transcription subunit 23-like
XP_001520358.2 mediator of RNA polymerase II transcription subunit 26-like
XP_003920937.1 mediator of RNA polymerase II transcription subunit 27 isoform 1
XP_004072885.1 mediator of RNA polymerase II transcription subunit 27-like
XP_003205386.1 mediator of RNA polymerase II transcription subunit 29-like, partial
XP_004073802.1 mediator of RNA polymerase II transcription subunit 30-like
XP_003801098.1 mediator of RNA polymerase II transcription subunit 6 isoform 2
XP_004082133.1 mediator of RNA polymerase II transcription subunit 6-like
XP_002667479.1 mediator of RNA polymerase II transcription subunit 9-like

XP_003496501.1 medium-chain specific acyl-CoA dehydrogenase, mitochondrial-like
XP_003440035.1 megakaryocyte-associated tyrosine-protein kinase
XP_003430340.1 megakaryocyte-associated tyrosine-protein kinase-like, partial
XP_003200815.1 meiosis inhibitor protein 1-like
XP_003442885.1 meiotically up-regulated gene 71 protein-like
XP_686842.2 melanin-concentrating hormone receptor 2-like
XP_002933963.1 melanocortin-2 receptor accessory protein 2
XP_003481674.1 melanocyte protein PMEL, partial
XP_003973179.1 melanocyte protein PMEL-like
XP_003200823.1 melanoma inhibitory activity protein 3 isoform X1
XP_004083603.1 melanoma inhibitory activity protein 3-like
XP_004077288.1 melanopsin-A-like
XP_002932874.1 melanopsin-B-like isoform X1
XP_694299.4 melanotransferrin
XP_003452410.1 melanotransferrin-like
XP_694081.2 melatonin receptor type 1A-A-like
XP_003451373.1 membralin-like
XP_003968850.1 membrane frizzled-related protein-like
XP_689191.2 membrane metallo-endopeptidase-like 1-like
XP_003201286.1 membrane protein FAM159A-like
XP_003440653.1 membrane protein FAM174B-like
XP_003447118.1 membrane protein MLC1-like
XP_003445258.1 membrane transport protein XK-like
XP_004070822.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1-like
XP_003440581.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2-like
XP_690190.5 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3
XP_003220632.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3-like
XP_002663715.2 membrane-associated phosphatidylinositol transfer protein 2-like
XP_003968594.1 membrane-associated phosphatidylinositol transfer protein 3-like
XP_003451532.1 membrane-associated transporter protein-like
XP_003458802.1 membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase-like
XP_699295.2 membrane-bound O-acyltransferase domain-containing protein 2
XP_003453314.1 membrane-bound O-acyltransferase domain-containing protein 2-like
XP_003439642.1 membrane-bound transcription factor site-1 protease
XP_003977796.1 membrane-bound transcription factor site-1 protease-like, partial
XP_001923190.2 membrane-spanning 4-domains subfamily A member 4A-like
XP_003459755.1 membrane-spanning 4-domains subfamily A member 4D-like
XP_002665104.1 membrane-spanning 4-domains subfamily A member 4D-like isoform X3
XP_003444291.1 meprin A subunit beta
XP_003457573.1 merlin-like
XP_003975153.1 merlin-like isoform 1
XP_001337121.1 mesoderm development candidate 1-like
XP_694533.2 mesoderm induction early response protein 1-like
XP_004083091.1 mesoderm-specific transcript homolog protein-like isoform 1
XP_004066104.1 mesothelin-like
XP_004066139.1 mesothelin-like protein-like
XP_002665785.2 metabotropic glutamate receptor 1
XP_001921594.3 metabotropic glutamate receptor 1 isoform X1
XP_003449935.1 metabotropic glutamate receptor 1-like
XP_692887.1 metabotropic glutamate receptor 2 isoform X4
XP_003448384.1 metabotropic glutamate receptor 2-like
XP_001364143.1 metabotropic glutamate receptor 3
XP_695566.4 metabotropic glutamate receptor 4 isoform X3
XP_003438840.1 metabotropic glutamate receptor 4-like
XP_696823.4 metabotropic glutamate receptor 5-like
XP_003457760.1 metabotropic glutamate receptor 7-like
XP_002666402.2 metabotropic glutamate receptor 7-like, partial
XP_003457670.1 metabotropic glutamate receptor 8
XP_001922055.1 metabotropic glutamate receptor 8-like
XP_001920447.2 metal transporter CNNM1
XP_003452018.1 metal transporter CNNM1-like
XP_003453832.1 metal transporter CNNM2
XP_003453044.1 metal transporter CNNM3-like
XP_001919541.2 metal transporter CNNM4
XP_003444544.1 metal transporter CNNM4-like
XP_002666690.2 metal transporter CNNM4-like isoform X1
XP_004080085.1 metallo-beta-lactamase domain-containing protein 1-like
XP_003439222.1 metalloendopeptidase homolog PEX-like
XP_002194575.1 metalloendopeptidase OMA1, mitochondrial
XP_604377.4 metallophosphoesterase domain-containing protein 1
XP_001339642.4 metallophosphoesterase domain-containing protein 1-like
XP_004075027.1 metalloprotease TIK1-like
XP_004068467.1 metalloprotease TIK2-like
XP_003445093.1 metalloproteinase inhibitor 3-like
XP_003454588.1 metalloproteinase inhibitor 4-like
XP_003207108.1 metalloredutase STEAP1-like
XP_001921185.1 metalloredutase STEAP2
XP_002663339.1 metalloredutase STEAP3 isoform X1
XP_004078554.1 metal-response element-binding transcription factor 2-like

XP_003458639.1 metastasis suppressor protein 1-like
XP_001333273.1 metastasis-associated protein MTA1-like isoform X1
XP_003458453.1 metastasis-associated protein MTA2
XP_003966841.1 metastasis-associated protein MTA2-like
XP_003977304.1 metastasis-associated protein MTA3-like, partial
XP_004082703.1 methionine aminopeptidase 1-like
XP_003448115.1 methionine aminopeptidase 2-like
XP_003201425.1 methionine aminopeptidase 2-like isoform 1
XP_689157.2 methionine synthase reductase isoform X3
XP_004068814.1 methionine--tRNA ligase, cytoplasmic-like
XP_003973541.1 methionine--tRNA ligase, cytoplasmic-like isoform 1
XP_694935.2 methionine--tRNA ligase, mitochondrial-like
XP_003460182.1 methionyl-tRNA formyltransferase, mitochondrial-like
XP_003440292.1 methyl-CpG-binding domain protein 2-like
XP_001507719.2 methyl-CpG-binding domain protein 3-like
XP_004067749.1 methyl-CpG-binding domain protein 3-like isoform 3
XP_004070828.1 methyl-CpG-binding domain protein 4-like
XP_003446635.1 methyl-CpG-binding domain protein 5-like
XP_003978263.1 methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial-like
XP_004084919.1 methylcytosine dioxygenase TET1-like
XP_004065962.1 methylcytosine dioxygenase TET2-like
XP_003964109.1 methylcytosine dioxygenase TET3-like
XP_004086390.1 methylenetetrahydrofolate reductase-like
XP_003979041.1 methylenetetrahydrofolate reductase-like, partial
XP_003460360.1 methylglutaconyl-CoA hydratase, mitochondrial-like
XP_003440708.1 methylmalonate-semialdehyde dehydrogenase
XP_003972508.1 methylmalonic aciduria type A protein, mitochondrial-like
XP_004083388.1 methylmalonyl-CoA mutase, mitochondrial-like
XP_001519221.2 methylosome subunit pICln-like, partial
XP_003972078.1 methylthioribose-1-phosphate isomerase-like
XP_001504422.2 methyltransferase like 16
XP_004077125.1 methyltransferase-like protein 10-like
XP_003454258.1 methyltransferase-like protein 14-like
XP_003447559.1 methyltransferase-like protein 17, mitochondrial-like
XP_003453226.1 methyltransferase-like protein 21A-like
XP_003441400.1 methyltransferase-like protein 21B-like
XP_003457990.1 methyltransferase-like protein 22-like
XP_003961967.1 methyltransferase-like protein 2-A-like
XP_689178.3 methyltransferase-like protein 4-like
XP_003207265.1 methyltransferase-like protein 6-like
XP_003451783.1 mevalonate kinase-like
XP_002731422.1 MGC80781 protein-like
XP_003452863.1 MHC class II regulatory factor RFX1-like
XP_001922175.2 MICAL-like 1
XP_003124307.3 MICAL-like protein 2
XP_003442230.1 MICAL-like protein 2-like
XP_003199738.1 microcephalin isoform X1
XP_003210419.1 microfibril-associated glycoprotein 3-like
XP_002660664.2 microfibril-associated glycoprotein 4
XP_003449490.1 microfibril-associated glycoprotein 4-like
XP_001339837.3 microfibril-associated glycoprotein 4-like isoform X1
XP_001339903.1 microfibril-associated glycoprotein 4-like isoform X1
XP_003456937.1 microfibrillar-associated protein 1-like
XP_686013.4 microfibrillar-associated protein 3-like isoform 3
XP_003973804.1 microphthalmia-associated transcription factor-like isoform 2
XP_003205799.1 microsomal triglyceride transfer protein large subunit-like
XP_002934813.1 microsomal triglyceride transfer protein large subunit-like isoform X1
XP_003200667.1 microtubule-actin cross-linking factor 1, isoforms 1/2/3/5
XP_695869.4 microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like
XP_003454660.1 microtubule-actin cross-linking factor 1-like
XP_001921072.3 microtubule-associated protein 1A isoform X1
XP_001338014.4 microtubule-associated protein 1A-like isoform X1
XP_691274.3 microtubule-associated protein 1B
XP_001508150.2 microtubule-associated protein 2
XP_002660857.2 microtubule-associated protein 2-like
XP_002191379.1 microtubule-associated protein 4, partial
XP_001336546.3 microtubule-associated protein 6
XP_003975655.1 microtubule-associated protein 6 homolog
XP_002664657.1 microtubule-associated protein 6-like
XP_684861.3 microtubule-associated protein futsch isoform X2
XP_003437917.1 microtubule-associated protein RP/EB family member 2-like
XP_003442948.1 microtubule-associated protein RP/EB family member 3-like
XP_003222596.1 microtubule-associated protein tau-like
XP_003220607.1 microtubule-associated proteins 1A/1B light chain 3A-like
XP_003444773.1 microtubule-associated proteins 1A/1B light chain 3C-like
XP_003447970.1 microtubule-associated serine/threonine-protein kinase 1-like
XP_003976107.1 microtubule-associated serine/threonine-protein kinase 1-like, partial
XP_004068287.1 microtubule-associated serine/threonine-protein kinase 2-like
XP_001508735.2 microtubule-associated serine/threonine-protein kinase 2-like, partial

XP_003199517.1 microtubule-associated serine/threonine-protein kinase 3-like
XP_003449659.1 microtubule-associated serine/threonine-protein kinase 4-like
XP_002664587.2 microtubule-associated tumor suppressor candidate 2-like
XP_684038.3 microtubule-associated tumor suppressor candidate 2-like isoform X2
XP_003200751.1 midasin
XP_003765635.1 midline-1 isoform 1
XP_003440987.1 midline-1-like
XP_871252.2 midnolin isoform 2
XP_003449723.1 mineralocorticoid receptor-like isoform 2
XP_683585.4 minor histocompatibility protein HA-1
XP_003439743.1 minor histocompatibility protein HA-1-like
XP_002665195.2 mirror-image polydactyly gene 1 protein
XP_693648.4 mismatch repair endonuclease PMS2
XP_002120346.1 mismatch repair endonuclease PMS2-like
XP_003456881.1 misshapen-like kinase 1-like isoform 1
XP_003971179.1 misshapen-like kinase 1-like isoform 2
XP_003439814.1 mitochondria-eating protein-like
XP_002661418.2 mitochondrial 10-formyltetrahydrofolate dehydrogenase
XP_003962302.1 mitochondrial 2-oxodicarboxylate carrier-like
XP_003230195.1 mitochondrial 2-oxoglutarate/malate carrier protein-like, partial
XP_004082289.1 mitochondrial carnitine/acylcarnitine carrier protein CACL-like
XP_003441473.1 mitochondrial carnitine/acylcarnitine carrier protein-like
XP_003445992.1 mitochondrial carrier triple repeat protein 6-like
XP_003458890.1 mitochondrial chaperone BCS1-like
XP_004079244.1 mitochondrial coenzyme A transporter SLC25A42-like
XP_003450070.1 mitochondrial dicarboxylate carrier-like
XP_003449392.1 mitochondrial fission 1 protein-like
XP_001336867.1 mitochondrial fission factor-like isoform 1
XP_004075823.1 mitochondrial fission factor-like isoform 2
XP_004074810.1 mitochondrial fission process protein 1-like
XP_001923807.2 mitochondrial glutamate carrier 1 isoform X1
XP_001922072.1 mitochondrial glutamate carrier 1-like
XP_003439991.1 mitochondrial import inner membrane translocase subunit Tim13-A-like
XP_003477766.1 mitochondrial import inner membrane translocase subunit TIM16-like isoform X1
XP_688866.2 mitochondrial import inner membrane translocase subunit Tim21
XP_003198763.1 mitochondrial import inner membrane translocase subunit Tim22-like
XP_003453444.1 mitochondrial import inner membrane translocase subunit Tim23-like
XP_003199736.1 mitochondrial import inner membrane translocase subunit Tim23-like isoform X1
XP_003439971.1 mitochondrial import inner membrane translocase subunit TIM44-like
XP_004075243.1 mitochondrial import inner membrane translocase subunit TIM50-like
XP_003970610.1 mitochondrial import inner membrane translocase subunit Tim8 A-like
XP_004082181.1 mitochondrial import inner membrane translocase subunit Tim9-like isoform 2
XP_002917136.1 mitochondrial import receptor subunit TOM70-like
XP_003906745.1 mitochondrial inner membrane protease ATP23 homolog
XP_001344847.2 mitochondrial intermediate peptidase isoform X1
XP_004075894.1 mitochondrial intermediate peptidase-like
XP_003961772.1 mitochondrial pyruvate carrier 2-like
XP_003198159.1 mitochondrial Rho GTPase 1-A-like
XP_003445818.1 mitochondrial ribonuclease P protein 1-like
XP_683289.3 mitochondrial ribonuclease P protein 3-like
XP_004086766.1 mitochondrial sodium/hydrogen exchanger 9B2-like
XP_699710.2 mitochondrial sodium/hydrogen exchanger 9B2-like isoform X2
XP_003454278.1 mitochondrial sodium/hydrogen exchanger NHA2-like
XP_004084364.1 mitochondrial tRNA-specific 2-thiouridylase 1-like
XP_004072101.1 mitochondrial-processing peptidase subunit alpha-like
XP_002803483.1 mitochondrial-processing peptidase subunit beta-like
XP_004072711.1 mitoferrin-1-like
XP_003199797.1 mitoferrin-2
XP_003451967.1 mitoferrin-2-like
XP_003974302.1 mitofusin-1-like
XP_003459870.1 mitofusin-2-like
XP_003965227.1 mitogen-activated protein kinase 10-like isoform 2
XP_004082893.1 mitogen-activated protein kinase 11-like
XP_001337833.2 mitogen-activated protein kinase 13
XP_003441575.1 mitogen-activated protein kinase 14A isoform 1
XP_003441576.1 mitogen-activated protein kinase 14A isoform 2
XP_003973659.1 mitogen-activated protein kinase 14B-like isoform 1
XP_003212874.1 mitogen-activated protein kinase 14-like
XP_003444206.1 mitogen-activated protein kinase 15-like
XP_003964518.1 mitogen-activated protein kinase 1-like
XP_003438594.1 mitogen-activated protein kinase 8B-like
XP_002663531.2 mitogen-activated protein kinase kinase kinase 1 isoform X1
XP_689424.4 mitogen-activated protein kinase kinase kinase 10
XP_003454883.1 mitogen-activated protein kinase kinase kinase 10-like
XP_004080096.1 mitogen-activated protein kinase kinase kinase 11-like
XP_003438849.1 mitogen-activated protein kinase kinase kinase 12-like
XP_696830.5 mitogen-activated protein kinase kinase kinase 13 isoform X3
XP_004081923.1 mitogen-activated protein kinase kinase kinase 13-like
XP_004071629.1 mitogen-activated protein kinase kinase kinase 14-like

XP_002661254.1 mitogen-activated protein kinase kinase kinase 14-like isoform X1
XP_003201359.1 mitogen-activated protein kinase kinase kinase 15 isoform X1
XP_003218923.1 mitogen-activated protein kinase kinase kinase 15-like
XP_003446619.1 mitogen-activated protein kinase kinase kinase 2-like
XP_688694.2 mitogen-activated protein kinase kinase kinase 3
XP_003442168.1 mitogen-activated protein kinase kinase kinase 3-like
XP_003215832.1 mitogen-activated protein kinase kinase kinase 4-like
XP_003450598.1 mitogen-activated protein kinase kinase kinase 5-like
XP_003456059.1 mitogen-activated protein kinase kinase kinase 7-like
XP_692177.2 mitogen-activated protein kinase kinase kinase 8-like
XP_003473094.1 mitogen-activated protein kinase kinase kinase kinase 3 isoformX2
XP_003438275.1 mitogen-activated protein kinase kinase kinase kinase 3-like
XP_004077032.1 mitogen-activated protein kinase kinase kinase kinase 3-like isoform 1
XP_003499858.1 mitogen-activated protein kinase kinase kinase kinase 4
XP_003765724.1 mitogen-activated protein kinase kinase kinase kinase 4 isoform 8
XP_003224326.1 mitogen-activated protein kinase kinase kinase kinase 4-like isoform 1
XP_003456452.1 mitogen-activated protein kinase kinase kinase kinase 5-like
XP_690016.2 mitogen-activated protein kinase kinase kinase MLK4
XP_003438467.1 mitogen-activated protein kinase kinase kinase MLK4-like
XP_687660.2 mitogen-activated protein kinase kinase kinase MLT
XP_001499246.2 mitogen-activated protein kinase kinase kinase MLT-like
XP_003205807.1 mitogen-activated protein kinase scaffold protein 1-like
XP_001500809.2 mitogen-activated protein kinase-binding protein 1
XP_001920759.3 mitogen-activated protein kinase-binding protein 1-like
XP_003200365.1 mitogen-activated protein kinase-binding protein 1-like, partial
XP_695384.3 mitotic checkpoint serine/threonine-protein kinase BUB1 beta
XP_696337.3 mitotic checkpoint serine/threonine-protein kinase BUB1 beta isoform X4
XP_003447870.1 mitotic checkpoint serine/threonine-protein kinase BUB1 beta-like
XP_002665685.2 mitotic checkpoint serine/threonine-protein kinase BUB1 isoform X1
XP_003962987.1 mitotic spindle assembly checkpoint protein MAD2B-like
XP_003962223.1 MKI67 FHA domain-interacting nucleolar phosphoprotein-like, partial
XP_003228504.1 MKL/myocardin-like protein 2-like
XP_001333839.2 MKL/myocardin-like protein 2-like isoform X1
XP_001369496.2 MLN64 N-terminal domain homolog
XP_003451742.1 MLX-interacting protein-like
XP_001920456.2 MMS19 nucleotide excision repair protein homolog isoform X1
XP_004074716.1 MOB kinase activator 1B-like
XP_001339864.2 MOB kinase activator 2
XP_003967404.1 MOB kinase activator 2-like
XP_003961682.1 MOB-like protein phocein-like isoform 1
XP_003445571.1 molybdenum cofactor biosynthesis protein 1-like
XP_001339480.1 monoacylglycerol lipase abhd6-B
XP_003438911.1 monoacylglycerol lipase ABHD6-like
XP_004083664.1 monocarboxylate transporter 10-like
XP_003458923.1 monocarboxylate transporter 13-like
XP_004082898.1 monocarboxylate transporter 2-like
XP_686130.1 monocarboxylate transporter 3-like
XP_004070456.1 monocarboxylate transporter 5-like
XP_693886.4 monocarboxylate transporter 6-like
XP_690266.2 monocarboxylate transporter 7-like isoform X2
XP_003970295.1 monocarboxylate transporter 8-like
XP_003963785.1 monocarboxylate transporter 9-like
XP_690911.3 monocyte to macrophage differentiation factor 2-like
XP_003224733.1 monofunctional C1-tetrahydrofolate synthase, mitochondrial-like
XP_003444884.1 monoglyceride lipase-like
XP_002733450.1 MORN repeat containing 1-like
XP_003444439.1 MORN repeat-containing protein 5-like
XP_003642943.1 mothers against decapentaplegic homolog 2-like isoformX2
XP_003755725.1 mothers against decapentaplegic homolog 3
XP_003969687.1 mothers against decapentaplegic homolog 3-like isoform 1
XP_003967502.1 mothers against decapentaplegic homolog 3-like isoform 2
XP_004066935.1 mothers against decapentaplegic homolog 3-like isoform 3
XP_004074821.1 mothers against decapentaplegic homolog 4-like
XP_001922725.2 mothers against decapentaplegic homolog 4-like isoform X1
XP_003965218.1 mothers against decapentaplegic homolog 7-like
XP_001066482.1 motile sperm domain-containing protein 1-like
XP_003439271.1 motor neuron and pancreas homeobox protein 1-like
XP_004074677.1 M-phase phosphoprotein 9-like
XP_003450601.1 M-protein, striated muscle-like
XP_001511938.1 mps one binder kinase activator-like 1A-like
XP_003447198.1 mps one binder kinase activator-like 2-like
XP_003456339.1 mps one binder kinase activator-like 3-like
XP_004068032.1 mpv17-like protein 2-like
XP_691639.1 mpv17-like protein-like
XP_691653.1 mpv17-like protein-like isoform X2
XP_003442704.1 mRNA export factor-like
XP_003204405.1 mRNA-capping enzyme-like, partial
XP_003444896.1 mRNA-decapping enzyme 1A-like
XP_003201252.1 mrx2-interacting protein

XP_002666145.2 msx2-interacting protein isoform X1
 XP_706380.3 mucin-17-like isoform X3
 XP_003385360.1 mucin-19-like
 XP_002667130.2 mucin-19-like, partial
 XP_003943399.1 mucin-2
 XP_002667590.2 mucin-2, partial
 XP_002667589.2 mucin-2-like
 XP_003214877.1 mucin-5AC-like
 XP_001336199.1 mucolipin-1
 XP_003216877.1 mucolipin-1-like
 XP_003452579.1 mucolipin-2-like
 XP_001341182.4 mucolipin-3-like, partial
 XP_699905.4 mucosa-associated lymphoid tissue lymphoma translocation protein 1
 XP_690409.3 mucosa-associated lymphoid tissue lymphoma translocation protein 1 isoform X2
 XP_004072191.1 multicilin-like
 XP_688576.2 multidrug and toxin extrusion protein 1-like
 XP_682817.3 multidrug and toxin extrusion protein 1-like isoform X2
 XP_001922717.3 multidrug resistance protein 1 isoform X1
 XP_002661245.1 multidrug resistance-associated protein 1
 XP_001341895.3 multidrug resistance-associated protein 1 isoform 1
 XP_003453846.1 multidrug resistance-associated protein 1-like
 XP_003447403.1 multidrug resistance-associated protein 4-like
 XP_004073112.1 multidrug resistance-associated protein 5-like
 XP_003454140.1 multidrug resistance-associated protein 7-like
 XP_003437754.1 multidrug resistance-associated protein 9
 XP_696904.3 multidrug resistance-associated protein 9-like
 XP_003439976.1 multifunctional protein ADE2-like
 XP_694616.4 multimerin-2
 XP_001362273.1 multiple C2 and transmembrane domain-containing protein 1
 XP_001921315.2 multiple C2 and transmembrane domain-containing protein 1-like
 XP_690870.5 multiple C2 and transmembrane domain-containing protein 2
 XP_003437751.1 multiple C2 and transmembrane domain-containing protein 2-like
 XP_002926737.1 multiple C2 and transmembrane domain-containing protein 2-like isoform 2
 XP_001922524.2 multiple EGF-like-domains 10
 XP_424719.3 multiple EGF-like-domains 10 isoform X2
 XP_693497.5 multiple EGF-like-domains 6a
 XP_004078548.1 multiple epidermal growth factor-like domains protein 10-like
 XP_003454615.1 multiple epidermal growth factor-like domains protein 6
 XP_004068804.1 multiple epidermal growth factor-like domains protein 6-like
 XP_685976.5 multiple epidermal growth factor-like domains protein 6-like, partial
 XP_003458843.1 multiple epidermal growth factor-like domains protein 8-like
 XP_001369335.2 multiple epidermal growth factor-like domains protein 9-like
 XP_003438415.1 multiple inositol polyphosphate phosphatase 1-like
 XP_002800170.1 multiple PDZ domain protein
 XP_003442254.1 multiple RNA-binding domain-containing protein 1-like
 XP_003423097.1 multiprotein-bridging factor 1-like
 XP_004066371.1 multivesicular body subunit 12A-like
 XP_003228246.1 multivesicular body subunit 12B-like
 XP_004083144.1 muscarinic acetylcholine receptor M2-like
 XP_700381.4 muscarinic acetylcholine receptor M3
 XP_001919160.1 muscarinic acetylcholine receptor M3-like
 XP_001922442.1 muscarinic acetylcholine receptor M4 isoform X1
 XP_685054.3 muscle M-line assembly protein unc-89-like isoform X2
 XP_003440302.1 muscle, skeletal receptor tyrosine protein kinase-like
 XP_003454840.1 muscleblind-like protein 1 isoform 4
 XP_003968391.1 muscleblind-like protein 1-like isoform 2
 XP_003438215.1 muscleblind-like protein 1-like isoform 6
 XP_003438217.1 muscleblind-like protein 1-like isoform 8
 XP_004066772.1 muscleblind-like protein 2a-like
 XP_684279.3 musculin-like
 XP_004083019.1 muskelin-like
 XP_688406.1 mutS protein homolog 4
 XP_004082354.1 mutS protein homolog 4-like
 XP_003450992.1 mutS protein homolog 5
 XP_003966181.1 mutS protein homolog 5-like
 XP_001920843.2 myb-like protein X-like
 XP_686862.2 myb-related protein A isoform X2
 XP_003200233.1 myb-related transcription factor, partner of profilin-like isoform X1
 XP_004081911.1 myc box-dependent-interacting protein 1-like
 XP_003450076.1 MYCBP-associated protein-like
 XP_002666688.1 mycophenolic acid acyl-glucuronide esterase, mitochondrial
 XP_003438271.1 myelin and lymphocyte protein-like
 XP_003459900.1 myelin and lymphocyte protein-like isoform 1
 XP_003447248.1 myelin basic protein-like
 XP_004066951.1 myelin expression factor 2-like
 XP_003440386.1 myelin gene regulatory factor-like
 XP_002667695.2 myelin gene regulatory factor-like, partial
 XP_003449347.1 myelin protein zero-like protein 3-like
 XP_003445933.1 myelin proteolipid protein-like

XP_003456898.1 myelin proteolipid protein-like isoform 1
XP_685050.3 myelin transcription factor 1
XP_003201223.1 myelin transcription factor 1-like
XP_003798605.1 myelin transcription factor 1-like protein isoform 2
XP_002665311.2 myelin transcription factor 1-like protein-like
XP_003450901.1 myeloid leukemia factor 1-like
XP_004078029.1 myeloid leukemia factor 2-like
XP_690393.1 myeloid-associated differentiation marker homolog
XP_003979785.1 myeloid-associated differentiation marker-like
XP_699072.1 myeloid-associated differentiation marker-like protein 2-like
XP_004072637.1 myeloperoxidase-like
XP_004080744.1 myocardin-like
XP_003442238.1 myocardin-related transcription factor B-like
XP_003453377.1 myocilin-like
XP_003967109.1 myocyte-specific enhancer factor 2A homolog isoform 3
XP_004067795.1 myocyte-specific enhancer factor 2B-like
XP_003975080.1 myocyte-specific enhancer factor 2C-like isoform 5
XP_003456464.1 myocyte-specific enhancer factor 2D homolog
XP_001923837.1 myoD family inhibitor domain-containing protein-like
XP_003200777.1 myomegalin-like
XP_003199069.1 myomesin-1 isoform 2
XP_003199488.1 myomesin-2
XP_003201626.1 myomesin-2-like
XP_002667582.2 myomesin-2-like, partial
XP_001921065.3 myomesin-3
XP_004078492.1 myomesin-3-like
XP_003903921.1 myopalladin isoform 3
XP_001924014.2 myosin heavy chain, fast skeletal muscle
XP_003200959.1 myosin heavy chain, fast skeletal muscle-like
XP_002718840.1 myosin ID
XP_003445346.1 myosin light chain 1, skeletal muscle isoform-like
XP_004066694.1 myosin light chain 3, skeletal muscle isoform-like
XP_003438135.1 myosin light chain 3-like
XP_004074793.1 myosin light chain 4-like
XP_697394.2 myosin light chain kinase family member 4
XP_003207733.1 myosin light chain kinase, smooth muscle-like
XP_003460405.1 myosin light chain kinase, smooth muscle-like, partial
XP_004070490.1 myosin light polypeptide 6-like isoform 2
XP_003438548.1 myosin phosphatase Rho-interacting protein-like
XP_003926940.1 myosin regulatory light chain 12B-like
XP_002927596.1 myosin regulatory light polypeptide 9-like
XP_004069230.1 myosin regulatory light polypeptide 9-like isoform 2
XP_691467.4 myosin-10-like
XP_004066249.1 myosin-11-like
XP_003127406.3 myosin-14-like
XP_003442006.1 myosin-1-like
XP_001337059.3 myosin-2 heavy chain-like isoform 1
XP_003996341.1 myosin-3
XP_003975582.1 myosin-7
XP_002666777.1 myosin-7-like
XP_696132.3 myosin-7-like isoform X2
XP_003443121.1 myosin-9-like
XP_003445737.1 myosin-binding protein C, cardiac-type-like
XP_003438668.1 myosin-binding protein C, fast-type-like
XP_003443377.1 myosin-Ib isoform 1
XP_003443378.1 myosin-Ib isoform 2
XP_003442404.1 myosin-Ie-like
XP_003447238.1 myosin-Ig-like
XP_004081390.1 myosin-IIa-like
XP_003977006.1 myosin-IIa-like, partial
XP_003961970.1 myosin-IIb-like
XP_003450805.1 myosin-IXa
XP_003209364.1 myosin-IXa-like
XP_003440030.1 myosin-IXb
XP_002667406.2 myosin-IXb-like
XP_002666214.2 myosin-IXb-like, partial
XP_003495104.1 myosin-Va-like
XP_003200915.1 myosin-Vb-like
XP_001921522.1 myosin-VIIa-like
XP_003226029.1 myosin-VIIa-like, partial
XP_003197980.1 myosin-X
XP_003456177.1 myosin-XIX-like
XP_003447471.1 myosin-X-like
XP_003452982.1 myosin-XVI
XP_003439670.1 myosin-XVIIIb
XP_003199443.1 myosin-XVIIIb-like, partial
XP_003199677.1 myosin-XV-like
XP_003430359.1 myosin-XV-like, partial
XP_004086809.1 myotubularin-like

XP_420356.2 myotubularin-related protein 1 isoform X6
 XP_004078559.1 myotubularin-related protein 10-like
 XP_003965745.1 myotubularin-related protein 11-like
 XP_003442425.1 myotubularin-related protein 13-like
 XP_003206258.1 myotubularin-related protein 13-like, partial
 XP_003446558.1 myotubularin-related protein 14-like
 XP_003210176.1 myotubularin-related protein 14-like, partial
 XP_003421279.1 myotubularin-related protein 1-like
 XP_003974778.1 myotubularin-related protein 3-like
 XP_002667032.2 myotubularin-related protein 4
 XP_003456173.1 myotubularin-related protein 4-like
 XP_003449792.1 myotubularin-related protein 5-like
 XP_003200933.1 myozenin-2-like
 XP_003223085.1 N(G),N(G)-dimethylarginine dimethylaminohydrolase 1-like
 XP_004073823.1 N(G),N(G)-dimethylarginine dimethylaminohydrolase 2-like
 XP_003128628.1 N6-adenosine-methyltransferase 70 kDa subunit
 XP_003455847.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF1-like
 XP_414851.3 Na(+)/H(+) exchange regulatory cofactor NHE-RF2
 XP_004071758.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF2-like
 XP_685398.2 Na(+)/H(+) exchange regulatory cofactor NHE-RF3
 XP_003200324.1 Na(+)/H(+) exchanger beta-like, partial
 XP_003447584.1 N-acetylaspartate synthetase-like
 XP_001495703.2 N-acetylated alpha-linked acidic dipeptidase 2
 XP_002188080.1 N-acetylated-alpha-linked acidic dipeptidase 2
 XP_004075796.1 N-acetylated-alpha-linked acidic dipeptidase 2-like
 XP_001920875.3 n-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1-like
 XP_002914169.1 n-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2-like
 XP_002933701.1 N-acetylgalactosamine-6-sulfatase
 XP_003209945.1 n-acetylgalactosamine-6-sulfatase-like
 XP_004067103.1 N-acetylgalactosamine-6-sulfatase-like isoform 2
 XP_004066191.1 N-acetylgalactosaminyltransferase 7-like
 XP_003456477.1 N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase-like
 XP_004083233.1 N-acetylglucosamine-1-phosphotransferase subunits alpha/beta-like
 XP_003439675.1 N-acetylglucosamine-6-sulfatase-like
 XP_708461.1 n-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase-like isoform 2
 XP_003761031.1 N-acetylmuramoyl-L-alanine amidase
 XP_003443115.1 N-acetylmuramoyl-L-alanine amidase-like
 XP_003223470.1 n-acetylneuraminatase lyase-like
 XP_003451636.1 N-acetylserotonin O-methyltransferase-like protein-like
 XP_001344029.2 N-acetyltransferase 9
 XP_003431193.1 NACHT and WD repeat domain-containing protein 1
 XP_002663751.2 NACHT and WD repeat domain-containing protein 1-like
 XP_001919428.3 NACHT, LRR and PYD domains-containing protein 1
 XP_003456958.1 NACHT, LRR and PYD domains-containing protein 10-like
 XP_001336197.4 NACHT, LRR and PYD domains-containing protein 12
 XP_001919081.2 NACHT, LRR and PYD domains-containing protein 12 isoform 2
 XP_002661627.2 NACHT, LRR and PYD domains-containing protein 12-like
 XP_003201659.1 NACHT, LRR and PYD domains-containing protein 12-like, partial
 XP_001346239.4 NACHT, LRR and PYD domains-containing protein 14
 XP_682940.5 NACHT, LRR and PYD domains-containing protein 14-like
 XP_002661679.2 NACHT, LRR and PYD domains-containing protein 1-like
 XP_003977509.1 NACHT, LRR and PYD domains-containing protein 2-like
 XP_687146.3 NACHT, LRR and PYD domains-containing protein 3
 XP_001919795.2 NACHT, LRR and PYD domains-containing protein 3-like
 XP_003200136.1 NACHT, LRR and PYD domains-containing protein 3-like, partial
 XP_001070253.2 NACHT, LRR and PYD domains-containing protein 4B-like
 XP_003456569.1 NACHT, LRR and PYD domains-containing protein 4C-like
 XP_003199101.1 NACHT, LRR and PYD domains-containing protein 6-like
 XP_003456743.1 NACHT, LRR and PYD domains-containing protein 9-like
 XP_003442664.1 N-acylethanolamine-hydrolyzing acid amidase-like
 XP_003439652.1 NAD kinase domain-containing protein 1-like
 XP_004075165.1 NAD kinase domain-containing protein 1-like isoform 1
 XP_004075166.1 NAD kinase domain-containing protein 1-like isoform 2
 XP_003455386.1 NAD kinase-like
 XP_003216272.1 NAD(P) transhydrogenase, mitochondrial-like
 XP_001332525.3 NAD(P)(+)-arginine ADP-ribosyltransferase 2-like
 XP_003455858.1 NAD-dependent deacetylase sirtuin-7-like
 XP_004072369.1 NAD-dependent malic enzyme, mitochondrial-like
 XP_004077552.1 NAD-dependent protein deacetylase sirtuin-1-like isoform 1
 XP_001336438.3 NAD-dependent protein deacetylase sirtuin-7 isoform X1
 XP_003439471.1 NADH-cytochrome b5 reductase 2-like
 XP_003452062.1 NADH-cytochrome b5 reductase 3-like
 XP_002938500.1 NADP-dependent malic enzyme
 XP_003453008.1 NADP-dependent malic enzyme, mitochondrial-like
 XP_003924644.1 NADP-dependent oxidoreductase domain-containing protein 1
 XP_003441698.1 NADPH oxidase 4-like
 XP_001921894.1 NADPH oxidase 5
 XP_003967382.1 NADPH oxidase 5-like
 XP_003199702.1 NADPH:adrenodoxin oxidoreductase, mitochondrial-like

XP_003449358.1 NADPH--cytochrome P450 reductase-like
XP_003410421.1 N-alpha-acetyltransferase 15, NatA auxiliary subunit-like
XP_003983872.1 N-alpha-acetyltransferase 20
XP_003453022.1 N-alpha-acetyltransferase 25, NatB auxiliary subunit
XP_004085397.1 N-alpha-acetyltransferase 25, NatB auxiliary subunit-like
XP_003216507.1 n-alpha-acetyltransferase 35, NatC auxiliary subunit-like
XP_003443555.1 N-alpha-acetyltransferase 50, NatE catalytic subunit-like
XP_688091.3 Nance-Horan syndrome protein
XP_001919340.3 Nance-Horan syndrome protein, partial
XP_004085391.1 nance-Horan syndrome protein-like
XP_003199884.1 nanos homolog 1
XP_003968060.1 nanos homolog 2-like
XP_694205.1 nardilysin isoform X2
XP_003442865.1 nardilysin-like
XP_682740.4 nasal embryonic luteinizing hormone-releasing hormone factor-like
XP_001093000.2 n-chimaerin isoform 5
XP_002749359.2 N-chimaerin-like
XP_003963845.1 nck-associated protein 1-like isoform 2
XP_003963846.1 nck-associated protein 1-like isoform 3
XP_003907746.1 nck-associated protein 1-like, partial
XP_003441298.1 NCK-interacting protein with SH3 domain-like
XP_002666143.2 NCK-interacting protein with SH3 domain-like, partial
XP_003454922.1 nebulin-like
XP_004081575.1 nebulin-like, partial
XP_003441902.1 nebulin-related-anchoring protein isoform 2
XP_003961641.1 nebulin-related-anchoring protein-like
XP_001378127.1 NEDD4 family-interacting protein 1-like
XP_004080027.1 NEDD4-binding protein 1-like
XP_693749.2 NEDD4-binding protein 2-like 2-like
XP_003970515.1 NEDD4-binding protein 3-like
XP_003201413.1 NEDD4-like E3 ubiquitin-protein ligase WWP1-like
XP_001364053.1 NEDD8-activating enzyme E1 catalytic subunit isoform 2
XP_003972498.1 nef-associated protein 1-like
XP_004069158.1 negative elongation factor C/D-like isoform 1
XP_003441549.1 negative elongation factor D-like
XP_002667481.2 neogenin, partial
XP_003227756.1 neogenin-like
XP_003449488.1 neoverrucotoxin subunit alpha-like
XP_001344129.2 neoverrucotoxin subunit beta-like
XP_003454466.1 nephrin
XP_004081153.1 nephrocystin-3-like
XP_004065965.1 nephronectin-like
XP_003454836.1 neprilysin-like
XP_001787791.1 nesprin-1-like
XP_687774.5 nesprin-2
XP_003446370.1 nesprin-2-like
XP_001919922.1 nestin
XP_002719022.1 netrin 1, partial
XP_004075216.1 netrin receptor DCC-like
XP_003445980.1 netrin receptor UNC5A-like
XP_003441212.1 netrin receptor UNC5B-like
XP_003221222.1 netrin receptor UNC5C-like
XP_003200904.1 netrin receptor UNC5D
XP_003200906.1 netrin receptor UNC5D-like
XP_003217205.1 netrin-1-like
XP_003438664.1 netrin-3-like
XP_688995.3 netrin-4-like
XP_003967873.1 netrin-G1-like
XP_003965338.1 netrin-G2-like
XP_001515932.2 netrin-G2-like, partial
XP_689353.5 neurabin-1
XP_003447427.1 neurabin-1-like
XP_686514.3 neurabin-2-like
XP_694481.5 neural cell adhesion molecule 1-like
XP_003446066.1 neural cell adhesion molecule L1-like
XP_003442769.1 neural cell adhesion molecule L1-like protein-like
XP_688089.3 neural precursor cell expressed, developmentally down-regulated 4-like isoform X12
XP_684540.4 neural proliferation differentiation and control protein 1-like isoform X2
XP_003967258.1 neural Wiskott-Aldrich syndrome protein-like
XP_001921123.2 neural-cadherin-like
XP_004065709.1 neuralized-like protein 1A-like
XP_682914.4 neuralized-like protein 4-like
XP_003964247.1 neurexin-1a-alpha-like
XP_003441938.1 neurexin-1-alpha-like
XP_004051501.1 neurexin-2-alpha-like
XP_002197762.1 neurexophilin-1
XP_691473.2 neurexophilin-1-like
XP_001337769.1 neurexophilin-2
XP_698522.2 neurexophilin-2-like

XP_003973505.1 neurexophilin-4-like
XP_003270309.1 neurobeachin isoform 1
XP_004054416.1 neurobeachin, partial
XP_003219265.1 neurobeachin-like
XP_002662311.2 neurobeachin-like 1 isoform X1
XP_003440955.1 neurobeachin-like protein 1
XP_003966536.1 neurobeachin-like protein 1-like
XP_003200210.1 neurobeachin-like protein 2-like
XP_002923509.1 neurobeachin-like, partial
XP_687696.3 neuroblast differentiation-associated protein AHNAK
XP_695009.4 neuroblast differentiation-associated protein AHNAK isoform X3
XP_003444759.1 neuroblast differentiation-associated protein AHNAK-like
XP_001335151.4 neuroblast differentiation-associated protein AHNAK-like isoform X1
XP_003971696.1 neuroblastoma-amplified sequence-like
XP_004079363.1 neurocan core protein-like
XP_004074368.1 neurochondrin-like
XP_003964043.1 neuroendocrine convertase 2-like
XP_001921978.2 neurofascin-like
XP_692937.4 neurofibromin isoform X3
XP_003458379.1 neurofibromin, partial
XP_706520.4 neurofilament heavy polypeptide-like isoform X2
XP_003444472.1 neurofilament light polypeptide-like
XP_696330.3 neurofilament medium polypeptide isoform X2
XP_004075033.1 neurofilament medium polypeptide-like
XP_002665055.2 neurogenic locus notch homolog protein 1
XP_002759849.2 neurogenic locus notch homolog protein 2
XP_003451406.1 neurogenic locus notch homolog protein 2-like
XP_003944881.1 neurogenic locus notch homolog protein 3
XP_003447796.1 neuroglobin-1-like
XP_003198746.1 neurogranin isoform 1
XP_001505373.1 neuroligin-1-like, partial
XP_002745612.1 neuromedin-K receptor
XP_003454277.1 neuromedin-K receptor-like
XP_685405.3 neuromedin-U receptor 1-like
XP_695127.1 neuromedin-U receptor 2-like
XP_003448315.1 neuron navigator 1
XP_003453708.1 neuron navigator 1-like
XP_002666871.2 neuron navigator 2
XP_004083147.1 neuron navigator 3-like
XP_001921314.1 neuronal acetylcholine receptor subunit alpha-3
XP_003437692.1 neuronal acetylcholine receptor subunit alpha-3-like
XP_003969635.1 neuronal acetylcholine receptor subunit alpha-5
XP_003201674.1 neuronal acetylcholine receptor subunit alpha-7-like
XP_003200231.1 neuronal acetylcholine receptor subunit beta-2-like
XP_696993.2 neuronal acetylcholine receptor subunit beta-4-like
XP_003450778.1 neuronal cell adhesion molecule-like
XP_003455418.1 neuronal growth regulator 1-like
XP_001505462.2 neuronal membrane glycoprotein M6-a-like
XP_003455516.1 neuronal membrane glycoprotein M6-b-like isoform 1
XP_003455517.1 neuronal membrane glycoprotein M6-b-like isoform 2
XP_004076456.1 neuronal migration protein doublecortin-like
XP_003446905.1 neuronal migration protein doublecortin-like isoform 2
XP_687851.4 neuronal PAS domain-containing protein 3
XP_003200364.1 neuronal PAS domain-containing protein 3-like
XP_001333944.1 neuronal PAS domain-containing protein 4-like
XP_694945.3 neuronal pentraxin-1
XP_003454042.1 neuronal pentraxin-1-like
XP_004078217.1 neuronal pentraxin-2-like
XP_004084116.1 neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 1-like
XP_001378205.2 neuron-specific protein family member 1-like
XP_003450042.1 neuropathy target esterase-like
XP_003450170.1 neuropeptide B-like
XP_003965604.1 neuropeptide Y receptor type 1-like
XP_001343301.2 neuropeptide Y receptor type 2-like
XP_684950.4 neuropilin (NRP) and tolloid (TLL)-like 1
XP_003456226.1 neuropilin and tolloid-like protein 1-like
XP_003201332.1 neuropilin and tolloid-like protein 1-like isoform X1
XP_684192.5 neuropilin and tolloid-like protein 2-like
XP_003450286.1 neuropilin-1a-like
XP_003443322.1 neuropilin-2-like
XP_413703.3 neuroplastin
XP_003444401.1 neuroplastin-like
XP_003198998.1 neurosecretory protein VGF-like
XP_001920332.3 neurotactin-like, partial
XP_697816.4 neurotensin receptor type 1-like isoform X1
XP_690649.2 neurotrypsin-like
XP_003199464.1 neuriturin-like
XP_002664506.1 neutral alpha-glucosidase AB
XP_002664508.2 neutral alpha-glucosidase AB-like

XP_003443009.1 neutral alpha-glucosidase C
XP_003200424.1 neutral alpha-glucosidase C-like
XP_004086225.1 neutral amino acid transporter A-like
XP_685969.3 neutral and basic amino acid transport protein rBAT
XP_003961257.1 neutral ceramidase-like
XP_001335382.2 neutral cholesterol ester hydrolase 1-like
XP_003455082.1 neutrophil cytosol factor 2-like
XP_002663998.1 next to BRCA1 gene 1 protein-like
XP_004078120.1 NF-kappa-B inhibitor delta-like
XP_002802674.1 NF-kappa-B inhibitor zeta
XP_001099220.1 NF-kappa-B inhibitor zeta isoform 3
XP_003444423.1 NF-kappa-B inhibitor-like protein 1-like
XP_004072534.1 NFU1 iron-sulfur cluster scaffold homolog, mitochondrial-like
XP_002666590.2 NF-X1-type zinc finger protein NFXL1-like
XP_003441403.1 NGFI-A-binding protein 2-like
XP_004070580.1 N-glycosylase/DNA lyase-like
XP_003199671.1 NHL repeat-containing protein 2-like
XP_003454110.1 NHL repeat-containing protein 3-like
XP_695071.5 NHS-like 1a
XP_003200771.1 NHS-like 1b isoform X1
XP_003971780.1 NHS-like protein 1-like
XP_003974248.1 nicalin-1-like
XP_004068431.1 nicalin-1-like isoform 1
XP_002661386.1 nicotinamide phosphoribosyltransferase-like
XP_003448539.1 nicotinamide riboside kinase 2-like
XP_003201006.1 nicotinamide riboside kinase 2-like isoform X1
XP_003454085.1 nicotinate phosphoribosyltransferase-like
XP_003456579.1 nidogen-1-like
XP_001919796.3 nidogen-2
XP_003437898.1 niemann-pick C1 protein-like
XP_002663230.2 Niemann-Pick C1-like protein 1-like
XP_003458770.1 NIF3-like protein 1-like
XP_700610.5 ninein
XP_426482.3 ninein isoform X9
XP_004082153.1 ninein-like
XP_001339643.2 ninjurin-1 isoform X1
XP_004077670.1 NIPA-like protein 2-like
XP_003459428.1 NIPA-like protein 2-like, partial
XP_003224300.1 nipped-B-like protein-like
XP_002666276.2 nischarin isoform X1
XP_003973381.1 nitrogen permease regulator 2-like protein-like
XP_003442244.1 nitrogen permease regulator 3-like protein-like
XP_003438442.1 NK1 transcription factor-related protein 2-like
XP_003445249.1 NKAP-like protein-like
XP_004067303.1 N-lysine methyltransferase SMYD2-A-like isoform 2
XP_001344451.2 NMDA receptor-regulated protein 2
XP_003456255.1 N-myc-interactor-like
XP_002662361.1 nodal modulator 2
XP_003312452.1 noelin
XP_003442137.1 noelin-2-like
XP_003223263.1 noelin-2-like isoform 1
XP_003449713.1 noelin-like isoform 1
XP_003449714.1 noelin-like isoform 2
XP_687652.2 non-lysosomal glucosylceramidase isoform X2
XP_004079895.1 non-lysosomal glucosylceramidase-like
XP_003964884.1 non-receptor tyrosine-protein kinase TYK2-like
XP_003441215.1 non-structural maintenance of chromosomes element 4 homolog A-like
XP_003969102.1 non-syndromic hearing impairment protein 5 homolog
XP_003456807.1 normal mucosa of esophagus-specific gene 1 protein-like
XP_004074761.1 nose resistant to fluoxetine protein 6-like
XP_003457011.1 NSFL1 cofactor p47-like
XP_003969458.1 NT-3 growth factor receptor-like
XP_002662799.2 NT-3 growth factor receptor-like, partial
XP_004074276.1 N-terminal EF-hand calcium-binding protein 1-like
XP_003200501.1 n-terminal EF-hand calcium-binding protein 2-like
XP_002664515.1 N-terminal kinase-like protein-like
XP_690435.2 NTPase KAP family P-loop domain-containing protein 1-like
XP_003989342.1 NUA family SNF1-like kinase 1
XP_689990.1 NUA family SNF1-like kinase 1-like
XP_003441313.1 NUA family SNF1-like kinase 2-like
XP_002931675.1 NUA family, SNF1-like kinase, 1
XP_003452407.1 nuclear autoantigenic sperm protein-like
XP_003443418.1 nuclear cap-binding protein subunit 1-like
XP_004073649.1 nuclear cap-binding protein subunit 1-like isoform 1
XP_003974412.1 nuclear cap-binding protein subunit 2-like
XP_003361628.1 nuclear distribution protein nudE homolog 1-like
XP_696713.3 nuclear envelope pore membrane protein POM 121
XP_003459592.1 nuclear export mediator factor Nemf-like
XP_003452433.1 nuclear factor 1 B-type-like

XP_003446522.1 nuclear factor 1 X-type-like
XP_003457934.1 nuclear factor 7, brain-like
XP_003457936.1 nuclear factor 7, ovary-like
XP_003460289.1 nuclear factor 7, ovary-like, partial
XP_003976164.1 nuclear factor NF-kappa-B p100 subunit-like
XP_004084593.1 nuclear factor NF-kappa-B p105 subunit-like
XP_004057941.1 nuclear factor of activated T-cells 5, partial
XP_003967176.1 nuclear factor of activated T-cells 5-like
XP_003965985.1 nuclear factor of activated T-cells, cytoplasmic 1-like
XP_003201273.1 nuclear factor of activated T-cells, cytoplasmic 2-like
XP_690273.3 nuclear factor of activated T-cells, cytoplasmic 3
XP_001921767.1 nuclear factor of activated T-cells, cytoplasmic 3-like
XP_003966574.1 nuclear fragile X mental retardation-interacting protein 1-like
XP_002664688.1 nuclear fragile X mental retardation-interacting protein 2
XP_003456196.1 nuclear fragile X mental retardation-interacting protein 2-like
XP_003200138.1 nuclear mitotic apparatus protein 1, partial
XP_002666796.2 nuclear mitotic apparatus protein 1-like, partial
XP_700317.5 nuclear pore complex protein Nup153
XP_004070239.1 nuclear pore complex protein Nup205-like
XP_003455023.1 nuclear pore complex protein Nup214-like
XP_004071533.1 nuclear pore complex protein Nup85-like
XP_003447095.1 nuclear pore complex protein Nup93-like
XP_002667606.2 nuclear pore membrane glycoprotein 210
XP_001923641.1 nuclear prelamin A recognition factor-like
XP_003456750.1 nuclear receptor coactivator 1-like
XP_003968030.1 nuclear receptor coactivator 2-like
XP_692938.5 nuclear receptor coactivator 3
XP_003438855.1 nuclear receptor coactivator 3-like
XP_001918997.3 nuclear receptor coactivator 6, partial
XP_003255712.1 nuclear receptor coactivator 7 isoform 1
XP_003971765.1 nuclear receptor coactivator 7-like
XP_001331985.3 nuclear receptor coactivator 7-like isoform X1
XP_697729.5 nuclear receptor coactivator 7-like isoform X3
XP_003456188.1 nuclear receptor corepressor 1-like
XP_003440478.1 nuclear receptor ROR-alpha-like
XP_003451344.1 nuclear receptor ROR-beta-like
XP_003448302.1 nuclear receptor subfamily 1 group D member 2-like
XP_003210274.1 nuclear receptor subfamily 2 group C member 2-like
XP_003443189.1 nuclear receptor subfamily 2 group F member 5-like
XP_003441554.1 nuclear receptor subfamily 4 group A member 1-like isoform 1
XP_004077915.1 nuclear receptor subfamily 4 group A member 3-like isoform 2
XP_003442265.1 nuclear receptor subfamily 5 group A member 2-like
XP_003974331.1 nuclear receptor subfamily 5 group A member 2-like isoform 2
XP_001920672.2 nuclear receptor-binding protein 2 isoform X1
XP_001336737.1 nuclear receptor-interacting protein 1
XP_003449882.1 nuclear receptor-interacting protein 1-like
XP_004083318.1 nuclear receptor-interacting protein 2-like
XP_003497580.1 nuclear respiratory factor 1 isoform 1
XP_003228516.1 nuclear respiratory factor 1-like
XP_004076325.1 nuclear speckle splicing regulatory protein 1-like
XP_003968945.1 nuclear transcription factor Y subunit gamma-like
XP_003456724.1 nuclear valosin-containing protein
XP_418536.1 nuclease EXOG, mitochondrial
XP_003442659.1 nucleobindin-1-like
XP_004084711.1 nucleolar complex protein 3 homolog, partial
XP_003200256.1 nucleolar GTP-binding protein 2-like
XP_004078343.1 nucleolar GTP-binding protein 2-like isoform 1
XP_003450230.1 nucleolar pre-ribosomal-associated protein 1
XP_002664599.2 nucleolar pre-ribosomal-associated protein 1-like
XP_003200056.1 nucleolar pre-ribosomal-associated protein 1-like, partial
XP_003445568.1 nucleolar protein 10-like
XP_003443152.1 nucleolar protein 12-like
XP_004074632.1 nucleolar protein 14-like
XP_004071009.1 nucleolar protein 4-like
XP_003456128.1 nucleolar protein 6-like
XP_687281.4 nucleolar protein 7
XP_003217745.1 nucleolar protein 8-like
XP_002662124.1 nucleolar protein 9-like isoform X1
XP_003976441.1 nucleolar RNA helicase 2-like
XP_004071245.1 nucleolar transcription factor 1-like
XP_003443467.1 nucleophosmin-like
XP_003964127.1 nucleoplasmin-like protein NO29-like
XP_003444504.1 nucleoporin GLE1-like
XP_003448523.1 nucleoporin NDC1-like
XP_001923018.1 nucleoporin NUP188 homolog
XP_003443561.1 nucleoporin p58/p45-like
XP_001487918.3 nucleoprotein TPR isoform 1
XP_003223474.1 nucleoprotein TPR-like
XP_002664792.1 nucleoredoxin-like protein 1-like

XP_003451530.1 nucleoredoxin-like protein 2-like
 XP_003201795.1 nucleoside diphosphate kinase-like
 XP_001339714.1 nucleoside diphosphate-linked moiety X motif 13-like
 XP_003444654.1 nucleoside diphosphate-linked moiety X motif 22-like
 XP_003449340.1 nucleoside diphosphate-linked moiety X motif 8, mitochondrial-like
 XP_003315736.1 nucleosome-remodeling factor subunit BPTF isoform 1
 XP_003978258.1 nucleosome-remodeling factor subunit BPTF-like
 XP_696722.2 nucleotide exchange factor SIL1-like
 XP_003452877.1 nucleus accumbens-associated protein 1-like
 XP_001922147.2 nucleus accumbens-associated protein 1-like isoform 1
 XP_003965240.1 nucleus accumbens-associated protein 2-like
 XP_003447321.1 nudC domain-containing protein 1-like
 XP_003907677.1 obg-like ATPase 1-like isoform 2
 XP_003341750.1 obscurin
 XP_003762275.1 obscurin-like
 XP_003459066.1 occludin-like
 XP_001341204.3 occludin-like isoform X1
 XP_002666846.1 olfactomedin-4-like
 XP_696310.4 olfactomedin-like 2B isoform X2
 XP_001342693.2 olfactomedin-like protein 1-like
 XP_004070619.1 olfactory receptor 13C8-like
 XP_001919585.2 olfactory receptor 2AJ1
 XP_003980010.1 olfactory receptor 2C3-like
 XP_001921659.1 olfactory receptor 2M3
 XP_003457859.1 olfactory receptor 2Y1-like
 XP_003198889.1 olfactory receptor 4F6-like
 XP_003449577.1 olfactory receptor 4Q2-like
 XP_004085879.1 olfactory receptor 51E1-like
 XP_002941601.1 olfactory receptor 51I2-like
 XP_001920061.2 olfactory receptor 52A5-like, partial
 XP_003446283.1 oligodendrocyte transcription factor 3-like
 XP_003450514.1 oligodendrocyte-myelin glycoprotein-like
 XP_003802287.1 oligophrenin-1
 XP_003456192.1 oligophrenin-1-like
 XP_004064350.1 oligophrenin-1-like isoform 2
 XP_004076278.1 oligoribonuclease, mitochondrial-like
 XP_003452042.1 omega-3 fatty acid receptor 1-like
 XP_003199737.1 oncoprotein-induced transcript 3 protein-like
 XP_002661005.1 one cut domain family member 2-like
 XP_003979105.1 one cut domain family member 2-like, partial
 XP_003198506.1 oocyte zinc finger protein XICOF6-like
 XP_004066451.1 oocyte zinc finger protein XICOF7.1-like
 XP_003459109.1 O-phosphoserine-tRNA(Sec) selenium transferase-like, partial
 XP_003438859.1 opioid growth factor receptor-like
 XP_688429.4 opioid growth factor receptor-like 1
 XP_003199531.1 opioid growth factor receptor-like protein 1-like, partial
 XP_003449859.1 opioid-binding protein/cell adhesion molecule-like
 XP_004076936.1 opsin-3-like
 XP_698966.4 opsin-5-like
 XP_003458738.1 opsin-VA-like
 XP_002662529.2 optic atrophy 1-like isoform X1
 XP_003967925.1 organic solute transporter subunit alpha-like
 XP_004068293.1 origin recognition complex subunit 1-like
 XP_003962542.1 origin recognition complex subunit 3-like
 XP_003458882.1 ORM1-like protein 1-like
 XP_003988908.1 ORM1-like protein 2 isoform 1
 XP_003515913.1 ORM1-like protein 3-like, partial
 XP_866064.1 ornithine aminotransferase, mitochondrial isoform 2
 XP_003441829.1 ornithine aminotransferase, mitochondrial-like
 XP_003199710.1 ornithine aminotransferase, mitochondrial-like isoform 1
 XP_002709731.1 orthodenticle homeobox 1
 XP_002664707.1 osteocrin-like
 XP_002665788.2 osteopetrosis-associated transmembrane protein 1
 XP_001345586.3 otoancorin-like
 XP_001381522.2 otoconin-90-like
 XP_002665307.2 otoferlin-like
 XP_683212.5 otogelin
 XP_688274.4 otogelin-like
 XP_701165.5 otolin-1-A-like
 XP_004078869.1 otolin-1-like
 XP_003964739.1 otopetrin-2-like
 XP_003961149.1 otopetrin-3-like
 XP_001491672.1 otoraplin-like
 XP_002662362.1 otospiralin-like
 XP_003201322.1 OTU domain-containing protein 1-like
 XP_001923008.3 OTU domain-containing protein 4 isoform 1
 XP_003201514.1 OTU domain-containing protein 7A-like
 XP_700455.3 out at first protein homolog
 XP_700454.3 out at first protein homolog isoform X2

XP_003755482.1 outcome predictor in acute leukemia 1
XP_002805848.1 outcome predictor in acute leukemia 1-like
XP_001332564.4 outer dense fiber protein 2
XP_001339588.1 ovarian cancer G-protein coupled receptor 1-like
XP_003452305.1 ovochymase-2-like
XP_003459883.1 ovostatin homolog 1-like, partial
XP_688023.3 oxidation resistance protein 1-like isoform X2
XP_698823.2 oxidative stress-induced growth inhibitor 2
XP_001335873.1 oxidoreductase-like domain-containing protein 1-like isoformX1
XP_003975524.1 oxygen-regulated protein 1-like
XP_003459186.1 oxysterol-binding protein 1-like
XP_004072642.1 oxysterol-binding protein 2-like
XP_003439798.1 oxysterol-binding protein-related protein 1
XP_002665019.2 oxysterol-binding protein-related protein 10 isoform X1
XP_001343758.4 oxysterol-binding protein-related protein 10-like
XP_689013.3 oxysterol-binding protein-related protein 11
XP_004066682.1 oxysterol-binding protein-related protein 11-like
XP_003437946.1 oxysterol-binding protein-related protein 1-like
XP_696327.4 oxysterol-binding protein-related protein 3
XP_003454486.1 oxysterol-binding protein-related protein 3-like
XP_001345022.3 oxysterol-binding protein-related protein 5 isoform X1
XP_002199518.1 oxysterol-binding protein-related protein 6 isoform 1
XP_003460073.1 oxysterol-binding protein-related protein 6-like
XP_001505731.2 oxysterol-binding protein-related protein 8-like
XP_003974234.1 oxysterol-binding protein-related protein 9-like
XP_003439823.1 oxysterol-binding protein-related protein 9-like isoform 1
XP_695807.5 P protein
XP_002804735.1 p protein-like
XP_003977018.1 P2X purinoceptor 1-like
XP_003206402.1 p2X purinoceptor 3-like
XP_003976410.1 P2X purinoceptor 5-like
XP_002664563.1 P2Y purinoceptor 13-like
XP_001922302.3 p2Y purinoceptor 14-like
XP_003454867.1 P2Y purinoceptor 1-like
XP_700330.2 P2Y purinoceptor 2-like
XP_001332886.1 P2Y purinoceptor 2-like isoform X1
XP_694459.1 p2Y purinoceptor 3-like
XP_001921651.2 p2Y purinoceptor 4-like
XP_003967039.1 P3 protein-like
XP_003440393.1 p53-induced protein with a death domain-like
XP_001920000.3 PAB-dependent poly(A)-specific ribonuclease subunit 2-like
XP_003443597.1 PAB-dependent poly(A)-specific ribonuclease subunit 3-like
XP_003447566.1 paired amphipathic helix protein Sin3a-like
XP_003439752.1 paired amphipathic helix protein Sin3b-like
XP_003446268.1 paired box protein Pax-1-like
XP_004050028.1 paired box protein Pax-2
XP_004080477.1 paired box protein Pax-2-B isoform 1
XP_001500035.3 paired box protein Pax-2-like
XP_003201477.1 paired box protein Pax-6-like
XP_003973453.1 paired box protein Pax-7-like
XP_003455623.1 paired box protein Pax-8-like
XP_003443082.1 paired box protein Pax-9-like
XP_003355113.2 paired mesoderm homeobox protein 1-like isoform 2
XP_003976586.1 paired mesoderm homeobox protein 1-like, partial
XP_004080460.1 paladin-like
XP_003200749.1 palladin isoform X1
XP_004086911.1 palmelphin-like
XP_001180028.2 palmitoyltransferase AKR1-like isoform 1
XP_003455062.1 palmitoyltransferase ZDHHC3-like
XP_001336393.2 pancreatic secretory granule membrane major glycoprotein GP2-like isoform X1
XP_003970781.1 pannexin-3-like
XP_001919861.1 pannexin-3-like isoform X1
XP_003447770.1 pantothenate kinase 4-like
XP_697115.1 PAP-associated domain-containing protein 5
XP_002663498.1 papilin isoform 1
XP_001919035.3 papilin-like
XP_001919115.3 pappalysin-1
XP_003198778.1 pappalysin-1-like
XP_002667774.2 pappalysin-1-like, partial
XP_003453203.1 pappalysin-2
XP_003453345.1 parafibromin-like
XP_003213300.1 paralemmin-like
XP_002664081.2 paramyosin-like
XP_002666709.1 parapinopsin-like
XP_001923118.1 paraplegin
XP_004067180.1 paraplegin-like
XP_004084142.1 parathyroid hormone-related protein-like
XP_003440516.1 Parkinson disease 7 domain-containing protein 1-like
XP_003448137.1 PARP1-binding protein-like

XP_001344092.2 partitioning defective 3 homolog B
 XP_003223601.1 partitioning defective 3 homolog B-like
 XP_002935214.1 partitioning defective 3 homolog isoformX4
 XP_002935216.1 partitioning defective 3 homolog isoformX6
 XP_003222087.1 partitioning defective 3 homolog, partial
 XP_003449276.1 partitioning defective 6 homolog alpha-like
 XP_004070622.1 partitioning defective 6 homolog beta-like
 XP_003968891.1 partitioning defective 6 homolog gamma-like
 XP_004080200.1 parvalbumin alpha-like isoform 1
 XP_002708666.1 parvin, alpha
 XP_003197983.1 PAS domain-containing serine/threonine-protein kinase isoform X1
 XP_003449836.1 patatin-like phospholipase domain-containing protein 2-like
 XP_003201434.1 patatin-like phospholipase domain-containing protein 2-like, partial
 XP_003454776.1 patatin-like phospholipase domain-containing protein 4-like
 XP_004075017.1 patatin-like phospholipase domain-containing protein 7-like
 XP_004083688.1 patched domain-containing protein 1-like
 XP_003452684.1 patched domain-containing protein 2-like
 XP_003198605.1 patched domain-containing protein 3
 XP_003201375.1 patched domain-containing protein 3-like
 XP_002667290.2 patched domain-containing protein 3-like, partial
 XP_003960852.1 paternally-expressed gene 3 protein-like
 XP_689239.4 paxillin
 XP_004079779.1 PC-esterase domain-containing protein 1A-like
 XP_002719896.1 PCTAIRE protein kinase 1
 XP_003447032.1 PDZ and LIM domain protein 4-like
 XP_003446099.1 PDZ and LIM domain protein 5
 XP_004073563.1 PDZ and LIM domain protein 7-like
 XP_002733870.1 PDZ domain containing 2-like
 XP_003445273.1 PDZ domain-containing protein 11-like isoform 1
 XP_001341731.3 PDZ domain-containing protein 4-like
 XP_003447638.1 PDZ domain-containing protein 6
 XP_003455037.1 PDZ domain-containing protein 8
 XP_003978343.1 PDZ domain-containing protein 8-like
 XP_003448499.1 PDZ domain-containing protein GIPC1-like
 XP_003449103.1 PDZ domain-containing protein GIPC3-like
 XP_003443956.1 PDZ domain-containing RING finger protein 4-like
 XP_001923995.1 pecanex-like protein 1
 XP_003445466.1 pecanex-like protein 1-like
 XP_003438466.1 pecanex-like protein 2
 XP_003446807.1 pecanex-like protein 3-like
 XP_001340677.2 pejkakin-like
 XP_698798.2 pentatricopeptide repeat-containing protein 1, mitochondrial
 XP_003456006.1 pentatricopeptide repeat-containing protein 1-like
 XP_003449691.1 pentatricopeptide repeat-containing protein 2-like
 XP_004073597.1 pentatricopeptide repeat-containing protein 3, mitochondrial-like
 XP_699087.4 pentraxin fusion protein
 XP_004086357.1 peptidase inhibitor 16-like
 XP_690466.2 peptidase inhibitor R3HDML
 XP_004071101.1 peptidase M20 domain-containing protein 2-like
 XP_003446662.1 peptide chain release factor 1, mitochondrial-like
 XP_002664272.1 peptide chain release factor 1-like, mitochondrial-like
 XP_699436.4 peptidyl-glycine alpha-amidating monoxygenase A isoform X3
 XP_004085119.1 peptidyl-glycine alpha-amidating monoxygenase B-like, partial
 XP_002667876.1 peptidyl-prolyl cis-trans isomerase C-like
 XP_004086518.1 peptidyl-prolyl cis-trans isomerase D-like
 XP_003452006.1 peptidyl-prolyl cis-trans isomerase F, mitochondrial-like
 XP_001340208.2 peptidyl-prolyl cis-trans isomerase FKBP10-like
 XP_003440659.1 peptidyl-prolyl cis-trans isomerase FKBP8-like
 XP_003470017.1 peptidyl-prolyl cis-trans isomerase FKBP9
 XP_003478697.1 peptidyl-prolyl cis-trans isomerase G
 XP_003970561.1 peptidyl-prolyl cis-trans isomerase NIMA-interacting 4-like isoform 2
 XP_004085533.1 peptidyl-prolyl cis-trans isomerase-like 2-like, partial
 XP_003224730.1 peptidyl-prolyl cis-trans isomerase-like 4-like
 XP_003449921.1 peptidyl-prolyl cis-trans isomerase-like 6-like
 XP_004074543.1 peptidylprolyl isomerase domain and WD repeat-containing protein 1-like
 XP_003438709.1 peptidyl-tRNA hydrolase ICT1, mitochondrial-like
 XP_003439041.1 peregrin isoform 1
 XP_003439042.1 peregrin isoform 2
 XP_001345710.1 perforin-1-like
 XP_003966980.1 period circadian protein homolog 1-like
 XP_004076059.1 period circadian protein homolog 2-like
 XP_003216846.1 periostin-like
 XP_003453436.1 peripheral myelin protein 22-like
 XP_003495417.1 peripheral plasma membrane protein CASK isoform 2
 XP_003449634.1 peripheral plasma membrane protein CASK-like
 XP_004066639.1 peripheral plasma membrane protein CASK-like isoform 2
 XP_004066641.1 peripheral plasma membrane protein CASK-like isoform 4
 XP_003456170.1 peripheral-type benzodiazepine receptor-associated protein 1-like
 XP_003978196.1 peripherin-2-like

XP_001511433.2 peroxidasin homolog
 XP_003440424.1 peroxisomal coenzyme A diphosphatase NUDT7-like
 XP_002667010.1 peroxisomal coenzyme A diphosphatase NUDT7-like isoform 1
 XP_688421.4 peroxisomal membrane protein PEX14
 XP_003963281.1 peroxisomal membrane protein PEX14-like
 XP_003452660.1 peroxisomal membrane protein PEX16-like
 XP_001922909.3 peroxisomal membrane protein PMP34-like isoform X1
 XP_003451110.1 peroxisomal multifunctional enzyme type 2
 XP_690593.2 peroxisomal N(1)-acetyl-spermine/spermidine oxidase
 XP_003444498.1 peroxisomal NADH pyrophosphatase NUDT12-like
 XP_686922.3 peroxisomal sarcosine oxidase
 XP_004078034.1 peroxisomal targeting signal 1 receptor-like
 XP_003446724.1 peroxisomal targeting signal 2 receptor-like
 XP_001332652.4 peroxisome assembly factor 2
 XP_003217579.1 peroxisome assembly factor 2-like
 XP_003203827.1 peroxisome assembly factor 2-like, partial
 XP_684073.2 peroxisome biogenesis factor 2
 XP_003220387.1 peroxisome proliferator-activated receptor delta-like
 XP_003450377.1 peroxisome proliferator-activated receptor gamma coactivator 1-alpha-like
 XP_003199944.1 peroxisome proliferator-activated receptor gamma coactivator 1-beta
 XP_003199943.1 peroxisome proliferator-activated receptor gamma coactivator 1-beta-like
 XP_001338236.3 peroxisome proliferator-activated receptor gamma coactivator-related protein 1
 XP_003964179.1 peroxisome proliferator-activated receptor gamma coactivator-related protein 1-like
 XP_003437956.1 PERQ amino acid-rich with GYF domain-containing protein 2-like
 XP_003451711.1 pescadillo homolog isoform 2
 XP_003458194.1 PEX5-related protein-like
 XP_003961165.1 PH and SEC7 domain-containing protein 1-like
 XP_685305.1 PH and SEC7 domain-containing protein 2-like
 XP_003455624.1 PH and SEC7 domain-containing protein 4-like
 XP_003437934.1 PH domain leucine-rich repeat-containing protein phosphatase 1-like
 XP_003197853.1 PH domain leucine-rich repeat-containing protein phosphatase 1-like, partial
 XP_002664145.2 PH domain leucine-rich repeat-containing protein phosphatase 2-like
 XP_003458180.1 phakinin-like
 XP_003440541.1 PHD and RING finger domain-containing protein 1-like
 XP_002724349.1 PHD and ring finger domains 1
 XP_004011503.1 PHD finger protein 10
 XP_001919955.3 PHD finger protein 12
 XP_003201700.1 PHD finger protein 13-like
 XP_004045159.1 PHD finger protein 14
 XP_003977742.1 PHD finger protein 14-like
 XP_003443095.1 PHD finger protein 1-like
 XP_003973758.1 PHD finger protein 20-like
 XP_693915.3 PHD finger protein 21A isoform X9
 XP_003448837.1 PHD finger protein 21B-like
 XP_004071891.1 phenylalanine--tRNA ligase alpha subunit-like
 XP_426039.2 phenylalanine--tRNA ligase, mitochondrial
 XP_003443113.1 phenylalanyl-tRNA synthetase alpha chain-like
 XP_002666629.2 phenylalanyl-tRNA synthetase, mitochondrial-like, partial
 XP_003441881.1 phenylethanolamine N-methyltransferase-like
 XP_002664287.2 phenylserine dehydratase-like
 XP_698221.4 PH-interacting protein
 XP_003204443.1 PH-interacting protein-like
 XP_682823.4 phosducin
 XP_003978481.1 phosducin-like
 XP_004081472.1 phosducin-like protein 3-like
 XP_003437935.1 phosphatase and actin regulator 1-like
 XP_002660727.1 phosphatase and actin regulator 1-like isoform X1
 XP_698669.2 phosphatase and actin regulator 2 isoform X3
 XP_001922280.2 phosphatase and actin regulator 4A isoform X1
 XP_004081415.1 phosphate-regulating neutral endopeptidase-like
 XP_001341899.2 phosphatidate cytidyltransferase 1
 XP_001381706.1 phosphatidate cytidyltransferase 2-like
 XP_003454559.1 phosphatidate phosphatase LPIN1-like
 XP_003975521.1 phosphatidate phosphatase LPIN2-like
 XP_002664129.2 phosphatidate phosphatase PPAPDC1A, partial
 XP_004077398.1 phosphatidylcholine:ceramide cholinephosphotransferase 1-like
 XP_003972443.1 phosphatidylcholine:ceramide cholinephosphotransferase 2-like
 XP_001332828.3 phosphatidylcholine-sterol acyltransferase-like
 XP_003452689.1 phosphatidylethanolamine-binding protein 4-like
 XP_002758317.1 phosphatidylinositol phosphatase SAC1
 XP_003755112.1 phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN
 XP_004068339.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1-like
 XP_004075858.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A-like
 XP_699627.3 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein isoform 2
 XP_004070304.1 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein-like
 XP_003447586.1 phosphatidylinositol 3-kinase catalytic subunit type 3-like
 XP_683819.3 phosphatidylinositol 3-kinase regulatory subunit alpha isoform X1
 XP_003208865.1 phosphatidylinositol 3-kinase regulatory subunit alpha-like
 XP_426652.3 phosphatidylinositol 3-kinase regulatory subunit gamma isoform X2

XP_002663857.1 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform-like isoform X1
 XP_690235.2 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform-like isoform X2
 XP_004070711.1 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit delta isoform-like
 XP_692697.2 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
 XP_003451755.1 phosphatidylinositol 4,5-bisphosphate 5-phosphatase A-like
 XP_003451072.1 phosphatidylinositol 4-kinase alpha-like
 XP_001371442.1 phosphatidylinositol 4-kinase beta-like
 XP_003455875.1 phosphatidylinositol 4-kinase type 2-alpha-like
 XP_700029.4 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha isoform X3
 XP_004069497.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha-like
 XP_003199535.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
 XP_004072677.1 phosphatidylinositol 4-phosphate 5-kinase type-1 beta-like
 XP_003762932.1 phosphatidylinositol 4-phosphate 5-kinase type-1 beta-like, partial
 XP_002666296.1 phosphatidylinositol 4-phosphate 5-kinase type-1 gamma isoform X1
 XP_004068334.1 phosphatidylinositol 4-phosphate 5-kinase type-1 gamma-like
 XP_683672.2 phosphatidylinositol 5-phosphate 4-kinase type-2 alpha isoform X3
 XP_004081046.1 phosphatidylinositol 5-phosphate 4-kinase type-2 alpha-like isoform 2
 XP_004071068.1 phosphatidylinositol 5-phosphate 4-kinase type-2 gamma-like
 XP_003199456.1 phosphatidylinositol 5-phosphate 4-kinase type-2 gamma-like isoform X1
 XP_003211951.1 phosphatidylinositol glycan anchor biosynthesis class U protein-like
 XP_003971599.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit H-like
 XP_003446864.1 phosphatidylinositol transfer protein alpha isoform-like
 XP_003445718.1 phosphatidylinositol transfer protein beta isoform-like
 XP_003444330.1 phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1-like
 XP_003449366.1 phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2A-like
 XP_003445212.1 phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2B-like
 XP_003459003.1 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform
 XP_003459312.1 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform-like
 XP_001923257.3 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta isoform isoform 1
 XP_003360871.2 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform-like
 XP_003212937.1 phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit beta-like, partial
 XP_003459896.1 phosphatidylinositol-4-phosphate 5-kinase type-1 beta-like
 XP_003439744.1 phosphatidylinositol-4-phosphate 5-kinase type-1 gamma-like
 XP_003440206.1 phosphatidylinositol-4-phosphate 5-kinase-like protein 1-like
 XP_694160.3 phosphatidylinositol-binding clathrin assembly protein isoform X4
 XP_001344303.4 phosphatidylinositol-binding clathrin assembly protein-like
 XP_001378727.1 phosphatidylserine decarboxylase proenzyme-like
 XP_003454493.1 phosphatidylserine synthase 1
 XP_001490507.3 phosphatidylserine synthase 1-like
 XP_001337112.2 phosphatidylserine synthase 2
 XP_004069931.1 phosphatidylserine synthase 2-like
 XP_002709293.1 phosphofurin acidic cluster sorting protein 1, partial
 XP_685433.5 phosphofurin acidic cluster sorting protein 1-like
 XP_003441250.1 phosphofurin acidic cluster sorting protein 2-like
 XP_003453366.1 phosphoglucomutase-1-like
 XP_003446120.1 phosphoglucomutase-like protein 5-like
 XP_003269038.1 phosphoglycerate kinase 1 isoform 1
 XP_003451499.1 phosphoglycerate kinase 1-like
 XP_003961394.1 phosphoglycolate phosphatase-like
 XP_001342084.3 phosphoinositide 3-kinase adapter protein 1
 XP_004077637.1 phosphoinositide 3-kinase adapter protein 1-like
 XP_001922676.1 phosphoinositide 3-kinase regulatory subunit 4 isoform X1
 XP_004065830.1 phosphoinositide 3-kinase regulatory subunit 5-like
 XP_004065829.1 phosphoinositide 3-kinase regulatory subunit 6-like
 XP_003442543.1 phosphoinositide-interacting protein-like
 XP_686282.2 phospholipase A2 inhibitor subunit B
 XP_003787610.1 phospholipase B1, membrane-associated
 XP_689138.5 phospholipase B1, membrane-associated-like
 XP_003443253.1 phospholipase B-like 1-like
 XP_002667725.1 phospholipase C-like 2, partial
 XP_003442930.1 phospholipase D1-like isoform 1
 XP_003442931.1 phospholipase D1-like isoform 2
 XP_003200538.1 phospholipase D3
 XP_686746.4 phospholipase D3 isoform X2
 XP_003456436.1 phospholipase D3-like
 XP_003962635.1 phospholipase D4-like
 XP_004082530.1 phospholipase DDHD1-like
 XP_691327.4 phospholipase DDHD1-like isoform X2
 XP_004072665.1 phospholipase DDHD2-like
 XP_693207.4 phospholipid scramblase 1-like
 XP_003197974.1 phospholipid scramblase 2-like
 XP_003441828.1 phospholysine phosphohistidine inorganic pyrophosphate phosphatase-like
 XP_003443257.1 phosphomannomutase 1-like
 XP_003937106.1 phosphopantothenate--cysteine ligase-like
 XP_003200660.1 phosphoprotein associated with glycosphingolipid-enriched microdomains 1
 XP_003931901.1 phosphoribosyl pyrophosphate synthase-associated protein 1
 XP_004071591.1 phosphoribosyl pyrophosphate synthase-associated protein 1-like
 XP_003447948.1 phosphoribosyl pyrophosphate synthase-associated protein 1-like isoform 2
 XP_001515604.2 phosphoribosyl pyrophosphate synthase-associated protein 2-like, partial

XP_002666638.1 phosphoribosyltransferase domain-containing protein 1-like
 XP_684044.3 phosphorylase b kinase regulatory subunit alpha, liver isoform-like
 XP_001923412.1 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform isoform X1
 XP_690880.3 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform-like
 XP_001370202.1 phosphorylase b kinase regulatory subunit beta
 XP_698197.5 phosphorylase b kinase regulatory subunit beta isoform X3
 XP_004067526.1 phosphorylase b kinase regulatory subunit beta-like
 XP_683017.4 phosphatidylinositol phosphatase PTPRQ
 XP_003962700.1 photoreceptor outer segment membrane glycoprotein 2-like
 XP_002665265.1 photoreceptor outer segment membrane glycoprotein 2-like isoform X1
 XP_003439205.1 phthioceranic/hydroxyphthioceranic acid synthase-like
 XP_696355.4 piezo-type mechanosensitive ion channel component 1
 XP_547676.4 piezo-type mechanosensitive ion channel component 2
 XP_004070673.1 piezo-type mechanosensitive ion channel component 2-like
 XP_003965840.1 piggyBac transposable element-derived protein 1-like
 XP_004069067.1 piggyBac transposable element-derived protein 2-like
 XP_003443223.1 piggyBac transposable element-derived protein 3-like
 XP_004085421.1 piggyBac transposable element-derived protein 3-like, partial
 XP_002667755.2 piggyBac transposable element-derived protein 4-like
 XP_004084181.1 piggyBac transposable element-derived protein 4-like, partial
 XP_003963789.1 piggyBac transposable element-derived protein 5-like
 XP_003446155.1 pikachurin-like
 XP_003444329.1 pinopsin-like
 XP_691942.1 PI-PLC X domain-containing protein 1-like
 XP_688423.2 PI-PLC X domain-containing protein 3-like
 XP_004074124.1 PITH domain-containing protein 1-like
 XP_682980.3 pituitary adenylate cyclase-activating polypeptide type I receptor isoform 1
 XP_004079551.1 pituitary adenylate cyclase-activating polypeptide type I receptor-like
 XP_004076098.1 pituitary homeobox 1-like isoform 1
 XP_003468102.1 pituitary homeobox 2
 XP_003443491.1 pituitary homeobox 2-like isoform 1
 XP_004084627.1 PKHD domain-containing transmembrane protein C17orf101 homolog
 XP_706757.1 plac8 onzin related protein 4 isoform 2
 XP_003977595.1 PLAC8-like protein 1-like
 XP_685640.4 placenta growth factor-like
 XP_003453705.1 plakophilin-1-like
 XP_002662884.1 plakophilin-3-like
 XP_003447385.1 plakophilin-4 isoform 1
 XP_003447386.1 plakophilin-4 isoform 2
 XP_690071.3 plakophilin-4 isoform X3
 XP_003226491.1 plakophilin-4-like isoform 1
 XP_002717627.1 plasma membrane calcium ATPase 4-like isoform 2
 XP_004083093.1 plasma membrane calcium-transporting ATPase 1-like
 XP_003445003.1 plasma membrane calcium-transporting ATPase 1-like isoform 1
 XP_003445004.1 plasma membrane calcium-transporting ATPase 1-like isoform 2
 XP_004085323.1 plasma membrane calcium-transporting ATPase 1-like, partial
 XP_003454592.1 plasma membrane calcium-transporting ATPase 2-like isoform 1
 XP_003454593.1 plasma membrane calcium-transporting ATPase 2-like isoform 2
 XP_004068707.1 plasma membrane calcium-transporting ATPase 2-like isoform 6
 XP_003774745.1 plasma membrane calcium-transporting ATPase 3 isoform 5
 XP_003457915.1 plasma membrane calcium-transporting ATPase 3-like
 XP_001338198.4 plasminogen activator inhibitor 1 RNA-binding protein isoform X1
 XP_003439751.1 plasminogen activator inhibitor 1 RNA-binding protein-like
 XP_003453350.1 plasminogen activator inhibitor 1 RNA-binding protein-like isoform 2
 XP_002931714.1 plasmolipin-like
 XP_003962455.1 plastin-1-like
 XP_004081664.1 plastin-2-like
 XP_003774969.1 plastin-3
 XP_700533.4 platelet endothelial aggregation receptor 1
 XP_003452077.1 platelet glycoprotein 4-like
 XP_003974307.1 platelet glycoprotein V-like
 XP_003456906.1 platelet-activating factor acetylhydrolase IB subunit beta-like
 XP_003440747.1 platelet-activating factor acetylhydrolase-like
 XP_001342372.1 platelet-activating factor receptor-like
 XP_689054.2 platelet-derived growth factor C-like
 XP_003200146.1 platelet-derived growth factor D-like, partial
 XP_004073566.1 platelet-derived growth factor receptor-like protein-like
 XP_004071715.1 platelet-derived growth factor subunit A-like
 XP_003199626.1 pleckstrin homology domain-containing family A member 1-like
 XP_003451795.1 pleckstrin homology domain-containing family A member 2-like
 XP_695683.3 pleckstrin homology domain-containing family A member 5 isoform X7
 XP_697207.4 pleckstrin homology domain-containing family A member 6-like
 XP_004067162.1 pleckstrin homology domain-containing family A member 7-like
 XP_001342736.2 pleckstrin homology domain-containing family A member 8-like
 XP_003199419.1 pleckstrin homology domain-containing family B member 1 isoform X1
 XP_684692.5 pleckstrin homology domain-containing family G member 1-like
 XP_003797444.1 pleckstrin homology domain-containing family G member 3
 XP_003446751.1 pleckstrin homology domain-containing family G member 3-like
 XP_003966227.1 pleckstrin homology domain-containing family G member 4B-like

XP_003439103.1 pleckstrin homology domain-containing family G member 5
XP_001923813.2 pleckstrin homology domain-containing family G member 5 isoform X1
XP_002666567.2 pleckstrin homology domain-containing family G member 5-like
XP_003962303.1 pleckstrin homology domain-containing family H member 1-like
XP_001921439.3 pleckstrin homology domain-containing family H member 2
XP_003963696.1 pleckstrin homology domain-containing family H member 2-like
XP_003975701.1 pleckstrin homology domain-containing family J member 1-like
XP_003963005.1 pleckstrin homology domain-containing family M member 2-like
XP_003800461.1 pleckstrin homology domain-containing family O member 1
XP_691398.3 pleckstrin homology domain-containing family O member 1-like
XP_002662798.2 pleckstrin homology domain-containing family O member 2-like
XP_698830.5 pleckstrin homology-like domain family B member 1-like
XP_003446815.1 pleckstrin homology-like domain family B member 2
XP_003443651.1 pleckstrin homology-like domain family B member 2-like
XP_004078502.1 pleckstrin homology-like domain family B member 3-like
XP_003760571.1 plectin
XP_003200176.1 plectin-like
XP_003447250.1 plectin-like isoform 1
XP_004000214.1 plectin-like isoform 2
XP_003979148.1 plectin-like, partial
XP_004086417.1 plexin A3-like
XP_003448723.1 plexin domain-containing protein 1-like
XP_688332.3 plexin domain-containing protein 2
XP_003439392.1 plexin domain-containing protein 2-like
XP_003201265.1 plexin-A1, partial
XP_003201640.1 plexin-A1-like
XP_003439125.1 plexin-A2-like
XP_002929728.1 plexin-A3-like
XP_003791659.1 plexin-A4 isoform 2
XP_003445054.1 plexin-A4-like
XP_003457672.1 plexin-B1-like
XP_003448161.1 plexin-B2-like
XP_003438888.1 plexin-D1
XP_003207472.1 PMS1 protein homolog 1-like
XP_003201285.1 podocan-like
XP_003200290.1 pogo transposable element with ZNF domain-like isoform X1
XP_003446795.1 poliovirus receptor-related protein 1-like
XP_689309.4 poliovirus receptor-related protein 2-like
XP_004076586.1 poliovirus receptor-related protein 3-like
XP_003446941.1 poliovirus receptor-related protein 4-like
XP_689011.4 poliovirus receptor-related protein 4-like isoform X2
XP_001375249.1 poly(A) polymerase alpha-like
XP_002662153.1 poly(A) RNA polymerase GLD2 isoform 2
XP_692256.3 poly(A) RNA polymerase, mitochondrial-like
XP_001338257.2 poly(ADP-ribose) glycohydrolase
XP_003359061.2 poly(rC)-binding protein 3-like
XP_003895414.1 poly(rC)-binding protein 3-like, partial
XP_003456280.1 poly(rC)-binding protein 4-like
XP_003230202.1 poly(U)-binding-splicing factor PUF60-like
XP_003447040.1 poly(U)-specific endoribonuclease-B-like
XP_002665375.1 poly(U)-specific endoribonuclease-C-like
XP_001923043.1 polyadenylate-binding protein 2-B-like isoform 1
XP_001096930.2 polyadenylate-binding protein 3
XP_004084869.1 polycomb group RING finger protein 1-like
XP_003443419.1 polycomb group RING finger protein 3-like
XP_003452351.1 polycomb group RING finger protein 6-like
XP_003450586.1 polycomb protein SCMH1
XP_855974.2 polycomb protein SCMH1 isoform 4
XP_004078330.1 polycomb protein SCMH1-like
XP_003447989.1 polycomb protein suz12-B-like
XP_003442531.1 polycomb protein suz12-like
XP_695404.2 polycystic kidney disease 2-like 1
XP_001507037.2 polycystic kidney disease protein 1-like 1
XP_003443634.1 polycystic kidney disease protein 1-like 1-like
XP_004067150.1 polycystic kidney disease protein 1-like 2-like
XP_694060.5 polycystin-1-like
XP_003774337.1 polycystin-2, partial
XP_003775036.1 polyglutamine-binding protein 1 isoform 1
XP_003276483.1 polyhomeotic-like protein 2
XP_003482069.1 polyhomeotic-like protein 2-like
XP_003912542.1 polymerase delta-interacting protein 2
XP_003456353.1 polymerase delta-interacting protein 2-like
XP_001920702.1 polymerase I and transcript release factor-like
XP_002664574.2 polymeric immunoglobulin receptor-like
XP_696106.3 polynucleotide 5'-hydroxyl-kinase NOL9 isoform X2
XP_687472.3 polypeptide N-acetylgalactosaminyltransferase 1 isoform 2
XP_003453998.1 polypeptide N-acetylgalactosaminyltransferase 10-like
XP_688194.1 polypeptide N-acetylgalactosaminyltransferase 12
XP_002663357.2 polypeptide N-acetylgalactosaminyltransferase 13 isoform X1

XP_422165.2 polypeptide N-acetylgalactosaminyltransferase 13 isoform X11
 XP_004081767.1 polypeptide N-acetylgalactosaminyltransferase 13-like isoform 2
 XP_003446688.1 polypeptide N-acetylgalactosaminyltransferase 14-like
 XP_001339749.3 polypeptide N-acetylgalactosaminyltransferase 16
 XP_003199061.1 polypeptide N-acetylgalactosaminyltransferase 18
 XP_003450988.1 polypeptide N-acetylgalactosaminyltransferase 1-like
 XP_003447447.1 polypeptide N-acetylgalactosaminyltransferase 3
 XP_003962003.1 polypeptide N-acetylgalactosaminyltransferase 3-like
 XP_003968875.1 polypeptide N-acetylgalactosaminyltransferase 4-like
 XP_002712189.1 polypeptide N-acetylgalactosaminyltransferase 5
 XP_004081934.1 polypeptide N-acetylgalactosaminyltransferase 5-like
 XP_003448205.1 polypeptide N-acetylgalactosaminyltransferase 6-like
 XP_001338018.1 polypeptide N-acetylgalactosaminyltransferase 9
 XP_415088.2 polypeptide N-acetylgalactosaminyltransferase 9 isoform X5
 XP_004072898.1 polypeptide N-acetylgalactosaminyltransferase 9-like
 XP_002665848.2 polyphosphoinositide phosphatase
 XP_004083536.1 polyphosphoinositide phosphatase-like
 XP_002667265.2 polyphosphoinositide phosphatase-like, partial
 XP_002735355.1 polypeptide-like, partial
 XP_003442936.1 polypyrimidine tract-binding protein 1-like
 XP_003732081.1 polypyrimidine tract-binding protein 3 isoform 2
 XP_693984.3 polyribonucleotide 5'-hydroxyl-kinase Clp1-like
 XP_003215008.1 polyribonucleotide 5'-hydroxyl-kinase Clp1-like isoform 1
 XP_004077091.1 polyribonucleotide nucleotidyltransferase 1, mitochondrial-like
 XP_003976706.1 porimin-like
 XP_691684.3 potassium channel subfamily K member 10
 XP_003456094.1 potassium channel subfamily K member 10-like
 XP_687561.1 potassium channel subfamily K member 12-like
 XP_693218.3 potassium channel subfamily K member 13-like
 XP_003445453.1 potassium channel subfamily K member 16-like
 XP_004077263.1 potassium channel subfamily K member 18-like
 XP_685425.2 potassium channel subfamily K member 1-like
 XP_003449960.1 potassium channel subfamily K member 2-like
 XP_700001.2 potassium channel subfamily K member 3-like
 XP_003450492.1 potassium channel subfamily K member 4-like
 XP_003445454.1 potassium channel subfamily K member 5-like
 XP_003438860.1 potassium channel subfamily K member 9-like
 XP_001920632.2 potassium channel subfamily T member 1
 XP_003454207.1 potassium channel subfamily T member 1-like
 XP_692121.5 potassium channel subfamily T member 1-like, partial
 XP_003442022.1 potassium channel subfamily T member 2-like
 XP_694050.5 potassium channel subfamily T member 2-like isoform X2
 XP_002667319.1 potassium voltage-gated channel subfamily A member 10-like
 XP_003198877.1 potassium voltage-gated channel subfamily A member 2
 XP_701294.4 potassium voltage-gated channel subfamily A member 2-like
 XP_001922996.2 potassium voltage-gated channel subfamily A member 3-like
 XP_687427.2 potassium voltage-gated channel subfamily A member 4 isoform X2
 XP_002661883.1 potassium voltage-gated channel subfamily A member 5-like
 XP_002661227.1 potassium voltage-gated channel subfamily A member 7-like
 XP_683673.2 potassium voltage-gated channel subfamily B member 2 isoform X2
 XP_003458721.1 potassium voltage-gated channel subfamily C member 2-like
 XP_003963259.1 potassium voltage-gated channel subfamily C member 4-like
 XP_003448843.1 potassium voltage-gated channel subfamily D member 2-like
 XP_003455488.1 potassium voltage-gated channel subfamily E member 2-like
 XP_002664235.1 potassium voltage-gated channel subfamily F member 1
 XP_690900.2 potassium voltage-gated channel subfamily G member 2-like
 XP_694001.2 potassium voltage-gated channel subfamily G member 3
 XP_697175.4 potassium voltage-gated channel subfamily H member 1-like
 XP_001918939.3 potassium voltage-gated channel subfamily H member 2-like
 XP_003455603.1 potassium voltage-gated channel subfamily H member 2-like, partial
 XP_695830.4 potassium voltage-gated channel subfamily H member 4-like
 XP_003206830.1 potassium voltage-gated channel subfamily H member 5-like
 XP_003442034.1 potassium voltage-gated channel subfamily H member 6-like
 XP_003207641.1 potassium voltage-gated channel subfamily H member 7-like
 XP_001922595.2 potassium voltage-gated channel subfamily H member 8
 XP_003456345.1 potassium voltage-gated channel subfamily H member 8-like
 XP_003228172.1 potassium voltage-gated channel subfamily KQT member 1-like
 XP_001336600.4 potassium voltage-gated channel subfamily KQT member 1-like, partial
 XP_001506608.2 potassium voltage-gated channel subfamily KQT member 2
 XP_003198893.1 potassium voltage-gated channel subfamily KQT member 2, partial
 XP_003459740.1 potassium voltage-gated channel subfamily KQT member 2-like
 XP_003197981.1 potassium voltage-gated channel subfamily KQT member 3
 XP_003452841.1 potassium voltage-gated channel subfamily KQT member 3-like
 XP_004025616.1 potassium voltage-gated channel subfamily KQT member 4
 XP_002928970.1 potassium voltage-gated channel subfamily KQT member 4-like
 XP_684855.3 potassium voltage-gated channel subfamily KQT member 5
 XP_697081.4 potassium voltage-gated channel subfamily KQT member 5 isoform X2
 XP_003963912.1 potassium voltage-gated channel subfamily KQT member 5-like
 XP_001922193.1 potassium voltage-gated channel subfamily S member 1-like

XP_688404.1 potassium voltage-gated channel subfamily V member 1-like
 XP_003440254.1 potassium voltage-gated channel subfamily V member 2-like
 XP_855255.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1
 XP_004074765.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1-like
 XP_002663920.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1-like isoform X1
 XP_003438015.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2-like
 XP_003451043.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3-like
 XP_686078.3 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4
 XP_684730.4 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4-like
 XP_003450965.1 potassium-transporting ATPase alpha chain 1-like
 XP_003200582.1 POU domain, class 2, transcription factor 2
 XP_003450712.1 POU domain, class 2, transcription factor 2-like
 XP_003453529.1 POU domain, class 3, transcription factor 2-like
 XP_002935313.1 POU domain, class 4, transcription factor 3
 XP_003439130.1 POU domain, class 6, transcription factor 1-like
 XP_001341496.3 POU domain, class 6, transcription factor 2-like
 XP_003454980.1 PPPDE peptidase domain-containing protein 2-like
 XP_001343142.3 PQ-loop repeat-containing protein 1
 XP_003447146.1 PQ-loop repeat-containing protein 1-like
 XP_003449200.1 PQ-loop repeat-containing protein 2-like
 XP_002758022.2 PQ-loop repeat-containing protein 3
 XP_003200534.1 PR domain zinc finger protein 10, partial
 XP_001336591.2 PR domain zinc finger protein 13
 XP_004081303.1 PR domain zinc finger protein 14-like
 XP_003976630.1 PR domain zinc finger protein 15-like
 XP_003444924.1 PR domain zinc finger protein 16
 XP_004074375.1 PR domain zinc finger protein 1-like
 XP_002663834.1 PR domain zinc finger protein 2
 XP_002726428.1 PR domain zinc finger protein 5 isoform 1
 XP_004068442.1 PR domain zinc finger protein 5-like
 XP_003985095.1 PR domain zinc finger protein 5-like, partial
 XP_004003776.1 pre-B-cell leukemia transcription factor 1
 XP_003438179.1 pre-B-cell leukemia transcription factor 1-like isoform 1
 XP_003438180.1 pre-B-cell leukemia transcription factor 1-like isoform 2
 XP_003445590.1 pre-B-cell leukemia transcription factor 3 isoform 4
 XP_001500476.3 pre-B-cell leukemia transcription factor 3-like
 XP_002739737.1 predicted protein-like
 XP_003441525.1 prefoldin subunit 5-like
 XP_003455815.1 prefoldin subunit 6-like
 XP_003198072.1 pregnancy zone protein isoform 2
 XP_004073420.1 PRELI domain-containing protein 1, mitochondrial-like isoform 1
 XP_696793.3 pre-miRNA 5'-monophosphate methyltransferase
 XP_004068858.1 pre-miRNA 5'-monophosphate methyltransferase-like
 XP_002817284.2 pre-miRNA-processing factor 17
 XP_001368656.1 pre-miRNA-processing factor 17-like
 XP_004073348.1 pre-miRNA-processing factor 19-like
 XP_003200013.1 pre-miRNA-processing factor 39-like
 XP_003447469.1 pre-miRNA-processing factor 40 homolog A
 XP_001113447.2 pre-miRNA-processing factor 6
 XP_002925730.1 pre-miRNA-processing factor 6-like
 XP_003458656.1 pre-miRNA-processing-splicing factor 8
 XP_002936105.1 pre-miRNA-processing-splicing factor 8 isoform X1
 XP_003968425.1 pre-miRNA-processing-splicing factor 8-like
 XP_004075739.1 pre-miRNA-processing-splicing factor 8-like, partial
 XP_001507839.1 pre-miRNA-splicing factor 18
 XP_003975713.1 pre-miRNA-splicing factor 38B-like
 XP_003442319.1 pre-miRNA-splicing factor ATP-dependent RNA helicase PRP16-like
 XP_003451645.1 pre-miRNA-splicing factor CWC22 homolog
 XP_002758719.2 pre-miRNA-splicing factor ISY1 homolog
 XP_004073359.1 pre-miRNA-splicing factor RBM22-like
 XP_004073378.1 pre-miRNA-splicing factor SLU7-like
 XP_003442140.1 pre-miRNA-splicing factor SYF1
 XP_004071406.1 pre-miRNA-splicing factor SYF1-like
 XP_003447068.1 prenylcysteine oxidase-like
 XP_002666179.1 pre-rRNA processing protein FTSJ3 isoform 1
 XP_003440165.1 pre-rRNA-processing protein TSR1 homolog
 XP_003203799.1 presenilin-2-like
 XP_003449028.1 presenilins-associated rhomboid-like protein, mitochondrial-like
 XP_003447492.1 presequence protease, mitochondrial-like
 XP_003979997.1 presequence protease, mitochondrial-like, partial
 XP_001921766.3 prestin
 XP_003443958.1 prickle-like protein 1-like
 XP_698649.4 prickle-like protein 3 isoform X2
 XP_003443162.1 PRKCA-binding protein-like
 XP_003971531.1 PRKR-interacting protein 1 homolog
 XP_003444361.1 proactivator polypeptide-like
 XP_003444038.1 probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial-like
 XP_003457298.1 probable acyl coa dehydrogenase 6-like
 XP_003453769.1 probable alpha-ketoglutarate-dependent dioxygenase ABH4-like

XP_003973525.1 probable aminopeptidase NPEPL1-like
 XP_003446392.1 probable arginyl-tRNA synthetase, mitochondrial-like
 XP_003199584.1 probable arylformamidase-like isoform 1
 XP_003968636.1 probable asparagine--tRNA ligase, mitochondrial-like
 XP_003450206.1 probable asparaginyl-tRNA synthetase, mitochondrial
 XP_003438072.1 probable ATP-dependent DNA helicase HFM1-like
 XP_001922220.1 probable ATP-dependent RNA helicase DDX10
 XP_003973857.1 probable ATP-dependent RNA helicase DDX10-like
 XP_001923830.1 probable ATP-dependent RNA helicase DDX17 isoform X1
 XP_004066302.1 probable ATP-dependent RNA helicase DDX17-like
 XP_003439019.1 probable ATP-dependent RNA helicase DDX23
 XP_004070857.1 probable ATP-dependent RNA helicase DDX23-like
 XP_683832.1 probable ATP-dependent RNA helicase DDX31 isoform 1
 XP_003974660.1 probable ATP-dependent RNA helicase DDX31-like
 XP_004073424.1 probable ATP-dependent RNA helicase DDX41-like
 XP_003438278.1 probable ATP-dependent RNA helicase DDX43
 XP_003451454.1 probable ATP-dependent RNA helicase DDX46-like
 XP_004071864.1 probable ATP-dependent RNA helicase DDX47-like isoform 1
 XP_004067972.1 probable ATP-dependent RNA helicase DDX49-like
 XP_001340860.1 probable ATP-dependent RNA helicase ddx6
 XP_684923.1 probable ATP-dependent RNA helicase ddx6 isoform 1
 XP_003447300.1 probable ATP-dependent RNA helicase ddx6-like
 XP_003438930.1 probable ATP-dependent RNA helicase DHX35
 XP_004070546.1 probable ATP-dependent RNA helicase DHX35-like
 XP_003416188.1 probable ATP-dependent RNA helicase DHX36 isoform 1
 XP_003968436.1 probable ATP-dependent RNA helicase DHX36-like
 XP_003451087.1 probable ATP-dependent RNA helicase DHX37-like
 XP_003441710.1 probable ATP-dependent RNA helicase DHX40
 XP_698769.4 probable ATP-dependent RNA helicase DHX40 isoform X4
 XP_004085803.1 probable ATP-dependent RNA helicase DHX40-like, partial
 XP_001370066.1 probable ATP-dependent RNA helicase YTHDC2
 XP_003223042.1 probable ATP-dependent RNA helicase YTHDC2-like
 XP_004070884.1 probable carboxypeptidase PM20D1.2-like
 XP_693256.3 probable carboxypeptidase X1
 XP_003443477.1 probable carboxypeptidase X1-like
 XP_694632.2 probable cationic amino acid transporter isoform X2
 XP_684639.2 probable cationic amino acid transporter-like
 XP_003442011.1 probable cation-transporting ATPase 13A1-like
 XP_003449174.1 probable cation-transporting ATPase 13A2-like
 XP_003455413.1 probable cation-transporting ATPase 13A3-like
 XP_001337404.2 probable C-mannosyltransferase DPY19L3 isoform X1
 XP_682732.4 probable cysteine--tRNA ligase, mitochondrial
 XP_003213509.1 probable dimethyladenosine transferase-like
 XP_003790056.1 probable E3 ubiquitin-protein ligase C12orf51 homolog
 XP_003445636.1 probable E3 ubiquitin-protein ligase C12orf51-like
 XP_003223837.1 probable E3 ubiquitin-protein ligase HECTD2-like
 XP_004072733.1 probable E3 ubiquitin-protein ligase HECTD4-like
 XP_003977452.1 probable E3 ubiquitin-protein ligase HECTD4-like, partial
 XP_003458528.1 probable E3 ubiquitin-protein ligase HERC1
 XP_003200872.1 probable E3 ubiquitin-protein ligase HERC1-like
 XP_698091.2 probable E3 ubiquitin-protein ligase HERC1-like isoform X2
 XP_685685.5 probable E3 ubiquitin-protein ligase HERC4 isoform X2
 XP_004077549.1 probable E3 ubiquitin-protein ligase HERC4-like
 XP_003442241.1 probable E3 ubiquitin-protein ligase MGRN1-like
 XP_002663982.1 probable E3 ubiquitin-protein ligase MGRN1-like isoformX1
 XP_003199643.1 probable E3 ubiquitin-protein ligase MGRN1-like isoformX2
 XP_001340198.4 probable E3 ubiquitin-protein ligase MID2
 XP_003444638.1 probable E3 ubiquitin-protein ligase MID2-like
 XP_003451656.1 probable E3 ubiquitin-protein ligase MYCBP2
 XP_003961658.1 probable E3 ubiquitin-protein ligase MYCBP2-like
 XP_002817373.2 probable E3 ubiquitin-protein ligase RNF217
 XP_003199774.1 probable E3 ubiquitin-protein ligase TRIM8-like
 XP_003199673.1 probable E3 ubiquitin-protein ligase TRIML1-like isoform X1
 XP_001919036.3 probable E3 ubiquitin-protein ligase TRIP12
 XP_003444460.1 probable exonuclease mut-7 homolog
 XP_003995425.1 probable global transcription activator SNF2L2
 XP_001923977.1 probable glutamate receptor-like isoform X1
 XP_004066103.1 probable glutamate--tRNA ligase, mitochondrial-like
 XP_003456982.1 probable glutamyl-tRNA synthetase, mitochondrial-like
 XP_001501407.1 probable glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial
 XP_003445207.1 probable G-protein coupled receptor 101-like
 XP_001333845.2 probable G-protein coupled receptor 112-like
 XP_693839.2 probable G-protein coupled receptor 113
 XP_003200779.1 probable G-protein coupled receptor 116
 XP_003200780.1 probable G-protein coupled receptor 116-like
 XP_003201802.1 probable G-protein coupled receptor 116-like, partial
 XP_689338.3 probable G-protein coupled receptor 123-like
 XP_001497986.2 probable G-protein coupled receptor 125
 XP_003450366.1 probable G-protein coupled receptor 125-like

XP_003208111.1 probable G-protein coupled receptor 125-like, partial
XP_001378682.2 probable G-protein coupled receptor 133
XP_004072772.1 probable G-protein coupled receptor 133-like
XP_686241.1 probable G-protein coupled receptor 135-like
XP_001922230.1 probable G-protein coupled receptor 141
XP_001343069.2 probable G-protein coupled receptor 141-like
XP_001340684.2 probable G-protein coupled receptor 142-like
XP_001343983.3 probable G-protein coupled receptor 144
XP_003455089.1 probable G-protein coupled receptor 144-like
XP_003975652.1 probable G-protein coupled receptor 148-like
XP_004075665.1 probable G-protein coupled receptor 149-like
XP_003200026.1 probable G-protein coupled receptor 151-like
XP_003444916.1 probable G-protein coupled receptor 153
XP_003961808.1 probable G-protein coupled receptor 156-like
XP_003963270.1 probable G-protein coupled receptor 157-like
XP_003439210.1 probable G-protein coupled receptor 158
XP_003453394.1 probable G-protein coupled receptor 158-like
XP_698520.2 probable G-protein coupled receptor 158-like isoform X3
XP_701155.1 probable G-protein coupled receptor 171-like
XP_001920897.1 probable G-protein coupled receptor 174-like
XP_003199496.1 probable G-protein coupled receptor 179-like
XP_004087022.1 probable G-protein coupled receptor 19-like
XP_003444570.1 probable G-protein coupled receptor 21-like
XP_001920750.1 probable G-protein coupled receptor 22-like
XP_001335309.2 probable G-protein coupled receptor 25-like
XP_003201499.1 probable G-protein coupled receptor 37-like
XP_003767492.1 probable G-protein coupled receptor 52
XP_700010.1 probable G-protein coupled receptor 61
XP_002665668.1 probable G-protein coupled receptor 63-like
XP_690169.4 probable G-protein coupled receptor 75-like
XP_001916926.1 probable G-protein coupled receptor 82-like
XP_003203559.1 probable G-protein coupled receptor 83-like
XP_001342529.1 probable G-protein coupled receptor 88
XP_692337.4 probable G-protein coupled receptor 97
XP_001342078.1 probable G-protein coupled receptor-like
XP_003766122.1 probable guanine nucleotide exchange factor MCF2L2
XP_003978654.1 probable guanine nucleotide exchange factor MCF2L2-like
XP_690945.4 probable helicase senataxin
XP_001499907.1 probable helicase with zinc finger domain
XP_003458368.1 probable helicase with zinc finger domain-like
XP_003442621.1 probable histone acetyltransferase MYST1
XP_692254.4 probable histone-lysine N-methyltransferase ASH1L
XP_686742.2 probable JmjC domain-containing histone demethylation protein 2C
XP_700282.5 probable JmjC domain-containing histone demethylation protein 2C-like
XP_004077789.1 probable leucine--tRNA ligase, mitochondrial-like
XP_003452164.1 probable leucyl-tRNA synthetase, mitochondrial
XP_003441048.1 probable lysosomal cobalamin transporter-like
XP_003450826.1 probable methylthioribulose-1-phosphate dehydratase-like
XP_001921874.3 probable methyltransferase TARBP1
XP_002664256.1 probable methyltransferase TARBP1-like
XP_003445738.1 probable methyltransferase-like protein 15-like
XP_689063.3 probable methyltransferase-like protein 15-like isoform X2
XP_001343904.2 probable N-acetyltransferase camello-like
XP_002665651.1 probable palmitoyltransferase ZDHHC11-like
XP_003444579.1 probable palmitoyltransferase ZDHHC12-like
XP_697586.4 probable palmitoyltransferase ZDHHC12-like isoform X2
XP_003769612.1 probable palmitoyltransferase ZDHHC14
XP_003986719.1 probable palmitoyltransferase ZDHHC14 isoform 2
XP_003446255.1 probable palmitoyltransferase ZDHHC14-like
XP_691086.3 probable palmitoyltransferase ZDHHC1-like
XP_001341243.2 probable palmitoyltransferase ZDHHC20-like
XP_003199960.1 probable palmitoyltransferase ZDHHC24-like
XP_001332106.4 probable palmitoyltransferase ZDHHC5-like
XP_683670.3 probable palmitoyltransferase ZDHHC8-like
XP_001340041.2 probable peptide chain release factor C12orf65 homolog, mitochondrial isoform X1
XP_002662444.1 probable peptidyl-tRNA hydrolase 2
XP_004080287.1 probable phosphatase phospho 1-like
XP_004073238.1 probable phospholipid-transporting ATPase 11C-like
XP_002664502.2 probable phospholipid-transporting ATPase 1A
XP_003200012.1 probable phospholipid-transporting ATPase 1A-like
XP_003968006.1 probable phospholipid-transporting ATPase 1B-like
XP_003440243.1 probable phospholipid-transporting ATPase 1C-like
XP_691903.2 probable phospholipid-transporting ATPase 1D
XP_687715.3 probable phospholipid-transporting ATPase 1D-like
XP_004068141.1 probable phospholipid-transporting ATPase 1F-like
XP_002664465.2 probable phospholipid-transporting ATPase 1G
XP_003970234.1 probable phospholipid-transporting ATPase 1G-like
XP_003218794.1 probable phospholipid-transporting ATPase 1H-like
XP_003438982.1 probable phospholipid-transporting ATPase 1IA

XP_003224031.1 probable phospholipid-transporting ATPase IIA-like
 XP_004059630.1 probable phospholipid-transporting ATPase IIB
 XP_003406287.1 probable phospholipid-transporting ATPase IIB-like
 XP_003444010.1 probable phospholipid-transporting ATPase IM
 XP_695556.2 probable phospholipid-transporting ATPase VA
 XP_003444338.1 probable phospholipid-transporting ATPase VA-like
 XP_692383.4 probable phospholipid-transporting ATPase VB
 XP_004082816.1 probable phospholipid-transporting ATPase VD-like
 XP_682975.3 probable polyketide synthase 1
 XP_003439204.1 probable polyketide synthase 1-like
 XP_696970.1 probable polypeptide N-acetylgalactosaminyltransferase 8
 XP_696923.5 probable polypeptide N-acetylgalactosaminyltransferase 8-like
 XP_003449969.1 probable proline racemase-like
 XP_003439174.1 probable protein-cysteine N-palmitoyltransferase porcupine
 XP_001342172.3 probable ribonuclease ZC3H12B isoform X1
 XP_003764299.1 probable ribonuclease ZC3H12C
 XP_003441018.1 probable ribonuclease ZC3H12C-like
 XP_003453070.1 probable ribonuclease ZC3H12D-like
 XP_003226048.1 probable RNA-binding protein 19-like isoform 2
 XP_683222.4 probable RNA-binding protein 20-like
 XP_004040586.1 probable RNA-binding protein 46
 XP_003198217.1 probable RNA-directed DNA polymerase from transposon X-element-like
 XP_003454424.1 probable serine carboxypeptidase CPVL-like
 XP_003963702.1 probable serine racemase-like
 XP_003454930.1 probable serpin E3-like
 XP_003453134.1 probable sodium-coupled neutral amino acid transporter 6-like
 XP_004067499.1 probable threonine--tRNA ligase 2, cytoplasmic-like
 XP_003437726.1 probable threonyl-tRNA synthetase 2, cytoplasmic-like
 XP_003459200.1 probable tRNA (uracil-O(2)-)-methyltransferase-like
 XP_003972704.1 probable tRNA threonylcarbamoyladenosine biosynthesis protein osgep-like
 XP_004073458.1 probable tRNA(His) guanylyltransferase-like
 XP_003445088.1 probable tubulin polyglutamylase TLL1
 XP_002743870.1 probable tubulin polyglutamylase TLL1 isoform 2
 XP_003508073.1 probable tubulin polyglutamylase TLL1-like
 XP_003444942.1 probable tubulin polyglutamylase TLL9-like
 XP_003451641.1 probable ubiquitin carboxyl-terminal hydrolase FAF-X
 XP_003961721.1 probable ubiquitin carboxyl-terminal hydrolase FAF-X-like
 XP_003917643.1 probable ubiquitin carboxyl-terminal hydrolase FAF-X-like, partial
 XP_003443262.1 probable Xaa-Pro aminopeptidase 3-like
 XP_003439261.1 procollagen C-endopeptidase enhancer 2
 XP_001368839.1 procollagen galactosyltransferase 1-like
 XP_003451402.1 procollagen galactosyltransferase 2-like
 XP_003454293.1 procollagen-lysine,2-oxoglutarate 5-dioxygenase 1-like
 XP_003439258.1 procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
 XP_002666598.1 profilin-1 isoform 1
 XP_001920113.1 progesterin and adipoQ receptor family member 4-like
 XP_693997.1 progesterin and adipoQ receptor family member 4-like isoform 1
 XP_004086814.1 progesterin and adipoQ receptor family member 9-like
 XP_003459098.1 programmed cell death 1 ligand 1-like
 XP_003444096.1 programmed cell death 6-interacting protein-like
 XP_001519309.2 progressive ankylosis protein homolog
 XP_003459607.1 prohibitin-2-like
 XP_003451011.1 pro-interleukin-16-like
 XP_001923590.1 prolargin
 XP_003451094.1 proliferating cell nuclear antigen-like
 XP_003441515.1 proliferation-associated protein 2G4-like
 XP_003453948.1 proline dehydrogenase 1, mitochondrial-like
 XP_002665916.2 proline dehydrogenase, mitochondrial, partial
 XP_001339018.3 proline-, glutamic acid- and leucine-rich protein 1-like
 XP_002665769.1 proline-rich membrane anchor 1-like
 XP_003450573.1 proline-rich nuclear receptor coactivator 2-like
 XP_695751.4 proline-rich protein 11-like isoformX2
 XP_003200626.1 proline-rich protein 15-like
 XP_003259925.1 proline-rich protein 16
 XP_004077499.1 proline-rich protein 18-like
 XP_004088451.1 proline-rich protein 5
 XP_685820.3 proline-rich protein 5-like
 XP_003802864.1 proline-rich protein 7 isoform 1
 XP_003414993.1 proline-rich protein PRCC-like
 XP_002663950.1 proline-rich transmembrane protein 2-like
 XP_004083220.1 proline-rich transmembrane protein 4-like
 XP_003481687.1 prolow-density lipoprotein receptor-related protein 1-like
 XP_002663865.1 prolyl 3-hydroxylase 1
 XP_003446545.1 prolyl 3-hydroxylase 1-like
 XP_003201113.1 prolyl 3-hydroxylase 2
 XP_003974310.1 prolyl 3-hydroxylase 2-like
 XP_696266.3 prolyl 3-hydroxylase 3
 XP_001922562.2 prolyl 4-hydroxylase subunit alpha-1 isoform X1
 XP_003963798.1 prolyl 4-hydroxylase subunit alpha-1-like

XP_001371555.2 prolyl 4-hydroxylase subunit alpha-2-like
XP_003764722.1 prolyl 4-hydroxylase subunit alpha-3
XP_691737.4 prolyl 4-hydroxylase subunit alpha-3 isoform X3
XP_003440335.1 prolyl 4-hydroxylase subunit alpha-3-like
XP_003458281.1 prolyl endopeptidase-like
XP_004077050.1 prolyl-tRNA synthetase associated domain-containing protein 1-like isoform 2
XP_684527.3 prominin-1-A isoform X2
XP_003449769.1 prominin-1-A-like
XP_003446811.1 pro-neuregulin-2, membrane-bound isoform-like
XP_004080317.1 pro-neuregulin-3, membrane-bound isoform-like
XP_003216748.1 properdin-like
XP_003963687.1 propionyl-CoA carboxylase alpha chain, mitochondrial-like
XP_003442927.1 propionyl-CoA carboxylase beta chain, mitochondrial-like
XP_003921008.1 proprotein convertase subtilisin/kexin type 5
XP_002666956.2 proprotein convertase subtilisin/kexin type 5-like
XP_003209602.1 proprotein convertase subtilisin/kexin type 6-like
XP_001380854.1 proprotein convertase subtilisin/kexin type 7
XP_003200725.1 proprotein convertase subtilisin/kexin type 9
XP_003453187.1 prospero homeobox protein 1-like
XP_689903.3 prostacyclin receptor-like
XP_003441326.1 prostacyclin synthase-like
XP_003455417.1 prostaglandin E2 receptor EP3 subtype-like
XP_003446205.1 prostaglandin E2 receptor EP4 subtype-like
XP_001509358.1 prostaglandin F2 receptor negative regulator, partial
XP_004078450.1 prostaglandin reductase 1-like
XP_003450926.1 prostate-associated microseminoprotein-like
XP_002716708.1 protease, serine, 7 (enterokinase)-like
XP_001516559.2 proteasome subunit alpha type-5-like, partial
XP_003971508.1 proteasome subunit alpha type-6-like
XP_004014802.1 proteasome subunit alpha type-7
XP_003757677.1 proteasome subunit alpha type-7 isoform 2
XP_003496805.1 proteasome subunit alpha type-7-like
XP_003977697.1 proteasome subunit alpha type-7-like isoform 2
XP_003447226.1 proteasome subunit beta type-2-like
XP_003448021.1 proteasome subunit beta type-3-like
XP_004073784.1 proteasome subunit beta type-4-like
XP_003458047.1 proteasome subunit beta type-7-like isoform 1
XP_003452194.1 proteasome-associated protein ECM29 homolog
XP_004069473.1 protection of telomeres protein 1-like
XP_001920461.2 protein 4.1
XP_003307978.1 protein 4.1 isoform 4
XP_004074388.1 protein 4.1-like
XP_003445828.1 Protein ADP-ribosylarginine hydrolase-like
XP_004014716.1 protein AF-10
XP_003201341.1 protein AF-10-like
XP_004080149.1 protein AF-9-like
XP_002661318.2 protein amnionless
XP_698034.2 protein angel homolog 1-like
XP_003448563.1 protein APCDD1-like
XP_003765353.1 protein arginine N-methyltransferase 1
XP_001113609.2 protein arginine N-methyltransferase 1-like
XP_003439605.1 protein arginine N-methyltransferase 7-like
XP_003200481.1 protein arginine N-methyltransferase 8-B-like
XP_699384.4 protein argonaute-1-like
XP_699226.2 protein argonaute-2-like
XP_696015.3 protein argonaute-3
XP_004078362.1 protein argonaute-3-like
XP_003969230.1 protein argonaute-4-like
XP_004083928.1 protein ARV1-like
XP_003440201.1 protein asteroid homolog 1-like
XP_001343186.3 protein asteroid homolog 1-like isoform X1
XP_003199618.1 protein atonal homolog 7
XP_002664470.1 protein ATP1B4
XP_002663838.2 protein bassoon-like
XP_001920788.3 protein bassoon-like isoform X1
XP_003758434.1 protein BEAN1
XP_700087.3 protein bicaudal C homolog 1, partial
XP_696608.4 protein bicaudal C homolog 1-B-like
XP_002665962.2 protein bicaudal C homolog 1-like
XP_001377078.1 protein bicaudal D homolog 1
XP_684729.2 protein bicaudal D homolog 1 isoform X5
XP_003447166.1 protein bicaudal D homolog 1-like
XP_003772561.1 protein bicaudal D homolog 1-like, partial
XP_003438878.1 protein bicaudal D homolog 2-like
XP_685529.1 protein bicaudal D homolog 2-like isoform X2
XP_002663299.2 protein bicaudal D homolog 2-like, partial
XP_003227046.1 protein boule-like
XP_003456668.1 protein broad-minded-like
XP_003200235.1 protein BTG3-like

XP_001512146.2 protein BUD31 homolog
XP_003446321.1 protein C10-like
XP_001343826.1 protein C19orf12 homolog
XP_003760311.1 protein C8orf37 homolog
XP_002667478.1 protein C9orf69-like
XP_003966977.1 protein canopy 4-like
XP_003444138.1 protein cappuccino homolog
XP_003442489.1 protein CASC3-like
XP_003442351.1 protein CASC4-like
XP_003968457.1 protein CASP-like
XP_004074416.1 protein CBFA2T1-like
XP_003456156.1 protein CBFA2T2
XP_003758546.1 protein CBFA2T3
XP_003969968.1 protein CBFA2T3-like
XP_003438824.1 protein CCSMST1-like isoform 1
XP_003439311.1 protein CDV3 homolog
XP_003973227.1 protein cereblon-like
XP_003968317.1 protein C-ets-1-like
XP_004075910.1 protein C-ets-1-like isoform 1
XP_001508979.1 protein C-ets-2-like
XP_002831183.1 protein chibby homolog 1 isoform 2
XP_002195128.1 protein CLEC16A
XP_003198156.1 protein CLEC16A isoform X1
XP_003441006.1 protein CNPPD1-like
XP_003450519.1 protein cormichon homolog 2-like
XP_003443214.1 protein CYR61-like
XP_001921927.1 protein Daple
XP_003973424.1 protein DDI1 homolog 2-like
XP_003453300.1 protein delta homolog 1-like
XP_001921712.1 protein delta homolog 2
XP_003441202.1 protein DEPP-like
XP_001520906.2 protein diaphanous homolog 1-like, partial
XP_683813.5 protein diaphanous homolog 2
XP_004073331.1 protein diaphanous homolog 2-like
XP_004067206.1 protein diaphanous homolog 3-like
XP_004066011.1 protein disulfide-isomerase A2-like
XP_004073978.1 protein disulfide-isomerase A3-like
XP_003207729.1 protein disulfide-isomerase A5-like
XP_003439192.1 protein disulfide-isomerase TMX3-like
XP_001373312.2 protein Dok-7-like
XP_004071492.1 protein Dom3Z-like
XP_003200263.1 protein dopey-1
XP_004077731.1 protein dopey-1-like
XP_003455479.1 protein dopey-2
XP_004082011.1 protein dopey-2-like
XP_685582.4 protein Dos
XP_003460131.1 protein downstream neighbor of son homolog
XP_001508789.1 protein dpy-19 homolog 3
XP_004074132.1 protein dpy-19 homolog 4-like
XP_003444288.1 protein ECT2
XP_003452842.1 protein EFR3 homolog A-like
XP_003449952.1 protein EFR3 homolog B-like
XP_001920383.1 protein ELFN1
XP_697727.4 protein ELYS
XP_004076895.1 protein EMSY-like
XP_004067988.1 protein ENL-like
XP_688661.4 protein ERGIC-53
XP_003451160.1 protein ETHE1, mitochondrial-like
XP_003457967.1 protein EURL homolog
XP_002665825.2 protein eva-1 homolog A-like
XP_692814.3 protein eva-1 homolog C-like
XP_003199967.1 protein eva-1 homolog C-like isoform X1
XP_003224855.1 protein eyes shut homolog
XP_002664671.1 protein FAM101B isoform 1
XP_592474.4 protein FAM102B
XP_001922392.2 protein FAM104A-like
XP_001343536.2 protein FAM110A isoform X1
XP_003201231.1 protein FAM110B isoform 1
XP_003971783.1 protein FAM110C-like
XP_004076307.1 protein FAM111A-like
XP_001923116.1 protein FAM114A2 isoform X1
XP_003200029.1 protein FAM115-like
XP_003199575.1 protein FAM116A-like
XP_003448863.1 protein FAM116B-like
XP_003965009.1 protein FAM117A-like
XP_001922260.1 protein FAM117A-like isoform X1
XP_003766063.1 protein FAM117B
XP_003198814.1 protein FAM117B-like
XP_003992606.1 protein FAM118B

XP_004075927.1 protein FAM118B-like
XP_001339495.3 protein FAM118B-like isoform X1
XP_001341956.1 protein FAM123B-like
XP_701271.4 protein FAM124B-like
XP_426567.2 protein FAM126B isoform X3
XP_003199552.1 protein FAM126B-like
XP_004075768.1 protein FAM131A-like
XP_002660750.1 protein FAM132B isoform X1
XP_003222028.1 protein FAM133B-like
XP_001343062.1 protein FAM134B-like isoform X1
XP_694371.1 protein FAM134C
XP_003441184.1 protein FAM135A-like
XP_001343106.4 protein FAM135B-like
XP_003444366.1 protein FAM136A-like
XP_003452307.1 protein FAM13A-like
XP_003443443.1 protein FAM13B-like
XP_003773064.1 protein FAM149A
XP_004077360.1 protein FAM149B1-like
XP_003204515.1 protein FAM150B-like
XP_001921122.1 protein FAM160A1 isoform X1
XP_002666617.2 protein FAM160A1-like
XP_003441254.1 protein FAM160B1-like
XP_003455578.1 protein FAM160B2-like
XP_697894.2 protein FAM161B-like
XP_001335003.1 protein FAM163B-like
XP_003199353.1 protein FAM163B-like isoform X1
XP_001491774.1 protein FAM164C-like
XP_001497968.1 protein FAM167A-like
XP_001923404.1 protein FAM167A-like isoform X1
XP_003129675.2 protein FAM168A-like
XP_686931.1 protein FAM169B
XP_001335931.1 protein FAM171A1
XP_684281.2 protein FAM171A2-like
XP_689740.2 protein FAM171B-like
XP_001509434.2 protein FAM172A-like
XP_003971941.1 protein FAM176C-like
XP_002664169.2 protein FAM178A
XP_003452027.1 protein FAM178A-like
XP_003447874.1 protein FAM179B-like
XP_003440511.1 protein FAM180B-like
XP_004085278.1 protein FAM181A-like
XP_003968705.1 protein FAM181B-like
XP_683302.2 protein FAM184A isoform X2
XP_003456749.1 protein FAM184A-like
XP_002666883.1 protein FAM185A-like
XP_003405491.1 protein FAM186A-like
XP_003454451.1 protein FAM188A-like
XP_003199123.1 protein FAM188B-like
XP_003199016.1 protein FAM189A1
XP_003442441.1 protein FAM189A1-like
XP_003451028.1 protein FAM189B-like
XP_001333850.4 protein FAM190B-like
XP_003449784.1 protein FAM193A-like
XP_697699.4 protein FAM193B
XP_001342094.1 protein FAM196A-like
XP_003936219.1 protein FAM196B
XP_003200182.1 protein FAM198A-like
XP_694732.2 protein FAM198B isoform X2
XP_003982464.1 protein FAM19A1
XP_003201230.1 protein FAM19A1 isoform X1
XP_003939526.1 protein FAM19A4
XP_002743910.1 protein FAM19A5
XP_003441277.1 protein FAM204A-like
XP_004070808.1 protein FAM208A-like
XP_002931897.1 protein FAM208B
XP_003973500.1 protein FAM212B-like
XP_002743077.1 protein FAM219A isoform 1
XP_003974961.1 protein FAM222A-like
XP_001336858.2 protein FAM26E-like
XP_003438398.1 protein FAM36A-like
XP_003448212.1 protein FAM3A-like
XP_002662569.1 protein FAM3C
XP_003441317.1 protein FAM40A-like
XP_003450767.1 protein FAM40B-like
XP_004067948.1 protein FAM43A-like
XP_684048.3 protein FAM45A
XP_003441113.1 protein FAM45A-like
XP_003453540.1 protein FAM46A-like
XP_001920617.3 protein FAM46C-like

XP_002127268.1 protein FAM47E-like
 XP_001921596.3 protein FAM48A-like
 XP_003458540.1 protein FAM49A-like isoform 2
 XP_003452963.1 protein FAM55C-like
 XP_003453756.1 protein FAM57B-like
 XP_003474769.1 protein FAM5C
 XP_002660756.1 protein FAM5C-like
 XP_003969185.1 protein FAM63A-like
 XP_003642724.1 protein FAM63A-like isoform X1
 XP_003442401.1 protein FAM63B-like
 XP_004076507.1 protein FAM64A-like
 XP_003449287.1 protein FAM65A-like
 XP_003444298.1 protein FAM69A-like
 XP_001922588.2 protein FAM70A
 XP_003445324.1 protein FAM70A-like
 XP_003448496.1 protein FAM73A-like
 XP_003451554.1 protein FAM73B-like
 XP_003910633.1 protein FAM76B, partial
 XP_004074788.1 protein FAM78A-like
 XP_003974033.1 protein FAM78B-like
 XP_004042340.1 protein FAM81B
 XP_696880.3 protein FAM83B isoform X2
 XP_698666.2 protein FAM83C-like
 XP_003199567.1 protein FAM83E-like
 XP_003442555.1 protein FAM83F-like
 XP_003443782.1 protein FAM84B-like
 XP_003200666.1 protein FAM8A1-like
 XP_003917311.1 protein FAM92B
 XP_002914281.1 protein FAM96A-like isoform 1
 XP_684574.3 protein FAM98A isoform 1
 XP_003214542.1 protein FAM98B-like
 XP_003199050.1 protein FAN
 XP_002912326.1 protein fantom-like
 XP_003446385.1 protein farnesyltransferase subunit beta-like
 XP_003451853.1 protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha-like
 XP_003438248.1 protein fem-1 homolog A-like
 XP_695502.4 protein fem-1 homolog B
 XP_003446110.1 protein fem-1 homolog C-like
 XP_003443382.1 protein FEV-like
 XP_003976367.1 protein flightless-1 homolog
 XP_004075433.1 protein fosB-like
 XP_003755310.1 protein FRA10AC1
 XP_003450221.1 protein furry homolog
 XP_003199410.1 protein furry homolog isoform 2
 XP_695202.4 protein furry homolog isoform X8
 XP_001332249.2 protein furry homolog isoformX1
 XP_003898711.1 protein furry homolog-like
 XP_001337543.1 protein fuzzy homolog
 XP_003200526.1 protein G7c
 XP_003458370.1 protein G7c-like
 XP_003197843.1 protein GPR108-like
 XP_852477.1 protein GREB1
 XP_003440509.1 protein groucho-2-like isoform 6
 XP_003454025.1 protein GTLF3B-like
 XP_003279167.1 protein HID1
 XP_004080767.1 protein HID1-like isoform 1
 XP_696478.2 protein HIRA
 XP_003443217.1 protein Hook homolog 2-like
 XP_001509642.2 protein Hook homolog 3-like
 XP_004067654.1 protein IMPACT-like
 XP_003455434.1 protein inscuteable homolog
 XP_001336768.2 protein ITFG3-like isoform X1
 XP_002664782.2 protein IWS1 homolog isoform X1
 XP_003200521.1 protein jagged-1b-like
 XP_694817.4 protein jagged-2-like
 XP_001345885.3 protein Jumonji
 XP_002665688.2 protein KIAA0284 homolog
 XP_003447776.1 protein KIAA0317-like
 XP_003199091.1 protein KIAA0664 homolog
 XP_002918066.1 protein KIAA0664-like
 XP_687326.2 protein KIAA1045-like isoform X2
 XP_003450516.1 protein KIAA1199-like
 XP_689275.4 protein KIBRA-like
 XP_003768624.1 protein kinase C alpha type
 XP_003456413.1 protein kinase C alpha type-like
 XP_003438841.1 protein kinase C and casein kinase substrate in neurons protein 1-like
 XP_003445023.1 protein kinase C and casein kinase substrate in neurons protein 2-like
 XP_697258.2 protein kinase C and casein kinase substrate in neurons protein 3 isoform X2
 XP_003442576.1 protein kinase C and casein kinase substrate in neurons protein 3-like

XP_003454993.1 protein kinase C beta type-like
XP_002826291.2 protein kinase C beta type-like, partial
XP_003441509.1 protein kinase C delta type
XP_001919906.3 protein kinase C delta type-like
XP_004068532.1 protein kinase C delta type-like isoform 2
XP_002664164.1 protein kinase C epsilon type
XP_001344217.2 protein kinase C epsilon type isoform X1
XP_003225219.1 protein kinase C epsilon type-like
XP_003453133.1 protein kinase C eta type
XP_004082595.1 protein kinase C eta type-like
XP_001921715.1 protein kinase C gamma type-like isoform X1
XP_526377.3 protein kinase C iota type
XP_003448589.1 protein kinase C iota type-like
XP_003448155.1 protein kinase C theta type-like
XP_692886.5 protein kinase C-binding protein 1
XP_003454392.1 protein kinase C-binding protein NELL1
XP_004066889.1 protein kinase C-binding protein NELL1-like
XP_002661425.1 protein kinase C-binding protein NELL2
XP_003511684.1 protein kinase C-binding protein NELL2-like
XP_693624.2 protein kinase domain-containing protein, cytoplasmic-like
XP_003453319.1 protein kintoun-like
XP_003449662.1 protein LAP2
XP_003925836.1 protein LAP2 isoform 2
XP_004074704.1 protein LAP2-like
XP_001341582.2 protein lifeguard 1 isoform X1
XP_004074269.1 protein lifeguard 1-like
XP_003252526.1 protein lifeguard 2
XP_001344917.1 protein lifeguard 2-like
XP_686266.2 protein limb expression 1 isoform X2
XP_002913351.1 protein lin-28 homolog A-like
XP_003200812.1 protein lin-28 homolog B-like, partial
XP_002666845.2 protein lin-54 homolog
XP_003221171.1 protein lin-7 homolog A-like
XP_003456915.1 protein lin-7 homolog B-like
XP_002664674.2 protein lin-9 homolog
XP_001338714.4 protein Lines homolog isoform X1
XP_003223279.1 protein LMBR1L-like
XP_004080646.1 protein LSM12 homolog A-like
XP_004065743.1 protein lyl-1-like
XP_001333344.3 protein MAATS1
XP_003443698.1 protein MAL2-like
XP_001333294.3 protein MANBAL-like isoform X1
XP_003446384.1 protein max-like
XP_692664.2 protein MB21D2
XP_003198989.1 protein MB21D2-like isoform X1
XP_003442418.1 protein MICAL-2-like
XP_003201570.1 protein MICAL-2-like, partial
XP_001921676.2 protein MICAL-3
XP_003439621.1 protein MICAL-3-like
XP_003446703.1 protein midA homolog, mitochondrial-like
XP_003201419.1 protein MON2 homolog
XP_002666807.2 protein MON2 homolog, partial
XP_003458800.1 protein MTO1 homolog, mitochondrial-like
XP_689934.5 protein NDNF
XP_001919323.2 protein NDNF-like isoform X1
XP_004069128.1 protein NDRG3-like isoform 1
XP_004015619.1 protein NDRG4
XP_004068289.1 protein Niban-like
XP_003446956.1 protein NipSnap homolog 2-like
XP_004005266.1 protein NipSnap homolog 3A, partial
XP_698749.5 protein NLRC3
XP_002660685.1 protein NLRC3 isoform X1
XP_003200567.1 protein NLRC3-like
XP_003454736.1 protein NLRC3-like, partial
XP_004071462.1 protein notum homolog
XP_003972212.1 protein Noxp20-like
XP_690976.3 protein NPAT
XP_002934454.1 protein odd-skipped-related 2-B isoform X1
XP_003440939.1 protein O-glucosyltransferase 1-like
XP_003448829.1 protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1-like
XP_003459041.1 protein O-mannosyl-transferase 1
XP_003450561.1 protein OSCP1-like
XP_003201654.1 protein OSCP1-like isoform 2
XP_686501.5 protein osteopotenia
XP_003453379.1 protein osteopotenia homolog
XP_683261.3 protein PAT1 homolog 2-like isoform 1
XP_003446188.1 protein patched homolog 1-like
XP_002665865.2 protein pellino homolog 2-like, partial
XP_002666820.2 protein phosphatase 1 regulatory subunit 12A isoform X1

XP_004083755.1 protein phosphatase 1 regulatory subunit 14C-like
XP_545680.3 protein phosphatase 1 regulatory subunit 15B
XP_001334473.1 protein phosphatase 1 regulatory subunit 16A-like
XP_003964249.1 protein phosphatase 1 regulatory subunit 21-like
XP_002661302.2 protein phosphatase 1 regulatory subunit 27-like
XP_001922657.1 protein phosphatase 1 regulatory subunit 29 isoform X1
XP_004084373.1 protein phosphatase 1 regulatory subunit 29-like
XP_700422.2 protein phosphatase 1 regulatory subunit 32-like
XP_003968474.1 protein phosphatase 1 regulatory subunit 37-like
XP_001341298.2 protein phosphatase 1 regulatory subunit 3A-like
XP_003440293.1 protein phosphatase 1 regulatory subunit 3C-B-like
XP_003199449.1 protein phosphatase 1 regulatory subunit 3D-like isoform X1
XP_003978238.1 protein phosphatase 1 regulatory subunit 7-like
XP_003453085.1 protein phosphatase 1A-like
XP_004067417.1 protein phosphatase 1G-like
XP_003798589.1 protein phosphatase 1H, partial
XP_684981.2 protein phosphatase 1H-like
XP_003810743.1 protein phosphatase 1J
XP_003268167.2 protein phosphatase 1J, partial
XP_690577.2 protein phosphatase 1K, mitochondrial-like isoform X3
XP_001363072.1 protein phosphatase 1L
XP_003209273.1 protein phosphatase 1L-like
XP_003455399.1 protein phosphatase inhibitor 2-like
XP_003971266.1 protein phosphatase methylesterase 1-like
XP_003444682.1 protein phosphatase Slingshot homolog
XP_695867.2 protein phosphatase Slingshot homolog 1 isoform X2
XP_003451771.1 protein phosphatase Slingshot homolog 1-like
XP_001921323.1 protein phosphatase Slingshot homolog 2 isoform X1
XP_003221490.1 protein piccolo-like
XP_003339807.1 protein PIEZO1-like
XP_003205004.1 protein PIEZO2-like
XP_002666625.2 protein PIEZO2-like, partial
XP_002666829.1 protein PML-like isoform 1
XP_002666105.2 protein POF1B
XP_003453477.1 protein POF1B-like
XP_693735.4 protein polybromo-1
XP_004084564.1 protein polybromo-1-like
XP_003765234.1 protein polyglycylase TTL10-like
XP_003457086.1 protein prenilyltransferase alpha subunit repeat-containing protein 1-like
XP_003455022.1 protein PRRC2B-like
XP_003451570.1 protein prune homolog 2-like
XP_002664838.1 protein PTHB1, partial
XP_003207354.1 protein PTHB1-like
XP_690522.1 protein QN1 homolog
XP_691804.2 protein QNR-71 isoform X2
XP_003199734.1 protein quaking isoform X1
XP_003458862.1 protein quaking-A-like
XP_003419279.1 protein quaking-like
XP_003454294.1 protein RCC2 homolog
XP_001506220.2 protein RCC2-like
XP_001922221.1 protein RD3-like
XP_002912661.1 protein Red-like
XP_688354.3 protein RFT1 homolog
XP_003453966.1 protein RIC1 homolog
XP_002665879.2 protein RIC1 homolog, partial
XP_004069494.1 protein RIC-3-like
XP_003445910.1 protein RMD5 homolog B-like
XP_004072086.1 protein rogdi homolog
XP_004078516.1 protein RRNAD1-like
XP_003453834.1 protein RRP5 homolog
XP_003444595.1 protein RUFY3
XP_003455278.1 protein S100-A13-like
XP_698471.1 protein S100-A1-like
XP_003973567.1 protein S100-B-like
XP_001922814.1 protein S100-P
XP_004069632.1 protein saal1-like
XP_003443020.1 protein salvador homolog 1-like
XP_002665299.2 protein SCAF8
XP_684264.1 protein SCA1 isoform X3
XP_004071161.1 protein SCO1 homolog, mitochondrial-like
XP_003439307.1 protein scribble homolog
XP_003205388.1 protein scribble homolog, partial
XP_003265017.1 protein SEC13 homolog
XP_001513944.2 protein sel-1 homolog 3
XP_688322.5 protein sel-1 homolog 3 isoform X3
XP_004068443.1 protein sel-1 homolog 3-like
XP_002667581.2 protein sel-1 homolog 3-like, partial
XP_003449979.1 protein SERAC1-like
XP_003443587.1 protein shisa-2-like

XP_004080745.1 protein shisa-6 homolog
XP_002667337.1 protein shisa-6 homolog, partial
XP_003200596.1 protein shisa-7 isoform X1
XP_003199811.1 protein shisa-9-like
XP_003442772.1 protein SHQ1 homolog
XP_004076171.1 protein Shroom1-like
XP_684470.5 protein Shroom2-like
XP_003200437.1 protein Shroom3-like
XP_002662870.1 protein Shroom4-like
XP_693332.4 protein sidekick-2
XP_003450157.1 protein sidekick-2-like
XP_003198206.1 protein sidekick-2-like, partial
XP_004086770.1 protein slit-like
XP_691726.1 protein slowmo homolog 1-like
XP_421450.2 protein Smaug homolog 1 isoform X3
XP_001920698.2 protein Smaug homolog 1-like
XP_003200154.1 protein Smaug homolog 2 isoform X1
XP_003443193.1 protein SMG5-like
XP_695811.2 protein SMG8-like
XP_001923815.2 protein SMG9 isoformX1
XP_002664826.1 protein SOGA3-like isoform X1
XP_003462275.1 protein SON
XP_003495636.1 protein SON-like
XP_694356.4 protein SON-like isoform X3
XP_003916764.1 protein spinster homolog 1
XP_003442607.1 protein spinster homolog 1-like
XP_004085657.1 protein spinster homolog 1-like, partial
XP_003458078.1 protein spinster homolog 2-like
XP_003444197.1 protein spire homolog 1-like
XP_004070212.1 protein spire homolog 2-like
XP_001343190.2 protein sprouty homolog 2-like
XP_001342116.4 protein strawberry notch homolog 2-like
XP_004067853.1 protein SZT2-like
XP_004081939.1 protein TANC1-like
XP_002663935.2 protein TANC2
XP_697257.2 protein TANC2 isoform X2
XP_002661201.2 protein TANC2-like
XP_690863.4 protein TBRG4
XP_003966206.1 protein TBRG4-like
XP_003758613.1 protein TEX261
XP_003451650.1 protein TFG-like
XP_003977160.1 protein THEMIS2-like
XP_004084175.1 protein THEMIS2-like, partial
XP_004078863.1 protein TILB homolog
XP_003441391.1 protein timeless homolog
XP_003438708.1 protein Tob1-like
XP_001346057.3 protein Tob2-like
XP_003457247.1 protein transport protein Sec23A-like
XP_004066242.1 protein transport protein Sec23B-like isoform 2
XP_004073718.1 protein transport protein Sec24B
XP_001921634.3 protein transport protein Sec24B isoform X1
XP_003198668.1 protein transport protein Sec24C isoform X1
XP_003223184.1 protein transport protein Sec24C-like
XP_003450365.1 protein transport protein Sec24D
XP_004014704.1 protein transport protein Sec61 subunit alpha isoform 2
XP_003441338.1 protein transport protein Sec61 subunit alpha-like 1-like
XP_002154626.1 protein transport protein Sec61 subunit beta-like
XP_003457239.1 protein TSSC1-like
XP_003440284.1 protein turtle homolog A
XP_685629.2 protein turtle homolog A isoform X2
XP_004075108.1 protein turtle homolog A-like
XP_695776.3 protein turtle homolog B
XP_698041.4 protein turtle homolog B-like
XP_003200200.1 protein tweety homolog 1-like
XP_003217145.1 protein tweety homolog 2-like
XP_004071368.1 protein tweety homolog 3-like
XP_003210623.1 protein tweety homolog 3-like, partial
XP_699554.4 protein tyrosine phosphatase domain-containing protein 1 isoform X4
XP_004070108.1 protein tyrosine phosphatase domain-containing protein 1-like
XP_003969089.1 protein tyrosine phosphatase type IVA 2-like
XP_003760463.1 protein tyrosine phosphatase type IVA 3
XP_003770092.1 protein unc-119 homolog A
XP_004076207.1 protein unc-119 homolog A-like
XP_707731.3 protein unc-119 homolog B isoform 2
XP_001376660.1 protein unc-119 homolog B-like
XP_003438021.1 protein unc-13 homolog A
XP_001507750.2 protein unc-13 homolog A-like
XP_003951467.1 protein unc-13 homolog B
XP_003444591.1 protein unc-13 homolog B-like

XP_002667772.2 protein unc-13 homolog C-like
XP_003438559.1 protein unc-13 homolog D
XP_003440552.1 protein unc-45 homolog A-like
XP_003451813.1 protein unc-45 homolog B-like
XP_003756203.1 protein unc-79 homolog
XP_003453245.1 protein unc-80 homolog
XP_002660582.1 protein unc-93 homolog B1
XP_004015519.1 protein VAC14 homolog
XP_004050351.1 protein very KIND
XP_002664284.2 protein very KIND-like
XP_688748.3 protein virilizer homolog
XP_002663314.2 protein VPRBP-like
XP_684629.3 protein Wiz isoform X2
XP_004076689.1 protein Wnt-11-like
XP_003448221.1 protein Wnt-1-like
XP_003220503.1 protein Wnt-2b-like
XP_003975383.1 protein Wnt-3a-like
XP_001376793.2 protein Wnt-4-like
XP_003210101.1 protein Wnt-7a-like
XP_691878.2 protein Wnt-7b
XP_004071626.1 protein Wnt-9b-like
XP_003208968.1 protein wntless homolog
XP_004078702.1 protein wntless homolog isoform 2
XP_003892096.1 protein wntless homolog, partial
XP_004068435.1 protein XRP2-like
XP_002663941.1 protein ycf2
XP_003441681.1 protein YIF1B-like
XP_003793154.1 protein YIPF1
XP_003446487.1 protein YIPF1-like
XP_004076177.1 protein YIPF5-like isoform 2
XP_001343958.3 protein yippee-like 1-like
XP_003200452.1 protein Z-dependent protease inhibitor
XP_003453155.1 protein Z-dependent protease inhibitor-like
XP_003440205.1 protein zer-1 homolog
XP_001339691.1 protein ZNF365-like isoform X1
XP_695816.5 protein zyg-11 homolog
XP_003990238.1 protein zyg-11 homolog B
XP_003973117.1 protein-arginine deiminase type-2-like
XP_002665915.1 proteinase-activated receptor 3-like
XP_001333055.2 proteinase-activated receptor 4-like
XP_003440086.1 protein-associating with the carboxyl-terminal domain of ezrin
XP_003974168.1 protein-associating with the carboxyl-terminal domain of ezrin-like
XP_687398.2 protein-glutamine gamma-glutamyltransferase 2 isoform X2
XP_003439800.1 protein-glutamine gamma-glutamyltransferase K
XP_003197999.1 protein-glutamine gamma-glutamyltransferase K isoform 1
XP_002753714.1 protein-glutamine gamma-glutamyltransferase K isoform 2
XP_002665624.1 protein-glutamine gamma-glutamyltransferase K-like
XP_003438149.1 protein-L-isoaspartate O-methyltransferase domain-containing protein 1-like
XP_003201222.1 protein-L-isoaspartate O-methyltransferase domain-containing protein 2-like
XP_003800004.1 protein-lysine 6-oxidase
XP_003975463.1 protein-lysine 6-oxidase-like
XP_003201274.1 protein-methionine sulfoxide oxidase mica1
XP_003455661.1 protein-tyrosine kinase 2-beta-like
XP_003446081.1 protein-tyrosine kinase 6-like
XP_003977824.1 protein-tyrosine sulfotransferase 1-like
XP_001506893.2 protocadherin alpha-11-like
XP_002663585.1 protocadherin alpha-2-like
XP_003199839.1 protocadherin alpha-3-like
XP_003199833.1 protocadherin alpha-7-like
XP_003199825.1 protocadherin alpha-8-like
XP_003199843.1 protocadherin alpha-C2-like
XP_003199837.1 protocadherin beta-15-like
XP_003199872.1 protocadherin beta-16-like
XP_003205825.1 protocadherin Fat 1-like
XP_001920058.2 protocadherin Fat 2
XP_003447680.1 protocadherin Fat 2-like
XP_003219379.1 protocadherin Fat 3-like
XP_001369066.1 protocadherin Fat 4
XP_003459952.1 protocadherin Fat 4-like
XP_003199836.1 protocadherin gamma-A11-like
XP_003199879.1 protocadherin gamma-A12-like
XP_003199859.1 protocadherin gamma-A7-like
XP_003444727.1 protocadherin gamma-C5-like
XP_700763.5 protocadherin-1
XP_001340390.4 protocadherin-10-like
XP_002664482.2 protocadherin-11 X-linked
XP_683010.4 protocadherin-12
XP_003441987.1 protocadherin-15
XP_003224869.1 protocadherin-15-like

XP_002664697.1 protocadherin-16-like
 XP_003970608.1 protocadherin-19-like isoform 2
 XP_003447688.1 protocadherin-1-like
 XP_697243.3 protocadherin-20-like
 XP_003449419.1 protocadherin-7-like
 XP_003197686.1 protocadherin-7-like isoform X1
 XP_003453400.1 protocadherin-8-like
 XP_003412639.1 protocadherin-9 isoform 2
 XP_416995.2 protocadherin-9 isoformX2
 XP_003443997.1 protogenin A-like
 XP_003453459.1 protoheme IX farnesyltransferase, mitochondrial-like
 XP_003445128.1 proton myo-inositol cotransporter-like
 XP_004068802.1 proton-associated sugar transporter A-like
 XP_687732.4 proton-coupled amino acid transporter 1
 XP_003447679.1 proton-coupled amino acid transporter 1-like
 XP_002664741.2 proton-coupled amino acid transporter 4
 XP_003458673.1 proton-coupled folate transporter-like
 XP_692833.5 proto-oncogene c-Fos
 XP_003214425.1 proto-oncogene c-Fos-like
 XP_004073239.1 proto-oncogene DBL-like
 XP_003217912.1 proto-oncogene serine/threonine-protein kinase pim-1-like
 XP_003441109.1 proto-oncogene tyrosine-protein kinase receptor Ret
 XP_694329.5 proto-oncogene tyrosine-protein kinase ROS
 XP_003438972.1 proto-oncogene tyrosine-protein kinase Src-like
 XP_003225337.1 proto-oncogene tyrosine-protein kinase Src-like isoform 2
 XP_003457817.1 proto-oncogene vav-like
 XP_004080686.1 proto-oncogene Wnt-3-like
 XP_001921602.1 pseudopodium-enriched atypical kinase 1-like
 XP_003444046.1 pseudouridine-metabolizing bifunctional protein C1861.05-like
 XP_003967669.1 pseudouridylate synthase 7 homolog
 XP_004083173.1 pseudouridylate synthase 7 homolog-like protein-like
 XP_003200343.1 psychosine receptor-like
 XP_003443371.1 PTB domain-containing engulfment adapter protein 1-like
 XP_002666436.2 PTB domain-containing engulfment adapter protein 1-like isoform 1
 XP_003441670.1 PTB-containing, cubilin and LRP1-interacting protein-like
 XP_003451492.1 pterin-4-alpha-carbinolamine dehydratase 2-like
 XP_003758896.1 pulmonary surfactant-associated protein A-like, partial
 XP_003199363.1 pumilio domain-containing protein KIAA0020 homolog
 XP_003444092.1 pumilio homolog 1-like
 XP_003199020.1 puratrophin-1
 XP_004078625.1 purine nucleoside phosphorylase-like
 XP_003439694.1 purine-rich element-binding protein gamma-like
 XP_003200057.1 Purkinje cell protein 4
 XP_003199077.1 Purkinje cell protein 4-like protein 1-like isoform 2
 XP_003454172.1 puromycin-sensitive aminopeptidase
 XP_003445611.1 purpurin-like
 XP_003451792.1 putative acyl-CoA dehydrogenase AidB-like
 XP_001917146.2 putative adenosylhomocysteinase 3 isoform 1
 XP_532429.2 putative adenosylhomocysteinase 3 isoform 3
 XP_003450745.1 putative adenosylhomocysteinase 3-like
 XP_003199610.1 putative all-trans-retinol 13,14-reductase-like
 XP_004072234.1 putative aminopeptidase W07G4.4-like
 XP_004085565.1 putative ATP-dependent RNA helicase an3-like, partial
 XP_699339.5 putative ATP-dependent RNA helicase DHX30 isoform X2
 XP_003437927.1 putative ATP-dependent RNA helicase DHX30-like
 XP_003458100.1 putative ATP-dependent RNA helicase DHX33-like
 XP_001921063.1 putative ATP-dependent RNA helicase DHX57
 XP_003453141.1 putative ATP-dependent RNA helicase TDRD9-like
 XP_003954330.1 putative BANP-like protein-like
 XP_687025.3 putative cation exchanger C521.04c-like
 XP_001342135.1 putative claudin-24-like
 XP_003446154.1 putative defense protein Hdd11-like
 XP_003458642.1 putative deoxyribonuclease TATDN1-like
 XP_002661512.1 putative Dol-P-Glc:Glc(2)Man(9)GlcNAc(2)-PP-Dol alpha-1,2-glucosyltransferase-like
 XP_003224154.1 putative E3 ubiquitin-protein ligase SH3RF2-like
 XP_003453150.1 putative E3 ubiquitin-protein ligase UBR7-like
 XP_004085121.1 putative ferric-chelate reductase 1-like
 XP_003218240.1 putative gamma-glutamyltransferase ywrD-like
 XP_691680.5 putative GTP-binding protein 6 isoform X2
 XP_003452577.1 putative GTP-binding protein 6-like
 XP_002662576.2 putative helicase mov-10-B.1
 XP_003453727.1 putative helicase mov-10-B.1-like
 XP_003444057.1 putative helicase Mov10I1-like
 XP_003223750.1 putative hexokinase HKDC1-like
 XP_003800019.1 putative histone-lysine N-methyltransferase PRDM6
 XP_424413.3 putative histone-lysine N-methyltransferase PRDM6 isoform X2
 XP_003974739.1 putative histone-lysine N-methyltransferase PRDM6-like
 XP_003445072.1 putative homeodomain transcription factor 2-like
 XP_003972862.1 putative homeodomain transcription factor 2-like isoform 2

XP_003973855.1 putative hydroxypyruvate isomerase-like
 XP_003972975.1 putative interleukin-17 receptor E-like
 XP_001373427.1 putative methyltransferase NSUN7
 XP_003221522.1 putative methyltransferase NSUN7-like
 XP_001919133.3 putative myosin-XVB
 XP_001342856.1 putative N-acetyltransferase 16-like
 XP_697483.2 putative nuclease HARB11
 XP_003241982.1 putative nuclease HARB11-like
 XP_003457989.1 putative oxidoreductase GLYR1-like
 XP_004071950.1 putative oxidoreductase GLYR1-like isoform 1
 XP_003444827.1 putative oxidoreductase yteT-like
 XP_003453169.1 putative palmitoyltransferase ZDHC22-like
 XP_003452546.1 putative PIP5K1A and PSMD4-like protein-like
 XP_003962316.1 putative Polycomb group protein ASXL2-like
 XP_001921737.1 putative Polycomb group protein ASXL2-like isoform X1
 XP_004082149.1 putative polypeptide N-acetylgalactosaminyltransferase-like protein 1-like
 XP_004016198.1 putative polypeptide N-acetylgalactosaminyltransferase-like protein 4 isoform 2
 XP_004084248.1 putative polypeptide N-acetylgalactosaminyltransferase-like protein 4-like
 XP_003205941.1 putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15-like
 XP_003461049.1 putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16
 XP_003451258.1 putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16-like
 XP_687318.4 putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX32 isoform X2
 XP_003961264.1 putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX32-like
 XP_003201406.1 putative protein MSS51 homolog, mitochondrial-like isoform X1
 XP_002666630.1 putative protein phosphatase 1 regulatory inhibitor subunit 3G-like
 XP_695128.1 putative protein PTGES3L-like
 XP_001923521.1 putative protein TPRXL-like isoform X1
 XP_004084525.1 putative ribosomal RNA methyltransferase 1-like
 XP_683228.2 putative ribosomal RNA methyltransferase 2-like
 XP_001922354.1 putative ribosomal RNA methyltransferase NOP2 isoform X1
 XP_003457807.1 putative RNA exonuclease NEF-sp-like
 XP_001335820.1 putative RNA-binding protein 15
 XP_003456281.1 putative RNA-binding protein 15B-like
 XP_003447923.1 putative RNA-binding protein Luc7-like 2-like
 XP_003200943.1 putative serine/threonine-protein kinase F31E3.2-like isoform X1
 XP_003198236.1 putative short-chain dehydrogenase/reductase family 42E member 2-like
 XP_690237.5 putative sodium-coupled neutral amino acid transporter 10
 XP_003199297.1 putative sodium-coupled neutral amino acid transporter 11-like
 XP_004067246.1 putative sodium-coupled neutral amino acid transporter 8-like
 XP_001333997.1 putative sodium-coupled neutral amino acid transporter 8-like isoform X1
 XP_001333004.1 putative solute carrier family 22 member ENSG00000182157-like
 XP_003448983.1 putative transcription factor Ovo-like 1-like
 XP_002730504.1 putative transient receptor potential channel-like, partial
 XP_003448860.1 putative transporter SVOPL-like
 XP_004085409.1 putative transporter SVOPL-like, partial
 XP_004065591.1 putative tRNA pseudouridine synthase Pus10-like
 XP_003452387.1 putative tyrosine-protein phosphatase auxilin-like
 XP_004070823.1 putative UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase LOC402377-like
 XP_004076487.1 putative uncharacterized protein C12orf63-like
 XP_001922899.1 putative uncharacterized protein C3orf83-like
 XP_001344933.1 putative uncharacterized protein DDB_G0271982-like
 XP_003197692.1 putative uncharacterized protein ENSP00000382790-like
 XP_001118777.1 putative uncharacterized protein FLJ45035-like
 XP_001919012.2 putative uncharacterized transposon-derived protein F54H12.3-like
 XP_692056.2 putative uncharacterized zinc finger protein 814-like
 XP_687488.3 PWWP domain-containing protein 2A-like
 XP_001920864.3 PWWP domain-containing protein 2B
 XP_003458746.1 PWWP domain-containing protein 2B-like
 XP_003447747.1 PX domain-containing protein kinase-like protein
 XP_003495107.1 pygopus homolog 1
 XP_004073762.1 pygopus homolog 2-like
 XP_003445186.1 pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1-like
 XP_004082886.1 pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1-like isoform 1
 XP_003452021.1 pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2-like
 XP_003438308.1 pyridoxal kinase-like
 XP_003448772.1 pyridoxine-5'-phosphate oxidase-like
 XP_001920042.2 pyroglutamylated RFamide peptide receptor
 XP_002665976.2 pyroglutamylated RFamide peptide receptor-like
 XP_003440647.1 pyroglutamyl-peptidase 1-like
 XP_003453809.1 pyrroline-5-carboxylate reductase 2-like
 XP_004068163.1 pyrroline-5-carboxylate reductase 3-like
 XP_003452463.1 pyruvate carboxylase, mitochondrial
 XP_004079812.1 pyruvate carboxylase, mitochondrial-like
 XP_001332594.2 pyruvate dehydrogenase
 XP_004076405.1 pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial-like
 XP_003437743.1 pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial
 XP_003440549.1 pyruvate dehydrogenase protein X component, mitochondrial-like
 XP_003356731.1 pyruvate kinase isozymes M1/M2
 XP_004081110.1 queuine tRNA-ribosyltransferase subunit qtrtd1-like

XP_690294.1 R3H domain and coiled-coil containing 1-like
 XP_001363790.1 r3H domain-containing protein 1 isoform 1
 XP_003763868.1 R3H domain-containing protein 1 isoform 2
 XP_688545.5 r3H domain-containing protein 1, partial
 XP_003966541.1 R3H domain-containing protein 1-like
 XP_003973588.1 R3H domain-containing protein 2-like
 XP_695429.4 rab effector MyRIP
 XP_003967923.1 rab effector MyRIP-like
 XP_001092845.2 rab GDP dissociation inhibitor alpha isoform 2
 XP_003421761.1 rab GDP dissociation inhibitor alpha-like
 XP_003410792.1 rab GDP dissociation inhibitor beta-like
 XP_003201082.1 rab GTPase-activating protein 1
 XP_003201657.1 rab GTPase-activating protein 1-like
 XP_004076892.1 rab GTPase-binding effector protein 1-like
 XP_003454065.1 rab GTPase-binding effector protein 2-like
 XP_700855.3 RAB, member RAS oncogene family-like 6 isoform X3
 XP_002664194.1 rab11 family-interacting protein 2-like
 XP_003438654.1 rab11 family-interacting protein 3-like
 XP_003797259.1 rab11 family-interacting protein 4
 XP_004080571.1 rab11 family-interacting protein 4A-like
 XP_003964348.1 rab11 family-interacting protein 4-like
 XP_001923878.2 rab15 effector protein
 XP_003454126.1 rab3 GTPase-activating protein catalytic subunit-like
 XP_003207775.1 rab3 GTPase-activating protein catalytic subunit-like isoform 1
 XP_003447880.1 rab3 GTPase-activating protein non-catalytic subunit
 XP_004082764.1 rab3 GTPase-activating protein non-catalytic subunit-like
 XP_003451431.1 rab5 GDP/GTP exchange factor-like isoform 2
 XP_002719438.1 RAB5C, member RAS oncogene family
 XP_003925431.1 RAB6-interacting golgin
 XP_003200525.1 rabconnectin 3
 XP_004070825.1 rabenosyn-5-like
 XP_003440607.1 rab-like protein 2A-like
 XP_003202750.1 rab-like protein 3-like
 XP_004074643.1 rabphilin-3A-like
 XP_003200336.1 RAC-alpha serine/threonine-protein kinase-like
 XP_003448941.1 RAC-beta serine/threonine-protein kinase-like
 XP_003429819.1 RAC-beta serine/threonine-protein kinase-like, partial
 XP_001923454.3 RAC-gamma serine/threonine-protein kinase
 XP_002663385.1 radial spoke head 1 homolog
 XP_001923770.1 radial spoke head protein 4 homolog A isoform 1
 XP_003764298.1 radixin
 XP_003440922.1 radixin-like
 XP_004070598.1 RAF proto-oncogene serine/threonine-protein kinase-like isoform 2
 XP_001922593.1 raftlin
 XP_003456323.1 raftlin-2-like
 XP_004078573.1 raftlin-like
 XP_002667853.1 regulator complex protein LAMTOR1-like
 XP_003758203.1 ral GTPase-activating protein subunit alpha-2
 XP_001920508.1 ral GTPase-activating protein subunit alpha-2-like
 XP_002667459.1 ral guanine nucleotide dissociation stimulator-like
 XP_003474767.1 ral guanine nucleotide dissociation stimulator-like 1 isoformX1
 XP_003453858.1 ral guanine nucleotide dissociation stimulator-like 1-like
 XP_004078553.1 ral guanine nucleotide dissociation stimulator-like 2-like
 XP_004078664.1 ralA-binding protein 1-like
 XP_003404029.1 ralBP1-associated Eps domain-containing protein 1 isoform 1
 XP_002197188.1 ralBP1-associated Eps domain-containing protein 2
 XP_003439837.1 ralBP1-associated Eps domain-containing protein 2-like
 XP_003936361.1 ran-binding protein 10 isoform 2
 XP_003977786.1 ran-binding protein 10-like
 XP_002820360.2 rap guanine nucleotide exchange factor 1
 XP_001506600.2 rap guanine nucleotide exchange factor 1-like
 XP_003200017.1 rap guanine nucleotide exchange factor 2 isoform X1
 XP_001374782.2 rap guanine nucleotide exchange factor 2-like
 XP_004071028.1 rap guanine nucleotide exchange factor 3-like
 XP_003406269.1 rap guanine nucleotide exchange factor 4
 XP_003447426.1 rap guanine nucleotide exchange factor 4-like
 XP_002751549.2 rap guanine nucleotide exchange factor 5
 XP_002664991.1 rap guanine nucleotide exchange factor 5-like
 XP_003451447.1 rap guanine nucleotide exchange factor 6
 XP_002666140.2 rap guanine nucleotide exchange factor 6, partial
 XP_003971058.1 rap guanine nucleotide exchange factor 6-like
 XP_004084828.1 rap guanine nucleotide exchange factor-like 1-like
 XP_003453746.1 rap1 GTPase-activating protein 1-like
 XP_004076809.1 rap1 GTPase-activating protein 2-like
 XP_002667044.1 rap1 GTPase-GDP dissociation stimulator 1, partial
 XP_003459699.1 rap1 GTPase-GDP dissociation stimulator 1-A-like
 XP_002664221.2 rap1 GTPase-GDP dissociation stimulator 1-B
 XP_001919810.2 rap1 GTPase-GDP dissociation stimulator 1-B-like isoform X1
 XP_003225572.1 rap1 GTPase-GDP dissociation stimulator 1-like

XP_001921907.1 rapamycin-insensitive companion of mTOR
XP_001507591.2 rapamycin-insensitive companion of mTOR-like
XP_692779.5 ras and EF-hand domain-containing protein
XP_004070242.1 ras and EF-hand domain-containing protein-like
XP_697152.1 ras and Rab interactor 2-like
XP_001339622.2 ras and Rab interactor 3
XP_004075753.1 ras and Rab interactor 3-like
XP_001921665.1 ras association domain-containing protein 10
XP_001378631.2 ras association domain-containing protein 1-like
XP_003974807.1 ras association domain-containing protein 2-like
XP_001920863.3 ras association domain-containing protein 5-like
XP_689531.2 ras association domain-containing protein 8 isoform X2
XP_001921350.3 ras association domain-containing protein 8-like
XP_001922355.3 ras association domain-containing protein 9-like
XP_003975169.1 ras GTPase-activating protein 1-like
XP_003441778.1 ras GTPase-activating protein 2
XP_002667523.2 ras GTPase-activating protein 2-like
XP_002660361.1 ras GTPase-activating protein 3
XP_004067199.1 ras GTPase-activating protein 3-like
XP_001521061.2 ras GTPase-activating protein 3-like, partial
XP_003200549.1 ras GTPase-activating protein SynGAP
XP_001919204.3 ras GTPase-activating protein SynGAP-like
XP_003447661.1 ras GTPase-activating protein-binding protein 1-like
XP_004056832.1 ras GTPase-activating-like protein IQGAP1
XP_003459890.1 ras GTPase-activating-like protein IQGAP1-like
XP_003899887.1 ras GTPase-activating-like protein IQGAP2
XP_003457410.1 ras GTPase-activating-like protein IQGAP2-like
XP_003999669.1 ras GTPase-activating-like protein IQGAP3
XP_003457623.1 ras GTPase-activating-like protein IQGAP3-like
XP_683707.1 ras guanine nucleotide exchange factor F isoform X2
XP_003447847.1 RAS guanyl-releasing protein 1-like
XP_003450389.1 RAS guanyl-releasing protein 2
XP_685135.3 RAS guanyl-releasing protein 2-like
XP_002666722.1 ras suppressor protein 1 isoform X1
XP_003459256.1 ras-associated and pleckstrin homology domains-containing protein 1
XP_003442554.1 ras-associating and dilute domain-containing protein
XP_700933.4 ras-associating and dilute domain-containing protein-like
XP_003752758.1 ras-GEF domain-containing family member 1B-like
XP_001921579.3 ras-interacting protein 1-like
XP_003450671.1 ras-interacting protein 1-like, partial
XP_002195320.1 ras-like protein family member 10B
XP_004072418.1 ras-like protein family member 10B-like
XP_003966901.1 ras-like protein family member 11A-like
XP_004082900.1 ras-related and estrogen-regulated growth inhibitor-like
XP_004052882.1 ras-related and estrogen-regulated growth inhibitor-like protein isoform 1
XP_003416659.1 ras-related C3 botulinum toxin substrate 1-like
XP_003639405.1 ras-related GTP-binding protein A-like
XP_003226956.1 ras-related GTP-binding protein C-like
XP_003201047.1 ras-related protein M-Ras
XP_003443387.1 ras-related protein M-Ras-like
XP_003199272.1 ras-related protein M-Ras-like isoformX1
XP_004086985.1 ras-related protein O-RAL-like
XP_003908421.1 ras-related protein Rab-10
XP_003439921.1 ras-related protein Rab-11B-like
XP_003448505.1 ras-related protein Rab-12-like
XP_003450941.1 ras-related protein Rab-13-like
XP_003450787.1 ras-related protein Rab-19-like
XP_004083060.1 ras-related protein Rab-19-like isoform 2
XP_683305.2 ras-related protein Rab-19-like isoform X2
XP_003758282.1 ras-related protein Rab-1A
XP_003459795.1 ras-related protein Rab-1A-like isoform 1
XP_004019959.1 ras-related protein Rab-1B
XP_003452978.1 ras-related protein Rab-20-like
XP_004083295.1 ras-related protein Rab-21-like
XP_003451469.1 ras-related protein Rab-24-like
XP_003444105.1 ras-related protein Rab-25-like
XP_003450118.1 ras-related protein Rab-26-like
XP_004075204.1 ras-related protein Rab-27B-like
XP_685861.3 ras-related protein Rab-27B-like isoform 1, partial
XP_003450202.1 ras-related protein Rab-30-like
XP_697248.2 ras-related protein Rab-31-like
XP_004083544.1 ras-related protein Rab-32-like
XP_003451840.1 ras-related protein Rab-33A-like
XP_001338402.4 ras-related protein Rab-33B-like, partial
XP_001346073.4 ras-related protein Rab-34-like
XP_003442620.1 ras-related protein Rab-35-like
XP_001339327.1 ras-related protein Rab-35-like isoform X1
XP_003438534.1 ras-related protein Rab-37-like
XP_003199402.1 ras-related protein Rab-38

XP_690992.3 ras-related protein Rab-38-like isoform X3
XP_003450585.1 ras-related protein Rab-39A-like
XP_003760803.1 ras-related protein Rab-3A
XP_685654.3 ras-related protein Rab-3B
XP_003642996.1 ras-related protein Rab-3C isoform X1
XP_004072279.1 ras-related protein Rab-3C-like
XP_004056961.1 ras-related protein Rab-40C
XP_003979781.1 ras-related protein Rab-44-like, partial
XP_003767887.1 ras-related protein Rab-4A
XP_003444107.1 ras-related protein Rab-5A-like
XP_003420139.1 ras-related protein Rab-6A-like
XP_003203649.1 ras-related protein Rab-6A-like, partial
XP_003975603.1 ras-related protein Rab-6B-like isoform 2
XP_003973221.1 ras-related protein Rab-7a-like
XP_003761050.1 ras-related protein Rab-8A
XP_003201512.1 ras-related protein Rab-8B-like, partial
XP_003582447.1 ras-related protein Rap-1b
XP_003430814.1 ras-related protein Rap-2a-like
XP_003454866.1 ras-related protein Rap-2b-like
XP_003456911.1 ras-related protein R-Ras-like
XP_002666628.2 ras-responsive element-binding protein 1
XP_003468897.1 ras-responsive element-binding protein 1 isoform 1
XP_003468899.1 ras-responsive element-binding protein 1 isoform 3
XP_002665395.1 ras-specific guanine nucleotide-releasing factor 1
XP_003440459.1 ras-specific guanine nucleotide-releasing factor 1-like
XP_003451098.1 ras-specific guanine nucleotide-releasing factor 2-like
XP_003975108.1 ras-specific guanine nucleotide-releasing factor 2-like isoform 2
XP_001921210.3 ras-specific guanine nucleotide-releasing factor 2-like isoform X1
XP_003439939.1 ras-specific guanine nucleotide-releasing factor RaGPS2
XP_003437914.1 RB1-inducible coiled-coil protein 1
XP_003224369.1 RB1-inducible coiled-coil protein 1-like
XP_003451657.1 RCC1 and BTB domain-containing protein 1
XP_417063.2 RCC1 and BTB domain-containing protein 1 isoform X9
XP_001334658.4 RCC1 and BTB domain-containing protein 2
XP_003450244.1 RCC1 and BTB domain-containing protein 2-like
XP_001340207.2 receptor expression-enhancing protein 2-like
XP_004080779.1 receptor expression-enhancing protein 3-like isoform 1
XP_003439499.1 receptor expression-enhancing protein 5-like
XP_003825033.1 receptor tyrosine-protein kinase erbB-3
XP_004070756.1 receptor tyrosine-protein kinase erbB-3-like
XP_003453243.1 receptor tyrosine-protein kinase erbB-4-like
XP_003966619.1 receptor tyrosine-protein kinase erbB-4-like, partial
XP_003437931.1 receptor-interacting serine/threonine-protein kinase 1-like
XP_001343827.1 receptor-interacting serine/threonine-protein kinase 3
XP_004080026.1 receptor-interacting serine/threonine-protein kinase 3-like
XP_693604.4 receptor-transporting protein 2
XP_002667259.2 receptor-type tyrosine-protein phosphatase beta-like
XP_003221210.1 receptor-type tyrosine-protein phosphatase beta-like, partial
XP_001924713.4 receptor-type tyrosine-protein phosphatase delta, partial
XP_003450363.1 receptor-type tyrosine-protein phosphatase delta-like
XP_003911762.1 receptor-type tyrosine-protein phosphatase delta-like isoform 2
XP_004047851.1 receptor-type tyrosine-protein phosphatase delta-like isoform 4
XP_002925591.1 receptor-type tyrosine-protein phosphatase delta-like, partial
XP_003199699.1 receptor-type tyrosine-protein phosphatase epsilon isoform X1
XP_003201318.1 receptor-type tyrosine-protein phosphatase eta
XP_003214862.1 receptor-type tyrosine-protein phosphatase eta-like
XP_003452567.1 receptor-type tyrosine-protein phosphatase F-like
XP_004079586.1 receptor-type tyrosine-protein phosphatase F-like, partial
XP_001920779.3 receptor-type tyrosine-protein phosphatase gamma
XP_003210207.1 receptor-type tyrosine-protein phosphatase gamma-like
XP_001920950.3 receptor-type tyrosine-protein phosphatase kappa
XP_003781705.1 receptor-type tyrosine-protein phosphatase kappa isoform 2
XP_003781706.1 receptor-type tyrosine-protein phosphatase kappa isoform 3
XP_003446389.1 receptor-type tyrosine-protein phosphatase kappa, partial
XP_004044714.1 receptor-type tyrosine-protein phosphatase kappa-like
XP_003200710.1 receptor-type tyrosine-protein phosphatase kappa-like, partial
XP_001340355.4 receptor-type tyrosine-protein phosphatase mu
XP_003448566.1 receptor-type tyrosine-protein phosphatase mu-like
XP_003439389.1 receptor-type tyrosine-protein phosphatase N2-like
XP_003448848.1 receptor-type tyrosine-protein phosphatase O
XP_004085490.1 receptor-type tyrosine-protein phosphatase O-like, partial
XP_001920953.3 receptor-type tyrosine-protein phosphatase S
XP_003501842.1 receptor-type tyrosine-protein phosphatase S-like
XP_003975680.1 receptor-type tyrosine-protein phosphatase S-like, partial
XP_003447739.1 receptor-type tyrosine-protein phosphatase T
XP_004069043.1 receptor-type tyrosine-protein phosphatase T-like
XP_003200614.1 receptor-type tyrosine-protein phosphatase U
XP_003443833.1 receptor-type tyrosine-protein phosphatase U-like
XP_003200266.1 receptor-type tyrosine-protein phosphatase U-like, partial

XP_003438901.1 receptor-type tyrosine-protein phosphatase V-like
XP_002666925.2 receptor-type tyrosine-protein phosphatase zeta
XP_003453671.1 receptor-type tyrosine-protein phosphatase zeta-like
XP_004066553.1 receptor-type tyrosine-protein phosphatase-like N-like
XP_002662588.2 recombination signal binding protein for immunoglobulin kappa J region-like
XP_003212015.1 recombining binding protein suppressor of hairless-like protein-like
XP_691674.2 recQ-mediated genome instability protein 2-like
XP_003967718.1 reelin-like
XP_002710638.1 regulating synaptic membrane exocytosis 2-like
XP_003226108.1 regulating synaptic membrane exocytosis protein 1-like
XP_001369450.1 regulating synaptic membrane exocytosis protein 2 isoform 1
XP_001920682.3 regulating synaptic membrane exocytosis protein 2, partial
XP_001340931.3 regulating synaptic membrane exocytosis protein 2-like
XP_003201789.1 regulating synaptic membrane exocytosis protein 2-like, partial
XP_003448961.1 regulating synaptic membrane exocytosis protein 3-like
XP_699547.4 regulating synaptic membrane exocytosis protein 4-like isoform X2
XP_003444186.1 regulation of nuclear pre-mRNA domain-containing protein 1A-like
XP_684333.4 regulation of nuclear pre-mRNA domain-containing protein 2, partial
XP_003452123.1 regulator of chromosome condensation-like
XP_004079107.1 regulator of G-protein signaling 11-like
XP_001343150.2 regulator of G-protein signaling 14-like
XP_003459776.1 regulator of G-protein signaling 17-like
XP_004071103.1 regulator of G-protein signaling 19-like
XP_004079558.1 regulator of G-protein signaling 20-like
XP_685507.4 regulator of G-protein signaling 3
XP_853655.1 regulator of G-protein signaling 3 isoform 1
XP_002662224.2 regulator of G-protein signaling 3-like
XP_004074933.1 regulator of G-protein signaling 3-like, partial
XP_003447782.1 regulator of G-protein signaling 6-like
XP_004013718.1 regulator of G-protein signaling 7 isoform 3
XP_003438455.1 regulator of G-protein signaling 7-like
XP_691153.3 regulator of G-protein signaling 9-binding protein B
XP_687644.2 regulator of G-protein signaling 9-binding protein-like
XP_002737924.1 regulator of G-protein signalling 12-like
XP_003967882.1 regulator of microtubule dynamics protein 1-like
XP_003441285.1 regulator of microtubule dynamics protein 2-like
XP_003437806.1 regulator of nonsense transcripts 1-like
XP_003448171.1 regulator of nonsense transcripts 2-like
XP_003445248.1 regulator of nonsense transcripts 3B-like
XP_004076248.1 regulatory factor X-associated protein-like
XP_001923680.1 regulatory factor X-associated protein-like isoformX1
XP_003765127.1 regulatory solute carrier protein family 1 member 1
XP_002662404.1 regulatory-associated protein of mTOR
XP_003768688.1 regulatory-associated protein of mTOR, partial
XP_004065680.1 regulatory-associated protein of mTOR-like
XP_003448027.1 regulatory-associated protein of mTOR-like isoform 1
XP_003459174.1 relA-associated inhibitor-like
XP_001919542.3 relaxin receptor 1
XP_003443457.1 relaxin receptor 1-like
XP_004076336.1 relaxin receptor 2-like
XP_001346821.1 relaxin-3 receptor 1
XP_001346017.2 relaxin-3 receptor 1-like
XP_003453786.1 remodeling and spacing factor 1-like
XP_002741052.1 replicase/helicase/endonuclease-like
XP_004021294.1 replication factor C subunit 2
XP_002195786.1 replication factor C subunit 3
XP_686681.1 replication initiator 1
XP_003450552.1 replication protein A 32 kDa subunit-like isoform 2
XP_003452413.1 REST corepressor 2-like
XP_003972311.1 REST corepressor 3-like
XP_003442360.1 reticulocalbin-1-like
XP_003459438.1 reticulocalbin-3-like
XP_004075704.1 reticulon-2-like
XP_001343799.1 reticulon-4 receptor-like 1-like
XP_003460002.1 reticulon-4-interacting protein 1 homolog, mitochondrial-like
XP_001378484.1 reticulon-4-interacting protein 1, mitochondrial
XP_004077023.1 reticulon-4-like isoform 1
XP_003442313.1 retinal dehydrogenase 2 isoform 1
XP_003457777.1 retinal guanylyl cyclase 2-like
XP_004033399.1 retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta
XP_003447916.1 retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma-like
XP_003455476.1 retinaldehyde-binding protein 1-like
XP_003418503.1 retinal-specific ATP-binding cassette transporter
XP_683123.5 retinal-specific ATP-binding cassette transporter isoform X2
XP_004080989.1 retinal-specific ATP-binding cassette transporter-like
XP_003474722.1 retinoblastoma-binding protein 5
XP_002667000.2 retinoblastoma-like protein 2
XP_003967379.1 retinoblastoma-like protein 2-like
XP_003438798.1 retinoic acid receptor alpha-A-like isoform 2

XP_004074348.1 retinoic acid receptor beta
XP_003969226.1 retinoic acid receptor beta-like
XP_004070509.1 retinoic acid receptor gamma-A isoform 2
XP_003440290.1 retinoic acid receptor RXR-alpha-A-like
XP_001492700.1 retinoic acid receptor RXR-gamma-like
XP_003439839.1 retinoic acid-induced protein 2-like
XP_003442756.1 retinol dehydrogenase 11-like
XP_003445520.1 retinol dehydrogenase 12-like
XP_003454190.1 retinol dehydrogenase 14-like
XP_003442138.1 retinol dehydrogenase 8-like
XP_003438255.1 retinol-binding protein 2-like
XP_003447587.1 retrograde Golgi transport protein RGP1 homolog
XP_003218692.1 retrotransposable element Tf2 155 kDa protein type 1-like
XP_003220633.1 retrotransposable element Tf2 155 kDa protein type 1-like, partial
XP_002739124.1 RETRansposon-like family member (retr-1)-like
XP_004082575.1 retrotransposon-like protein 1-like
XP_002741079.1 retrovirus polyprotein, putative-like
XP_002733186.1 reverse transcriptase SR3-right-like
XP_002735364.1 reverse transcriptase/RNaseH-like, partial
XP_002736574.1 reverse transcriptase-like protein-like
XP_003457562.1 reversion-inducing cysteine-rich protein with Kazal motifs
XP_003976894.1 reversion-inducing cysteine-rich protein with Kazal motifs-like
XP_003449760.1 rho GTPase-activating protein 10
XP_003975950.1 rho GTPase-activating protein 12-like
XP_003450293.1 rho GTPase-activating protein 12-like isoform 1
XP_003450294.1 rho GTPase-activating protein 12-like isoform 2
XP_003438602.1 rho GTPase-activating protein 17
XP_001343601.4 rho GTPase-activating protein 18-like, partial
XP_003201186.1 rho GTPase-activating protein 19-like
XP_003219307.1 rho GTPase-activating protein 20-like
XP_003968193.1 rho GTPase-activating protein 21-B-like
XP_003201316.1 rho GTPase-activating protein 21-like
XP_690970.3 rho GTPase-activating protein 22
XP_683216.5 rho GTPase-activating protein 22-like
XP_690730.5 rho GTPase-activating protein 23
XP_001339010.2 rho GTPase-activating protein 24 isoform X1
XP_698540.4 rho GTPase-activating protein 24-like isoform X4
XP_003446986.1 rho GTPase-activating protein 26-like
XP_002663949.2 rho GTPase-activating protein 27
XP_003222554.1 rho GTPase-activating protein 27-like
XP_003760095.1 rho GTPase-activating protein 28
XP_693227.3 rho GTPase-activating protein 29
XP_003975388.1 rho GTPase-activating protein 29-like
XP_003261949.2 rho GTPase-activating protein 31
XP_003971320.1 rho GTPase-activating protein 31-like
XP_690921.4 rho GTPase-activating protein 32
XP_697910.3 rho GTPase-activating protein 32 isoform X4
XP_004076116.1 rho GTPase-activating protein 32-like
XP_698214.4 rho GTPase-activating protein 33-like isoform X6
XP_001343636.1 rho GTPase-activating protein 35
XP_696680.3 rho GTPase-activating protein 39
XP_003201228.1 rho GTPase-activating protein 39-like
XP_698022.5 rho GTPase-activating protein 42 isoform X3
XP_004076430.1 rho GTPase-activating protein 42-like
XP_003450160.1 rho GTPase-activating protein 44-like
XP_001336016.1 rho GTPase-activating protein 5
XP_004000323.1 rho GTPase-activating protein 6
XP_001381140.2 rho GTPase-activating protein 6-like
XP_694618.3 rho GTPase-activating protein 7-like
XP_003448838.1 rho GTPase-activating protein 8-like
XP_003451906.1 rho GTPase-activating protein 9-like
XP_696571.5 rho GTPase-activating protein SYDE2-like
XP_004086867.1 rho GTPase-activating protein SYDE2-like, partial
XP_002665240.2 rho guanine nucleotide exchange factor 10
XP_003962619.1 rho guanine nucleotide exchange factor 10-like
XP_696040.4 rho guanine nucleotide exchange factor 10-like protein-like
XP_003200081.1 rho guanine nucleotide exchange factor 12-like
XP_683105.2 rho guanine nucleotide exchange factor 15
XP_004079924.1 rho guanine nucleotide exchange factor 15-like
XP_003963313.1 rho guanine nucleotide exchange factor 16-like
XP_003200462.1 rho guanine nucleotide exchange factor 17
XP_003441686.1 rho guanine nucleotide exchange factor 17-like
XP_690750.5 rho guanine nucleotide exchange factor 18
XP_697662.5 rho guanine nucleotide exchange factor 19 isoform X2
XP_003455376.1 rho guanine nucleotide exchange factor 19-like
XP_003976935.1 rho guanine nucleotide exchange factor 1-like
XP_689770.5 rho guanine nucleotide exchange factor 2 isoform X2
XP_003448289.1 rho guanine nucleotide exchange factor 25-like
XP_426718.3 rho guanine nucleotide exchange factor 26

XP_003454865.1 rho guanine nucleotide exchange factor 26-like
XP_688428.4 rho guanine nucleotide exchange factor 28
XP_004072314.1 rho guanine nucleotide exchange factor 28-like
XP_003457621.1 rho guanine nucleotide exchange factor 2-like
XP_687624.2 rho guanine nucleotide exchange factor 33-like
XP_003458709.1 rho guanine nucleotide exchange factor 37-like
XP_003979288.1 rho guanine nucleotide exchange factor 37-like, partial
XP_003197706.1 rho guanine nucleotide exchange factor 38-like
XP_003217758.1 rho guanine nucleotide exchange factor 3-like
XP_686873.2 rho guanine nucleotide exchange factor 5
XP_686581.4 rho guanine nucleotide exchange factor 6-like isoform X2
XP_004081522.1 rho guanine nucleotide exchange factor 7-like
XP_003452964.1 rho guanine nucleotide exchange factor 7-like isoform 1
XP_003445859.1 rho guanine nucleotide exchange factor 9
XP_002664369.2 rho guanine nucleotide exchange factor 9-like
XP_001923441.1 rho guanine nucleotide exchange factor 9-like isoform X1
XP_003437902.1 rho-associated protein kinase 1-like
XP_004083623.1 rho-associated protein kinase 2-like
XP_003971183.1 rhodopsin kinase-like
XP_691851.4 rhomboid family member 1-like
XP_003450600.1 rhomboid-related protein 2-like
XP_003447992.1 rhomboid-related protein 3-like
XP_003312956.1 rhombotin-1 isoform 3
XP_003437621.1 rhophilin-2-like
XP_003199615.1 rho-related BTB domain-containing protein 1
XP_003456127.1 rho-related BTB domain-containing protein 2-like
XP_003979211.1 rho-related BTB domain-containing protein 2-like, partial
XP_691270.5 rho-related BTB domain-containing protein 3-like
XP_003215509.1 rho-related GTP-binding protein RhoB-like
XP_002759851.2 rho-related GTP-binding protein RhoC-like
XP_004066620.1 rho-related GTP-binding protein RhoE-like
XP_785625.3 rho-related GTP-binding protein RhoE-like isoform 1
XP_003453894.1 rho-related GTP-binding protein RhoF-like
XP_003445940.1 rho-related GTP-binding protein RhoG-like
XP_002660498.1 rho-related GTP-binding protein RhoH
XP_002827536.2 rho-related GTP-binding protein RhoN
XP_004080289.1 rho-related GTP-binding protein RhoN-like
XP_683193.1 rho-related GTP-binding protein RhoU-like isoform X3
XP_003125068.3 rhotekin
XP_683290.2 riboflavin transporter 2-like
XP_003445564.1 ribokinase-like
XP_003753585.1 ribonuclease 3
XP_001473806.3 ribonuclease 3-like
XP_003458019.1 ribonuclease inhibitor-like, partial
XP_001338688.4 ribonuclease ZC3H12A-like
XP_003459427.1 ribonucleases P/MRP protein subunit POP1
XP_004077751.1 ribonucleases P/MRP protein subunit POP1-like
XP_003442249.1 ribonucleoprotein PTB-binding 1-like
XP_002662509.1 ribonucleoprotein PTB-binding 2-like
XP_534027.2 ribonucleoside-diphosphate reductase large subunit isoform 1
XP_001091447.2 ribonucleoside-diphosphate reductase subunit M2
XP_003444140.1 ribonucleoside-diphosphate reductase subunit M2 B-like
XP_003447818.1 ribose-5-phosphate isomerase-like
XP_001489096.2 ribose-phosphate pyrophosphokinase 2-like
XP_003458129.1 ribose-phosphate pyrophosphokinase 2-like isoform 1
XP_003766972.1 ribose-phosphate pyrophosphokinase-like
XP_002717846.1 ribosomal protein S14-like
XP_003453293.1 ribosomal protein S6 kinase 2 alpha-like
XP_699952.2 ribosomal protein S6 kinase alpha-2
XP_003456303.1 ribosomal protein S6 kinase alpha-3
XP_001363055.1 ribosomal protein S6 kinase alpha-3-like
XP_003443084.1 ribosomal protein S6 kinase alpha-5
XP_693550.4 ribosomal protein S6 kinase alpha-5-like
XP_003774926.1 ribosomal protein S6 kinase alpha-6
XP_003455833.1 ribosomal protein S6 kinase alpha-6-like
XP_003458084.1 ribosomal protein S6 kinase beta-1-like
XP_003454689.1 ribosomal protein S6 kinase beta-2-like
XP_003449955.1 ribosomal protein S6 kinase delta-1-like
XP_003453188.1 ribosomal protein S6 kinase-like 1-like
XP_001104749.2 ribosomal RNA processing protein 1 homolog B-like
XP_004075353.1 ribosomal RNA-processing protein 8-like
XP_003454108.1 ribosome biogenesis protein BMS1 homolog
XP_003201117.1 ribosome-binding protein 1 isoform X1
XP_003449678.1 ribosome-releasing factor 2, mitochondrial-like
XP_001342072.1 RIKEN cDNA 9130211I03-like isoform 1
XP_001344183.3 RILP-like protein 1-like
XP_003760978.1 RIMS-binding protein 2 isoform 1
XP_001340852.1 RIMS-binding protein 2-like
XP_003444468.1 RING finger and CCCH-type zinc finger domain-containing protein 2-like

XP_003967068.1 RING finger and SPRY domain-containing protein 1-like
XP_003458098.1 RING finger and transmembrane domain-containing protein 1-like
XP_001518584.2 RING finger protein 10
XP_004072604.1 RING finger protein 10-like
XP_002715677.1 ring finger protein 11
XP_003442038.1 RING finger protein 113A-like
XP_003212215.1 RING finger protein 114-like, partial
XP_003975313.1 RING finger protein 11-like
XP_003456890.1 RING finger protein 121-like
XP_003224255.1 RING finger protein 122-like
XP_002663295.2 RING finger protein 122-like isoform X1
XP_003213298.1 RING finger protein 126-like
XP_003455428.1 RING finger protein 141-like
XP_003404917.1 RING finger protein 145-like
XP_001342512.2 RING finger protein 145-like isoform X1
XP_003452301.1 RING finger protein 150-like
XP_001343919.1 RING finger protein 151-like
XP_683006.4 RING finger protein 157
XP_004084310.1 RING finger protein 157-like
XP_701217.3 RING finger protein 165 isoform X4
XP_001920673.3 RING finger protein 165-like
XP_003209949.1 RING finger protein 166-like
XP_003444385.1 RING finger protein 170-like
XP_003965751.1 RING finger protein 183-like
XP_003447771.1 RING finger protein 207
XP_003444435.1 RING finger protein 208-like
XP_002664051.1 RING finger protein 213-like
XP_001334221.2 RING finger protein 214
XP_003444593.1 RING finger protein 215-like
XP_001343289.2 RING finger protein 219-like
XP_003964771.1 RING finger protein 222-like
XP_004086363.1 RING finger protein 223-like
XP_001333631.1 RING finger protein 224 isoform 1
XP_003452289.1 RING finger protein 24-like
XP_004065934.1 RING finger protein 24-like isoform 1
XP_003200094.1 RING finger protein 26
XP_695200.4 RING finger protein 38
XP_003448101.1 RING finger protein 38-like
XP_001362952.1 RING finger protein 43
XP_001380922.2 RING finger protein 44-like
XP_003977429.1 RING finger protein unkempt homolog
XP_001363593.2 RING finger protein unkempt-like
XP_002714207.1 RIO kinase 1
XP_003216784.1 RISC-loading complex subunit tarbp2-like
XP_004077980.1 RNA binding protein fox-1 homolog 1-like
XP_004071861.1 RNA binding protein fox-1 homolog 2-like
XP_003199678.1 RNA binding protein fox-1 homolog 3-like
XP_003455304.1 RNA exonuclease 1 homolog
XP_002665913.1 RNA exonuclease 4-like
XP_003451352.1 RNA polymerase II elongation factor ELL
XP_694180.3 RNA polymerase II elongation factor ELL2
XP_004070072.1 RNA polymerase II elongation factor ELL2-like
XP_003437680.1 RNA polymerase II elongation factor ELL-like
XP_003200406.1 RNA polymerase II-associated protein 1
XP_706962.2 RNA polymerase I-specific transcription initiation factor RRN3 isoformX2
XP_003442329.1 RNA polymerase-associated protein CTR9 homolog
XP_003458246.1 RNA polymerase-associated protein LEO1-like
XP_001512640.2 RNA polymerase-associated protein LEO1-like, partial
XP_003762033.1 RNA pseudouridylate synthase domain-containing protein 1
XP_693475.4 RNA pseudouridylate synthase domain-containing protein 2-like
XP_004084093.1 RNA/RNP complex-1-interacting phosphatase-like, partial
XP_002763353.2 RNA-binding motif protein, X chromosome-like
XP_004076708.1 RNA-binding motif protein, X-linked 2-like
XP_001102988.2 RNA-binding motif protein, X-linked-like-3-like
XP_001366652.2 RNA-binding motif, single-stranded-interacting protein 1 isoform 3
XP_693395.3 RNA-binding motif, single-stranded-interacting protein 1 isoform X3
XP_003441376.1 RNA-binding motif, single-stranded-interacting protein 2-like
XP_004078080.1 RNA-binding motif, single-stranded-interacting protein 3-like
XP_003448331.1 RNA-binding protein 10-like
XP_003454504.1 RNA-binding protein 12B-A-like
XP_003771633.1 RNA-binding protein 28
XP_001371879.1 RNA-binding protein 28 isoform 1
XP_003440617.1 RNA-binding protein 28-like
XP_004080978.1 RNA-binding protein 40-like
XP_004085176.1 RNA-binding protein 5-like
XP_003960227.1 RNA-binding protein 8A-like isoform 2
XP_003451764.1 RNA-binding protein EWS-like
XP_002665080.1 RNA-binding protein MEX3B-like
XP_003438020.1 RNA-binding protein MEX3D-like

XP_003441608.1 RNA-binding protein Musashi homolog 1-like isoform 1
 XP_004090371.1 RNA-binding protein Musashi homolog 2-like
 XP_683754.2 RNA-binding protein NOB1 isoformX1
 XP_003200102.1 RNA-binding protein Nova-1 isoformX2
 XP_003449873.1 RNA-binding protein Nova-1-like
 XP_004076075.1 RNA-binding protein Nova-1-like isoform 1
 XP_003940488.1 RNA-binding protein Nova-2
 XP_003205501.1 RNA-binding protein with multiple splicing-like
 XP_003448596.1 RNA-binding Raly-like protein-like
 XP_003199694.1 RNA-directed DNA polymerase from mobile element jockey-like
 XP_004085299.1 rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha-like, partial
 XP_685002.1 rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta isoform 1
 XP_003444376.1 rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta-like
 XP_004086187.1 rootletin-like
 XP_001920443.2 rotatin-like
 XP_001506563.2 round spermatid basic protein 1
 XP_003963635.1 round spermatid basic protein 1-like
 XP_003504482.1 round spermatid basic protein 1-like protein-like
 XP_002667245.2 round spermatid basic protein 1-like, partial
 XP_004002879.1 roundabout homolog 1 isoform 1
 XP_003450507.1 roundabout homolog 1-like
 XP_003783965.1 roundabout homolog 2
 XP_003455978.1 roundabout homolog 2-like
 XP_004080483.1 RPE-retinal G protein-coupled receptor-like
 XP_003446214.1 rRNA 2'-O-methyltransferase fibrillar-like
 XP_003458412.1 rRNA maturation factor homolog
 XP_691554.4 rRNA methyltransferase 1, mitochondrial
 XP_003447268.1 rRNA-processing protein UTP23 homolog
 XP_001919458.3 r-spondin-2
 XP_002667361.2 RUN and FYVE domain-containing protein 1-like
 XP_002698947.2 RUN and FYVE domain-containing protein 2
 XP_687077.4 RUN and SH3 domain-containing protein 1-like
 XP_002666415.2 run domain Beclin-1 interacting and cysteine-rich containing protein
 XP_004068008.1 run domain Beclin-1 interacting and cysteine-rich containing protein-like
 XP_003455407.1 run domain Beclin-1 interacting and cysteine-rich containing protein-like, partial
 XP_003198160.1 RUN domain-containing protein 1-like isoform X1
 XP_003762549.1 ruvB-like 1
 XP_003441508.1 ruvB-like 1-like
 XP_004076673.1 ruvB-like 2-like
 XP_003781886.1 RWD domain-containing protein 1
 XP_003459753.1 RWD domain-containing protein 4-like
 XP_341819.5 ryanodine receptor 1
 XP_003411054.1 ryanodine receptor 2
 XP_002667601.2 ryanodine receptor 2, partial
 XP_003454106.1 ryanodine receptor 2-like
 XP_003199712.1 ryanodine receptor 2-like, partial
 XP_001922113.2 ryanodine receptor 3
 XP_003200335.1 ryanodine receptor 3-like
 XP_003440467.1 S phase cyclin A-associated protein in the endoplasmic reticulum
 XP_001921517.3 S1 RNA-binding domain-containing protein 1, partial
 XP_003963930.1 S1 RNA-binding domain-containing protein 1-like
 XP_003219303.1 saccsin-like
 XP_003973552.1 S-adenosylmethionine mitochondrial carrier protein-like
 XP_004074534.1 S-adenosylmethionine synthase isoform type-2-like
 XP_001922174.1 sal-like protein 1-like
 XP_003443688.1 sal-like protein 3-like
 XP_689264.5 sal-like protein 3-like isoform X2
 XP_003499003.1 SAM and SH3 domain-containing protein 1
 XP_694810.2 SAM and SH3 domain-containing protein 1-like
 XP_690443.3 SAM and SH3 domain-containing protein 3-like
 XP_003983596.1 SAM domain and HD domain-containing protein 1
 XP_002710863.1 SAM domain- and HD domain-containing protein 1
 XP_003438935.1 SAM domain and HD domain-containing protein 1-like
 XP_003430451.1 SAM domain and HD domain-containing protein 1-like, partial
 XP_003450051.1 sarcalumenin-like
 XP_003964690.1 sarcalumenin-like isoform 1
 XP_004070817.1 sarcolemmal membrane-associated protein-like
 XP_004034409.1 sarcolemmal membrane-associated protein-like, partial
 XP_697108.5 sarcoplasmic/endoplasmic reticulum calcium ATPase 1
 XP_004020913.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 1 isoform 2
 XP_001369144.2 sarcoplasmic/endoplasmic reticulum calcium ATPase 1-like
 XP_001334062.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2
 XP_002192619.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform 2
 XP_003456576.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2-like
 XP_003444390.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2-like isoform 1
 XP_003444391.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2-like isoform 2
 XP_003211726.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 3
 XP_003458090.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 3-like
 XP_003444464.1 sarcosine dehydrogenase, mitochondrial-like

XP_003228894.1 sarcosine dehydrogenase, mitochondrial-like, partial
 XP_003457871.1 S-arrestin-like
 XP_002664500.2 sc:d0348
 XP_004068480.1 scaffold attachment factor B2-like
 XP_003446243.1 SCAN domain-containing protein 3-like
 XP_003451861.1 scavenger mRNA-decapping enzyme DcpS-like
 XP_693010.4 scavenger receptor class A member 3
 XP_003446373.1 scavenger receptor class A member 3-like
 XP_003975245.1 scavenger receptor class F member 2-like
 XP_003198298.1 scavenger receptor cysteine-rich type 1 protein M130-like
 XP_003894940.1 schwannomin-interacting protein 1
 XP_003199396.1 schwannomin-interacting protein 1-like
 XP_001338817.1 schwannomin-interacting protein 1-like isoform X1
 XP_001340683.1 sclerostin
 XP_003199528.1 Scm-like with four mbt domains 1 isoform X1
 XP_001516002.2 scm-like with four MBT domains protein 2-like
 XP_003979044.1 SCO-spondin-like, partial
 XP_003444987.1 SCY1-like protein 2
 XP_004083112.1 SCY1-like protein 2-like
 XP_003451233.1 sec1 family domain-containing protein 1
 XP_003439813.1 sec1 family domain-containing protein 2
 XP_004067617.1 sec1 family domain-containing protein 2-like
 XP_003451649.1 SEC14 domain and spectrin repeat-containing protein 1-like
 XP_003207568.1 SEC14 domain and spectrin repeat-containing protein 1-like, partial
 XP_002194607.1 SEC14-like protein 1
 XP_003211482.1 SEC14-like protein 1-like
 XP_003453047.1 SEC14-like protein 2-like
 XP_003478365.1 SEC14-like protein 3 isoform X1
 XP_002716359.1 SEC62 homolog
 XP_004065717.1 secernin-2-like
 XP_003447357.1 secernin-3-like
 XP_001380472.2 SECIS binding protein 2-like
 XP_003458630.1 secretagogin-like
 XP_003972340.1 secreted frizzled-related protein 2-like
 XP_001096160.2 secreted frizzled-related protein 5-like
 XP_003455157.1 secretory carrier-associated membrane protein 1-like
 XP_003967781.1 secretory carrier-associated membrane protein 5-like
 XP_001343683.1 secretory carrier-associated membrane protein 5-like isoform X1
 XP_001337068.4 secretory phospholipase A2 receptor-like
 XP_003200000.1 securin isoform 1
 XP_004076657.1 sedoheptulokinase-like
 XP_698367.5 segment polarity protein dishevelled homolog DVL-1
 XP_004070889.1 segment polarity protein dishevelled homolog DVL-1-like
 XP_003438986.1 segment polarity protein dishevelled homolog DVL-1-like isoform 2
 XP_003458917.1 segment polarity protein dishevelled homolog DVL-2-like
 XP_004003880.1 segment polarity protein dishevelled homolog DVL-3
 XP_001920242.3 segment polarity protein dishevelled homolog DVL-3 isoform X1
 XP_001520712.2 segment polarity protein dishevelled homolog DVL-3-like, partial
 XP_003447188.1 seipin-like
 XP_003439671.1 seizure 6-like protein-like
 XP_002663709.2 seizure 6-like protein-like, partial
 XP_001919970.3 seizure protein 6
 XP_003200099.1 seizure protein 6 homolog
 XP_003439938.1 sel1 repeat-containing protein 1-like
 XP_002709427.1 sel-1 suppressor of lin-12-like 3
 XP_003903448.1 selenide, water dikinase 1
 XP_004086738.1 selenium-binding protein 1-like
 XP_003456831.1 selenocysteine insertion sequence-binding protein 2
 XP_003455311.1 selenocysteine insertion sequence-binding protein 2-like
 XP_003444998.1 semaphorin-3aa-like
 XP_003444876.1 semaphorin-3ab-like
 XP_004083243.1 semaphorin-3C-like
 XP_687092.1 semaphorin-3D isoform X2
 XP_003440624.1 semaphorin-3D-like
 XP_004034221.1 semaphorin-3F isoform 2
 XP_001921106.2 semaphorin-3F isoform X1
 XP_003448442.1 semaphorin-3F-like
 XP_699956.3 semaphorin-4A
 XP_001338626.3 semaphorin-4B-like
 XP_003200859.1 semaphorin-4D-like
 XP_003452457.1 semaphorin-4F-like
 XP_001921423.2 semaphorin-4G
 XP_003199679.1 semaphorin-4G-like
 XP_003967930.1 semaphorin-5A-like
 XP_003454924.1 semaphorin-5B
 XP_003451156.1 semaphorin-6A
 XP_003451399.1 semaphorin-6B-like
 XP_003969888.1 semaphorin-6D-like
 XP_003450354.1 semaphorin-7A-like

XP_003201673.1 semaphorin-7A-like, partial
XP_001343517.1 sentrin-specific protease 1
XP_684283.2 sentrin-specific protease 2
XP_002665676.2 sentrin-specific protease 6
XP_003446716.1 sentrin-specific protease 6-like
XP_001337869.1 separin isoform X1
XP_003974982.1 septin-2A-like
XP_003451088.1 septin-2-like
XP_003458663.1 septin-4-like
XP_003451139.1 septin-5-like
XP_004073124.1 septin-6-like
XP_003439452.1 septin-7
XP_003979203.1 septin-7-like, partial
XP_003447038.1 septin-8-A-like
XP_693022.3 septin-9 isoform X3
XP_003972002.1 septin-9-like
XP_003447968.1 serine hydrolase-like protein-like
XP_003443267.1 serine hydroxymethyltransferase, cytosolic-like
XP_003223680.1 serine hydroxymethyltransferase, mitochondrial-like
XP_003443796.1 serine incorporator 1-like
XP_003200259.1 serine incorporator 2
XP_001926721.4 serine incorporator 3
XP_003199457.1 serine incorporator 3-like
XP_698642.3 serine incorporator 4-like isoform X2
XP_003451725.1 serine incorporator 5-like
XP_004075172.1 serine palmitoyltransferase 1-like
XP_003445532.1 serine palmitoyltransferase 2-like
XP_003445845.1 serine protease 23-like
XP_001341498.1 serine protease 27-like
XP_003200307.1 serine protease hepsin-like
XP_003438462.1 serine protease HTRA1
XP_002662051.2 serine protease HTRA1-like
XP_003199743.1 serine protease HTRA2, mitochondrial
XP_003453132.1 serine protease HTRA2, mitochondrial-like
XP_003773457.1 serine protease HTRA3
XP_003966768.1 serine protease HTRA3-like
XP_003978988.1 serine protease inhibitor A3K-like
XP_002661511.2 serine racemase-like isoform X1
XP_001333401.1 serine/arginine repetitive matrix protein 1-like
XP_001922611.1 serine/arginine repetitive matrix protein 2
XP_003912847.1 serine/arginine-rich splicing factor 1
XP_0034450574.1 serine/arginine-rich splicing factor 10-like
XP_003448396.1 serine/arginine-rich splicing factor 3-like
XP_001371339.1 serine/arginine-rich splicing factor 6-like
XP_004084258.1 serine/threonine-protein kinase 10-like
XP_004066689.1 serine/threonine-protein kinase 11-interacting protein-like
XP_003976285.1 serine/threonine-protein kinase 17A-like
XP_003458423.1 serine/threonine-protein kinase 17B-like
XP_003964682.1 serine/threonine-protein kinase 19-like
XP_001506209.1 serine/threonine-protein kinase 24
XP_003495273.1 serine/threonine-protein kinase 24-like
XP_003766296.1 serine/threonine-protein kinase 25
XP_796319.3 serine/threonine-protein kinase 25-like
XP_003200221.1 serine/threonine-protein kinase 31-like
XP_003446979.1 serine/threonine-protein kinase 32A-like
XP_002666127.2 serine/threonine-protein kinase 32B-like
XP_001374001.2 serine/threonine-protein kinase 32C-like
XP_003446551.1 serine/threonine-protein kinase 35-like
XP_003201281.1 serine/threonine-protein kinase 35-like isoform 2
XP_003200963.1 serine/threonine-protein kinase 38
XP_003455752.1 serine/threonine-protein kinase 38-like
XP_693275.5 serine/threonine-protein kinase 40, partial
XP_003450595.1 serine/threonine-protein kinase 40-like
XP_003443057.1 serine/threonine-protein kinase ATR
XP_003455699.1 serine/threonine-protein kinase B-raf-like
XP_003220900.1 serine/threonine-protein kinase B-raf-like isoform 2
XP_003316738.1 serine/threonine-protein kinase BRSK1
XP_004050457.1 serine/threonine-protein kinase BRSK2
XP_003440537.1 serine/threonine-protein kinase BRSK2-like
XP_004076424.1 serine/threonine-protein kinase Chk1-like isoform 1
XP_685219.2 serine/threonine-protein kinase D1 isoform X2
XP_003451253.1 serine/threonine-protein kinase D1-like
XP_002664613.2 serine/threonine-protein kinase D2-like
XP_685483.4 serine/threonine-protein kinase D3
XP_002914878.1 serine/threonine-protein kinase D3-like
XP_002665631.2 serine/threonine-protein kinase DCLK1-like
XP_003201302.1 serine/threonine-protein kinase DCLK2-like
XP_003968200.1 serine/threonine-protein kinase greatwall-like
XP_694998.5 serine/threonine-protein kinase H1 homolog

XP_003225420.1 serine/threonine-protein kinase H1-like
XP_003441169.1 serine/threonine-protein kinase ICK
XP_003964215.1 serine/threonine-protein kinase ICK-like
XP_003962214.1 serine/threonine-protein kinase LATS2-like
XP_683424.5 serine/threonine-protein kinase LMTK1-like
XP_693087.2 serine/threonine-protein kinase LMTK2-like isoform X2
XP_003443566.1 serine/threonine-protein kinase MAK
XP_003265257.2 serine/threonine-protein kinase MARK1
XP_003203862.1 serine/threonine-protein kinase MARK1-like
XP_003964069.1 serine/threonine-protein kinase MARK1-like isoform 1
XP_003452451.1 serine/threonine-protein kinase MARK2
XP_686552.4 serine/threonine-protein kinase MARK2 isoform 1
XP_004079820.1 serine/threonine-protein kinase MARK2-like
XP_003216112.1 serine/threonine-protein kinase MRCK alpha-like
XP_001491749.2 serine/threonine-protein kinase MRCK beta
XP_003224114.1 serine/threonine-protein kinase MRCK beta-like
XP_003449179.1 serine/threonine-protein kinase mTOR
XP_004070298.1 serine/threonine-protein kinase mTOR-like
XP_689331.3 serine/threonine-protein kinase N1 isoform X3
XP_003217183.1 serine/threonine-protein kinase N1-like
XP_700704.3 serine/threonine-protein kinase N2
XP_003198687.1 serine/threonine-protein kinase N2 isoform X1
XP_003438074.1 serine/threonine-protein kinase N2-like
XP_003439822.1 serine/threonine-protein kinase Nek1
XP_002665088.2 serine/threonine-protein kinase Nek10
XP_001378210.1 serine/threonine-protein kinase Nek3
XP_003450242.1 serine/threonine-protein kinase Nek3-like
XP_002664588.2 serine/threonine-protein kinase Nek3-like, partial
XP_003449592.1 serine/threonine-protein kinase Nek5-like
XP_001509791.2 serine/threonine-protein kinase Nek6-like
XP_003455689.1 serine/threonine-protein kinase Nek7-like
XP_003440321.1 serine/threonine-protein kinase Nek8-like
XP_003756290.1 serine/threonine-protein kinase Nek9
XP_004082625.1 serine/threonine-protein kinase Nek9-like
XP_003200450.1 serine/threonine-protein kinase Nek9-like, partial
XP_002661010.2 serine/threonine-protein kinase NIM1-like
XP_003199151.1 serine/threonine-protein kinase NIM1-like isoform X1
XP_003442610.1 serine/threonine-protein kinase NLK2-like
XP_001506943.2 serine/threonine-protein kinase NLK-like
XP_003459771.1 serine/threonine-protein kinase NLK-like, partial
XP_003439248.1 serine/threonine-protein kinase OSR1-like
XP_003973904.1 serine/threonine-protein kinase PAK 2-like isoform 1
XP_003973905.1 serine/threonine-protein kinase PAK 2-like isoform 2
XP_003439964.1 serine/threonine-protein kinase PAK 2-like isoform 4
XP_002814509.1 serine/threonine-protein kinase PAK 2-like, partial
XP_003971199.1 serine/threonine-protein kinase PAK 3-like isoform 1
XP_003362034.1 serine/threonine-protein kinase PAK 3-like, partial
XP_003447871.1 serine/threonine-protein kinase PAK 6
XP_003200338.1 serine/threonine-protein kinase PAK 6-like
XP_003440844.1 serine/threonine-protein kinase PAK 7-like
XP_003455270.1 serine/threonine-protein kinase pdk11-like
XP_003642760.1 serine/threonine-protein kinase pim-1 isoform X1
XP_001342284.4 serine/threonine-protein kinase pim-2-like
XP_001344860.4 serine/threonine-protein kinase pim-3
XP_003225022.1 serine/threonine-protein kinase pim-3-like
XP_003438839.1 serine/threonine-protein kinase PINK1, mitochondrial-like
XP_003199325.1 serine/threonine-protein kinase PLK2
XP_003968953.1 serine/threonine-protein kinase ppk15-like
XP_003458617.1 serine/threonine-protein kinase PRKX-like
XP_002195020.1 serine/threonine-protein kinase RIO3
XP_001341750.1 serine/threonine-protein kinase SBK1
XP_688256.4 serine/threonine-protein kinase SBK1-like
XP_684216.2 serine/threonine-protein kinase SBK1-like isoform 1
XP_696325.5 serine/threonine-protein kinase SIK2
XP_003968499.1 serine/threonine-protein kinase SIK2-like
XP_003449344.1 serine/threonine-protein kinase SIK3 homolog
XP_003448188.1 serine/threonine-protein kinase SRPK1-like
XP_002666802.2 serine/threonine-protein kinase SRPK2-like
XP_003770133.1 serine/threonine-protein kinase TAO1
XP_003971107.1 serine/threonine-protein kinase TAO1-B-like isoform 2
XP_004075633.1 serine/threonine-protein kinase TAO1-like
XP_003200097.1 serine/threonine-protein kinase TAO1-like isoform 2
XP_684002.2 serine/threonine-protein kinase TAO2-like
XP_003454216.1 serine/threonine-protein kinase TAO3
XP_003198658.1 serine/threonine-protein kinase TAO3-like isoform 3
XP_003784359.1 serine/threonine-protein kinase TNK1, partial
XP_004032844.1 serine/threonine-protein kinase tousled-like 1
XP_004078954.1 serine/threonine-protein kinase tousled-like 1-B-like isoform 1
XP_003964858.1 serine/threonine-protein kinase tousled-like 2-like isoform 2

XP_003444444.1 serine/threonine-protein kinase ULK1
 XP_002665971.2 serine/threonine-protein kinase ULK1 isoform X1
 XP_002664661.2 serine/threonine-protein kinase ULK2-like
 XP_003437727.1 serine/threonine-protein kinase ULK3-like
 XP_003794598.1 serine/threonine-protein kinase ULK4
 XP_003200177.1 serine/threonine-protein kinase ULK4-like
 XP_003456241.1 serine/threonine-protein kinase VRK1-like
 XP_002666892.2 serine/threonine-protein kinase WNK1
 XP_004070116.1 serine/threonine-protein kinase WNK1-like
 XP_004070831.1 serine/threonine-protein kinase WNK2-like
 XP_003201253.1 serine/threonine-protein kinase WNK3-like
 XP_003453455.1 serine/threonine-protein kinase WNK4-like
 XP_003456386.1 serine/threonine-protein kinase/endoribonuclease IRE1
 XP_003978972.1 serine/threonine-protein kinase/endoribonuclease IRE1-like, partial
 XP_001919558.3 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform-like
 XP_687821.5 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B gamma isoform-like
 XP_002917237.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform-like
 XP_690770.2 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform-like
 XP_004082806.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform-like
 XP_003206777.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform-like
 XP_004083820.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform-like isoform 1
 XP_003971593.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform-like isoform 2
 XP_003450902.1 serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform-like
 XP_001917962.1 serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform-like
 XP_694203.2 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha isoform X3
 XP_003962449.1 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha-like
 XP_694390.3 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit beta isoform X4
 XP_003218828.1 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit beta-like
 XP_003452434.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform-like
 XP_003965422.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform-like isoform 1
 XP_003965423.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform-like isoform 2
 XP_003448618.1 serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform
 XP_003973784.1 serine/threonine-protein phosphatase 4 regulatory subunit 2-B-like
 XP_001494547.2 serine/threonine-protein phosphatase 4 regulatory subunit 3A-like
 XP_001510357.2 serine/threonine-protein phosphatase 4 regulatory subunit 3B
 XP_003963927.1 serine/threonine-protein phosphatase 4 regulatory subunit 3-B-like
 XP_003438361.1 serine/threonine-protein phosphatase 4 regulatory subunit 3-B-like isoform 3
 XP_004083513.1 serine/threonine-protein phosphatase 4 regulatory subunit 3-like
 XP_696336.4 serine/threonine-protein phosphatase 4 regulatory subunit 4
 XP_004075275.1 serine/threonine-protein phosphatase 5-like isoform 1
 XP_689244.2 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
 XP_418739.3 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A isoform X2
 XP_003454421.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A-like
 XP_003456338.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B
 XP_003225108.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B-like
 XP_003441397.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C-like
 XP_003200469.1 serine/threonine-protein phosphatase 6 regulatory subunit 2
 XP_003779627.1 serine/threonine-protein phosphatase 6 regulatory subunit 2 isoform 2
 XP_003442579.1 serine/threonine-protein phosphatase PP1-alpha catalytic subunit-like
 XP_001117941.1 serine/threonine-protein phosphatase PP1-alpha catalytic subunit-like isoform 1
 XP_003446323.1 serine/threonine-protein phosphatase PP1-beta catalytic subunit-like
 XP_003498510.1 serine/threonine-protein phosphatase PP1-gamma catalytic subunit-like
 XP_004072820.1 serine/threonine-protein phosphatase PP1-gamma catalytic subunit-like isoform 2
 XP_003451578.1 serine/threonine-protein phosphatase with EF-hands 2-like
 XP_003445858.1 serine/threonine-protein phosphatase with EF-hands 2-like, partial
 XP_003441751.1 serine-protein kinase ATM
 XP_002664603.2 serine-protein kinase ATM, partial
 XP_002666588.1 serine-protein kinase ATM-like
 XP_003438192.1 serine--pyruvate aminotransferase, mitochondrial-like
 XP_003976547.1 serine-rich and transmembrane domain-containing protein 1-like
 XP_003450925.1 serum amyloid P-component-like
 XP_003454412.1 serum paraoxonase/arylesterase 2-like
 XP_003441253.1 serum response factor-like
 XP_003449319.1 seryl-tRNA synthetase, mitochondrial-like
 XP_693644.2 sesquipedalian-1 isoform X2
 XP_004080337.1 sesquipedalian-1-like
 XP_004083525.1 sestrin-1-like isoform 1
 XP_003199953.1 sestrin-3-like
 XP_003969594.1 SET and MYND domain-containing protein 3-like
 XP_698834.4 SET domain-containing protein 5 isoform X3
 XP_004069049.1 SET domain-containing protein 5-like
 XP_001332805.2 SET domain-containing protein 9-like isoform X1
 XP_003439681.1 set1/Ash2 histone methyltransferase complex subunit ASH2-like
 XP_698139.1 SET-binding protein-like
 XP_003439840.1 sex comb on midleg-like protein 2
 XP_003199550.1 sex comb on midleg-like protein 2 isoform X1
 XP_004067032.1 sex comb on midleg-like protein 2-like
 XP_001332433.4 sex comb on midleg-like protein 4-like isoform X1
 XP_004085890.1 sex comb on midleg-like protein 4-like, partial

XP_003962829.1 SH2 domain-containing adapter protein D-like
 XP_689987.3 SH2 domain-containing adapter protein E
 XP_003969616.1 SH2 domain-containing adapter protein F-like
 XP_001521547.1 SH2 domain-containing adapter protein F-like, partial
 XP_687225.2 SH2 domain-containing protein 3C isoform X3
 XP_002664220.2 SH2 domain-containing protein 4B
 XP_002663532.2 SH2 domain-containing protein 4B isoform X1
 XP_689048.4 SH2 domain-containing protein 4B-like
 XP_004071137.1 SH2B adapter protein 1-like
 XP_003968456.1 SH2B adapter protein 2-like
 XP_003200044.1 SH2B adapter protein 2-like, partial
 XP_003198643.1 SH2B adapter protein 3
 XP_003442195.1 SH3 and cysteine-rich domain-containing protein 2-like
 XP_003973589.1 SH3 and cysteine-rich domain-containing protein 3-like
 XP_001344470.3 SH3 and cysteine-rich domain-containing protein-like
 XP_003222760.1 SH3 and multiple ankyrin repeat domains protein 1-like
 XP_003452658.1 SH3 and multiple ankyrin repeat domains protein 2-like
 XP_003198290.1 SH3 and multiple ankyrin repeat domains protein 3 isoform X1
 XP_003200477.1 SH3 and multiple ankyrin repeat domains protein 3-like, partial
 XP_003483602.1 SH3 and PX domain-containing protein 2A-like
 XP_003200955.1 SH3 and PX domain-containing protein 2B
 XP_004080075.1 SH3 domain and tetratricopeptide repeat-containing protein 1-like
 XP_002664477.2 SH3 domain and tetratricopeptide repeat-containing protein 2 isoform X1
 XP_004073576.1 SH3 domain and tetratricopeptide repeat-containing protein 2-like
 XP_003455673.1 SH3 domain-binding glutamic acid-rich-like protein 2-like
 XP_003970167.1 SH3 domain-binding glutamic acid-rich-like protein-like
 XP_001345357.3 SH3 domain-binding protein 1-like
 XP_004075201.1 SH3 domain-binding protein 2-like
 XP_003514325.1 SH3 domain-binding protein 4-like
 XP_682769.5 SH3 domain-binding protein 5
 XP_003458552.1 SH3 domain-binding protein 5-like
 XP_002666707.2 SH3 domain-containing kinase-binding protein 1-like
 XP_003201301.1 SH3 domain-containing protein 19, partial
 XP_538425.3 SH3 domain-containing RING finger protein 3
 XP_003765749.1 SH3 domain-containing RING finger protein 3, partial
 XP_003445405.1 SH3 domain-containing RING finger protein 3-like
 XP_694886.2 SH3 domain-containing YSC84-like protein 1
 XP_003411911.1 SH3 domain-containing YSC84-like protein 1-like
 XP_687006.2 SH3-binding domain protein 5-like, b isoform X2
 XP_003445161.1 SH3-containing GRB2-like protein 3-interacting protein 1
 XP_003226811.1 SH3-containing GRB2-like protein 3-interacting protein 1-like
 XP_001920935.3 SH3KBP1-binding protein 1-like
 XP_003201808.1 shaker-related potassium channel tsha2-like
 XP_001921625.1 SHC-transforming protein 1-like
 XP_003440091.1 SHC-transforming protein 2-like
 XP_002665883.2 SHC-transforming protein 3-like
 XP_685212.3 shootin-1
 XP_002738979.1 short chain dehydrogenase/reductase family 16C, member 5-like
 XP_004017574.1 short coiled-coil protein
 XP_003451601.1 short stature homeobox protein-like isoform 2
 XP_004081147.1 short transient receptor potential channel 1-like
 XP_004076575.1 short transient receptor potential channel 2-like
 XP_003772820.1 short transient receptor potential channel 3
 XP_003732490.1 short transient receptor potential channel 3 isoform 2
 XP_001920781.1 short transient receptor potential channel 4
 XP_003971385.1 short transient receptor potential channel 4-like
 XP_003774973.1 short transient receptor potential channel 5
 XP_003455059.1 short transient receptor potential channel 5-like
 XP_002665445.1 short transient receptor potential channel 6
 XP_003357304.2 short transient receptor potential channel 6 isoform 2
 XP_001367163.2 short transient receptor potential channel 7
 XP_003444730.1 short transient receptor potential channel 7-like
 XP_003441833.1 short/branched chain specific acyl-CoA dehydrogenase, mitochondrial-like
 XP_002194463.1 short-chain dehydrogenase/reductase 3
 XP_003439669.1 short-chain specific acyl-CoA dehydrogenase, mitochondrial-like
 XP_697747.3 si:ch211-107m4.1
 XP_690089.3 si:ch211-120p12.4
 XP_687401.4 si:ch211-136a13.1
 XP_700204.4 si:ch211-149l1.2 isoform X4
 XP_683586.2 si:ch211-153a8.4
 XP_003200686.1 si:ch211-193k19.1
 XP_686502.2 si:ch211-195e3.4
 XP_003201083.1 si:ch211-197g15.9 isoform X1
 XP_687974.4 si:ch211-1n9.7
 XP_697559.3 si:ch211-205h19.1
 XP_696369.5 si:ch211-287c11.1
 XP_686696.2 si:ch211-288d18.1
 XP_003198203.1 si:ch211-66h3.1
 XP_003198115.1 si:ch211-8c17.3

XP_001923918.1 si:ch73-381f5.3 isoformX2
 XP_001332705.1 si:dkey-100n23.5 isoform X1
 XP_689158.5 si:dkey-11p10.8
 XP_689495.2 si:dkey-149j18.1 isoform X3
 XP_683027.4 si:dkey-170m15.2
 XP_694092.1 si:dkey-193b15.6
 XP_001336203.2 si:dkey-220k22.1
 XP_687083.3 si:dkey-25f3.4
 XP_690066.1 si:dkey-261e22.1
 XP_697494.5 si:dkey-266m15.6
 XP_001335195.1 si:dkey-26c10.5 isoformX1
 XP_003200651.1 si:dkey-27c15.3
 XP_693201.2 si:dkey-287h13.1
 XP_697952.1 si:dkey-33i11.9
 XP_002665174.2 si:dkey-36g24.3
 XP_699016.3 si:dkey-5n18.1
 XP_001345882.2 si:dkey-79f11.4
 XP_688827.3 si:dkey-97i18.2
 XP_001337454.1 si:dkeyp-110e4.11
 XP_688031.3 si:dkeyp-11g8.5
 XP_003441721.1 sialate O-acetyltransferase-like
 XP_003454891.1 sialidase-4-like
 XP_004074329.1 sialin-like
 XP_002665635.2 sialin-like isoform X1
 XP_003905060.1 sialoadhesin
 XP_003200285.1 sialoadhesin-like
 XP_003903517.1 sickle tail protein homolog
 XP_003439382.1 sickle tail protein-like
 XP_002735385.1 sidekick 1-like
 XP_003970448.1 sideroflexin-1-like
 XP_003456599.1 signal peptidase complex subunit 3-like
 XP_003437734.1 signal peptide peptidase-like 2A-like
 XP_003448587.1 signal peptide peptidase-like 2B-like
 XP_003970010.1 signal peptide, CUB and EGF-like domain-containing protein 2-like
 XP_004070868.1 signal peptide, CUB and EGF-like domain-containing protein 3-like
 XP_004082449.1 signal recognition particle 54 kDa protein-like, partial
 XP_003447961.1 signal recognition particle 68 kDa protein-like
 XP_003443416.1 signal recognition particle 72 kDa protein
 XP_697518.3 signal recognition particle receptor subunit alpha isoform 2
 XP_003441644.1 signal recognition particle receptor subunit alpha-like isoform 1
 XP_003454861.1 signal recognition particle receptor subunit beta-like
 XP_002194469.1 signal transducer and activator of transcription 1-like
 XP_004081723.1 signal transducer and activator of transcription 4-like
 XP_003964846.1 signal transducer and activator of transcription 5B-like
 XP_003437869.1 signal transducing adapter molecule 1-like
 XP_003454945.1 signal transducing adapter molecule 2-like
 XP_419564.2 signal-induced proliferation-associated 1 like 2 isoform X6
 XP_004082641.1 signal-induced proliferation-associated 1-like protein 1-like
 XP_004077616.1 signal-induced proliferation-associated 1-like protein 2-like
 XP_682857.5 signal-induced proliferation-associated 1-like protein 2-like isoform X7
 XP_002667291.2 signal-induced proliferation-associated 1-like protein 2-like, partial
 XP_004079230.1 signal-transducing adaptor protein 2-like
 XP_975051.1 similar to calnexin
 XP_970152.2 similar to CG9747 CG9747-PA
 XP_001808188.1 similar to pol-like protein
 XP_966417.2 similar to protein phosphatase 1, catalytic subunit, beta isoform 1
 XP_003495971.1 sin3 histone deacetylase corepressor complex component SDS3-like
 XP_003454910.1 single-minded homolog 1-A-like
 XP_004083626.1 single-minded homolog 1-like
 XP_416724.2 single-minded homolog 2 isoform X2
 XP_001512322.2 single-minded homolog 2-like
 XP_004069298.1 single-strand selective monofunctional uracil DNA glycosylase-like
 XP_001369697.2 single-stranded DNA-binding protein 2
 XP_003786065.1 single-stranded DNA-binding protein 2-like
 XP_003451410.1 single-stranded DNA-binding protein 3-like
 XP_693953.2 sister chromatid cohesion protein PDS5 homolog B
 XP_002666900.2 SITS-binding protein-like
 XP_003444489.1 SKI family transcriptional corepressor 1 homolog-B-like
 XP_004075056.1 SKI family transcriptional corepressor 2-like
 XP_001342844.2 SKI/DACH domain-containing protein 1
 XP_003448590.1 ski-like protein-like
 XP_003439990.1 SLAIN motif-containing protein 2-like
 XP_003445991.1 SLAIN motif-containing protein-like
 XP_003457715.1 SLAM family member 7-like
 XP_001332767.2 SLIT and NTRK-like family, member 2
 XP_001346135.2 SLIT and NTRK-like family, member 3b
 XP_687093.2 SLIT and NTRK-like protein 1-like
 XP_002667889.1 SLIT and NTRK-like protein 3-like
 XP_002660379.2 SLIT and NTRK-like protein 5-like

XP_686401.2 slit and trk like 4 protein
XP_001920877.1 slit homolog 1 protein-like
XP_004077199.1 slit homolog 1 protein-like isoform 1
XP_004077200.1 slit homolog 1 protein-like isoform 2
XP_003452233.1 slit homolog 2 protein
XP_004065900.1 slit homolog 2 protein-like
XP_004073091.1 slit homolog 3 protein-like
XP_003447175.1 SLIT-ROBO Rho GTPase-activating protein 1
XP_003221227.1 SLIT-ROBO Rho GTPase-activating protein 1-like
XP_689729.2 SLIT-ROBO Rho GTPase-activating protein 3
XP_003441328.1 SLIT-ROBO Rho GTPase-activating protein 3-like
XP_003760988.1 smad nuclear-interacting protein 1-like
XP_003444371.1 small conductance calcium-activated potassium channel protein 2-like
XP_001921794.2 small conductance calcium-activated potassium channel protein 3-like
XP_003975787.1 small conductance calcium-activated potassium channel protein-like
XP_004063245.1 small G protein signaling modulator 1
XP_003199319.1 small G protein signaling modulator 1-like
XP_002830991.2 small G protein signaling modulator 1-like, partial
XP_003200084.1 small G protein signaling modulator 2-like
XP_003978034.1 small glutamine-rich tetratricopeptide repeat-containing protein beta-like
XP_003457901.1 small nuclear ribonucleoprotein G-like
XP_004014439.1 small nuclear ribonucleoprotein-associated protein B' isoform 2
XP_003974427.1 small RNA 2'-O-methyltransferase-like
XP_004082911.1 small subunit processome component 20 homolog
XP_001920500.3 small subunit processome component 20 homolog, partial
XP_002748824.1 small ubiquitin-related modifier 2-like
XP_687034.3 smith-Magenis syndrome chromosomal region candidate gene 8 protein homolog
XP_003228346.1 Smith-Magenis syndrome chromosomal region candidate gene 8 protein-like
XP_003199343.1 smoothelin isoform X1
XP_004072633.1 smoothelin-like
XP_003453781.1 smoothelin-like protein 2-like
XP_004083204.1 smoothed homolog
XP_003970001.1 sn1-specific diacylglycerol lipase alpha-like
XP_693659.5 sn1-specific diacylglycerol lipase beta
XP_004086833.1 sn1-specific diacylglycerol lipase beta-like
XP_003451246.1 snRNA-activating protein complex subunit 1-like
XP_001923727.1 snRNA-activating protein complex subunit 2-like
XP_003967647.1 snurportin-1-like
XP_003440728.1 SNW domain-containing protein 1-like
XP_695932.1 sodium- and chloride-dependent creatine transporter 1 isoform X3
XP_004086418.1 sodium- and chloride-dependent creatine transporter 1-like
XP_003762464.1 sodium- and chloride-dependent GABA transporter 1 isoform 2
XP_003445050.1 sodium- and chloride-dependent GABA transporter 1-like
XP_003448459.1 sodium- and chloride-dependent GABA transporter 2-like
XP_002667408.2 sodium- and chloride-dependent GABA transporter 2-like, partial
XP_004018733.1 sodium- and chloride-dependent GABA transporter 3
XP_003454621.1 sodium- and chloride-dependent GABA transporter 3-like
XP_001919920.3 sodium- and chloride-dependent GABA transporter 3-like, partial
XP_003975936.1 sodium- and chloride-dependent glycine transporter 1-like
XP_003454391.1 sodium- and chloride-dependent glycine transporter 2-like
XP_001923596.1 sodium- and chloride-dependent neutral and basic amino acid transporter B(0+)
XP_004068949.1 sodium- and chloride-dependent taurine transporter-like
XP_003446253.1 sodium- and chloride-dependent transporter XTRP3A-like
XP_001507462.2 sodium bicarbonate cotransporter 3
XP_697323.4 sodium bicarbonate cotransporter 3-like
XP_003448095.1 sodium channel and clathrin linker 1
XP_003197681.1 sodium channel and clathrin linker 1-like
XP_003440926.1 sodium channel protein type 2 subunit alpha-like
XP_003978013.1 sodium channel protein type 2 subunit alpha-like, partial
XP_004004696.1 sodium channel protein type 3 subunit alpha isoform 4
XP_004084549.1 sodium channel protein type 4 subunit alpha B-like
XP_003430053.1 sodium channel protein type 4 subunit alpha-like, partial
XP_003457497.1 sodium channel protein type 5 subunit alpha-like
XP_003963143.1 sodium channel protein type 8 subunit alpha isoform 1
XP_003448197.1 sodium channel protein type 8 subunit alpha-like
XP_003447309.1 sodium channel subunit beta-1-like
XP_004075462.1 sodium channel subunit beta-3-like
XP_003441768.1 sodium channel subunit beta-4-like
XP_003451594.1 sodium leak channel non-selective protein isoform 1
XP_003484282.1 sodium leak channel non-selective protein-like
XP_003961665.1 sodium leak channel non-selective protein-like isoform 1
XP_003773206.1 sodium/bile acid cotransporter 7
XP_003221775.1 sodium/bile acid cotransporter 7-A-like
XP_003446383.1 sodium/bile acid cotransporter-like
XP_003450490.1 sodium/calcium exchanger 1-like
XP_003968752.1 sodium/calcium exchanger 2-like
XP_004082132.1 sodium/calcium exchanger 3-like
XP_004074866.1 sodium/glucose cotransporter 1-like
XP_001345853.1 sodium/glucose cotransporter 5-like

XP_001370791.1 sodium/hydrogen exchanger 1
 XP_004086134.1 sodium/hydrogen exchanger 5-like
 XP_003445201.1 sodium/hydrogen exchanger 6-like
 XP_003451383.1 sodium/hydrogen exchanger 7-like
 XP_003963383.1 sodium/hydrogen exchanger 8-like
 XP_696755.2 sodium/myo-inositol cotransporter-like
 XP_004070063.1 sodium/nucleoside cotransporter 1-like
 XP_001921977.1 sodium/potassium/calcium exchanger 1
 XP_001506499.2 sodium/potassium/calcium exchanger 1-like
 XP_003911723.1 sodium/potassium/calcium exchanger 2
 XP_003967027.1 sodium/potassium/calcium exchanger 2-like
 XP_685302.3 sodium/potassium/calcium exchanger 3
 XP_689707.4 sodium/potassium/calcium exchanger 3-like
 XP_002665845.1 sodium/potassium/calcium exchanger 4
 XP_001380427.1 sodium/potassium/calcium exchanger 5
 XP_003969886.1 sodium/potassium/calcium exchanger 5-like
 XP_003974969.1 sodium/potassium/calcium exchanger 6-like
 XP_003446653.1 sodium/potassium-transporting ATPase subunit alpha-1-like
 XP_003892979.1 sodium/potassium-transporting ATPase subunit alpha-2
 XP_003258742.1 sodium/potassium-transporting ATPase subunit alpha-2 isoform 2
 XP_003454654.1 sodium/potassium-transporting ATPase subunit alpha-3-like
 XP_001335601.3 sodium/potassium-transporting ATPase subunit beta-1-interacting protein 2
 XP_001376264.2 sodium/potassium-transporting ATPase subunit beta-1-interacting protein 4-like
 XP_003460143.1 sodium/potassium-transporting ATPase subunit beta-3-like
 XP_004075454.1 sodium/potassium-transporting ATPase subunit gamma-like
 XP_001344749.1 sodium-coupled neutral amino acid transporter 3 isoform X1
 XP_003441336.1 sodium-coupled neutral amino acid transporter 3-like
 XP_003443701.1 sodium-dependent dopamine transporter
 XP_004077808.1 sodium-dependent dopamine transporter-like
 XP_003977814.1 sodium-dependent glucose transporter 1-like
 XP_003978582.1 sodium-dependent multivitamin transporter-like
 XP_002187651.1 sodium-dependent neutral amino acid transporter B(0)AT1
 XP_002665492.2 sodium-dependent neutral amino acid transporter B(0)AT1-like
 XP_003783429.1 sodium-dependent neutral amino acid transporter B(0)AT2
 XP_003449204.1 sodium-dependent neutral amino acid transporter B(0)AT2-like
 XP_004074460.1 sodium-dependent neutral amino acid transporter B(0)AT3-like
 XP_694138.3 sodium-dependent noradrenaline transporter-like
 XP_002664304.2 sodium-dependent phosphate transport protein 2A
 XP_003455260.1 sodium-dependent phosphate transport protein 2A-like
 XP_003794978.1 sodium-dependent phosphate transport protein 2C
 XP_003974988.1 sodium-dependent phosphate transporter 2-like
 XP_003451064.1 sodium-dependent phosphate transporter 2-like isoform 2
 XP_003456859.1 sodium-dependent proline transporter-like
 XP_001335452.2 sodium-driven chloride bicarbonate exchanger-like
 XP_003455856.1 sodium-independent sulfate anion transporter
 XP_003450175.1 soluble calcium-activated nucleotidase 1-like
 XP_003970419.1 soluble guanylate cyclase 88E-like
 XP_001919339.1 soluble lamin-associated protein of 75 kDa
 XP_851303.2 solute carrier family 10 member 6
 XP_002665343.2 solute carrier family 12 member 1-like
 XP_003228048.1 solute carrier family 12 member 1-like isoform 2
 XP_003965092.1 solute carrier family 12 member 2-like
 XP_003201788.1 solute carrier family 12 member 2-like, partial
 XP_691291.2 solute carrier family 12 member 4 isoform X2
 XP_696060.5 solute carrier family 12 member 5
 XP_003438907.1 solute carrier family 12 member 5-like
 XP_003458813.1 solute carrier family 12 member 6-like
 XP_003340641.1 solute carrier family 12 member 7
 XP_003207744.1 solute carrier family 12 member 8-like
 XP_003456362.1 solute carrier family 12 member 9-like
 XP_003455772.1 solute carrier family 13 member 4
 XP_001345110.3 solute carrier family 13 member 5-like
 XP_003202602.1 solute carrier family 15 member 1
 XP_001919914.3 solute carrier family 15 member 1 isoform X1
 XP_004081984.1 solute carrier family 15 member 1-like
 XP_003445680.1 solute carrier family 15 member 4-like
 XP_001339885.1 solute carrier family 15 member 5-like
 XP_003438921.1 solute carrier family 17 member 9-like
 XP_002662574.1 solute carrier family 2, facilitated glucose transporter member 1
 XP_688856.2 solute carrier family 2, facilitated glucose transporter member 11-like
 XP_004083750.1 solute carrier family 2, facilitated glucose transporter member 12-like
 XP_002665301.1 solute carrier family 2, facilitated glucose transporter member 1-like
 XP_003442932.1 solute carrier family 2, facilitated glucose transporter member 2
 XP_004082211.1 solute carrier family 2, facilitated glucose transporter member 2-like
 XP_003458753.1 solute carrier family 2, facilitated glucose transporter member 4-like
 XP_004070438.1 solute carrier family 2, facilitated glucose transporter member 5-like
 XP_423637.3 solute carrier family 2, facilitated glucose transporter member 6 isoform X3
 XP_001918954.3 solute carrier family 2, facilitated glucose transporter member 9
 XP_003456736.1 solute carrier family 2, facilitated glucose transporter member 9-like

XP_003979318.1 solute carrier family 22 member 13-like
XP_002666780.1 solute carrier family 22 member 17-like
XP_003969813.1 solute carrier family 22 member 18-like
XP_003437939.1 solute carrier family 22 member 23-like
XP_003456746.1 solute carrier family 22 member 2-like
XP_001340212.4 solute carrier family 22 member 4-like
XP_001923128.3 solute carrier family 22 member 6-A
XP_001337264.2 solute carrier family 22 member 7
XP_001340340.2 solute carrier family 22 member 7-like
XP_002663244.1 solute carrier family 23 member 2 isoform X1
XP_001339365.2 solute carrier family 23 member 2-like
XP_003973321.1 solute carrier family 25 member 34-like
XP_004076563.1 solute carrier family 25 member 35-like
XP_004003928.1 solute carrier family 25 member 36
XP_003789489.1 solute carrier family 25 member 36 isoform 1
XP_003456996.1 solute carrier family 25 member 36-A-like
XP_003226761.1 solute carrier family 25 member 36-like
XP_003447954.1 solute carrier family 25 member 38-B-like
XP_004071208.1 solute carrier family 25 member 39-like isoform 1
XP_003450998.1 solute carrier family 25 member 40-like
XP_003438012.1 solute carrier family 25 member 42-like
XP_002664343.1 solute carrier family 25 member 51-like
XP_003454609.1 solute carrier family 26 member 6-like
XP_003501257.1 solute carrier family 26 member 9
XP_003442042.1 solute carrier family 35 member B1-like
XP_001380781.1 solute carrier family 35 member D3
XP_693964.1 solute carrier family 35 member D3-like
XP_003974370.1 solute carrier family 35 member E1-like
XP_003962998.1 solute carrier family 35 member E2-like
XP_002190109.1 solute carrier family 35 member F1
XP_003215643.1 solute carrier family 35 member F1-like
XP_004075546.1 solute carrier family 35 member F2-like
XP_002664257.1 solute carrier family 35 member F3
XP_003441187.1 solute carrier family 35 member F3-like
XP_003200421.1 solute carrier family 35 member F4-like
XP_001341551.2 solute carrier family 35 member F4-like isoform X1
XP_001341822.1 solute carrier family 35 member G1-like
XP_004081137.1 solute carrier family 35 member G2-like
XP_001920227.2 solute carrier family 40 member 1-like
XP_002663867.1 solute carrier family 41 member 1
XP_690093.1 solute carrier family 41 member 1-like isoform X1
XP_693342.3 solute carrier family 41 member 2-like
XP_694603.3 solute carrier family 41 member 2-like isoform X2
XP_002666553.1 solute carrier family 41 member 3-like
XP_004065698.1 solute carrier family 43 member 3-like
XP_002719093.1 solute carrier family 43, member 2
XP_002660627.2 solute carrier family 44, member 1a
XP_696586.3 solute carrier family 44, member 2 isoform X3
XP_004070227.1 solute carrier family 45 member 3-like
XP_685926.4 solute carrier family 45 member 4
XP_002665500.2 solute carrier family 45 member 4-like
XP_003446925.1 solute carrier family 46 member 3-like
XP_003445131.1 solute carrier organic anion transporter family member 1C1-like
XP_004067801.1 solute carrier organic anion transporter family member 2A1-like
XP_003440655.1 solute carrier organic anion transporter family member 3A1-like
XP_696263.2 solute carrier organic anion transporter family member 4A1
XP_004070642.1 solute carrier organic anion transporter family member 4A1-like
XP_003443615.1 solute carrier organic anion transporter family member 5A1
XP_684701.3 solute carrier organic anion transporter family member 5A1-like
XP_696666.1 somatostatin receptor type 1
XP_685832.2 somatostatin receptor type 1-like
XP_002665650.1 somatostatin receptor type 2-like
XP_695365.1 somatostatin receptor type 3
XP_003201684.1 somatostatin receptor type 3-like
XP_003444846.1 somatostatin-2-like
XP_003459828.1 son of sevenless homolog 1
XP_004087020.1 son of sevenless homolog 1-like, partial
XP_003443018.1 son of sevenless homolog 2
XP_690171.2 son of sevenless homolog 2 isoform X2
XP_003962411.1 son of sevenless homolog 2-like
XP_001342461.3 sorbin and SH3 domain-containing protein 1
XP_003441275.1 sorbin and SH3 domain-containing protein 1-like
XP_691857.4 sorbin and SH3 domain-containing protein 2
XP_004066064.1 sorbin and SH3 domain-containing protein 2-like
XP_003444972.1 sortilin-like
XP_003200086.1 sortilin-related receptor
XP_003200556.1 sorting nexin-13
XP_003457322.1 sorting nexin-13-like
XP_003453278.1 sorting nexin-14-like

XP_004080983.1 sorting nexin-16-like
XP_003431000.1 sorting nexin-16-like isoform 2
XP_003451065.1 sorting nexin-18-like
XP_697433.4 sorting nexin-19
XP_001922916.1 sorting nexin-20-like isoformX1
XP_003452532.1 sorting nexin-27-like
XP_693885.3 sorting nexin-29-like
XP_685760.1 sorting nexin-32-like isoform X2
XP_003967648.1 sorting nexin-33-like
XP_004083523.1 sorting nexin-3-like
XP_003449805.1 sorting nexin-4-like
XP_003441067.1 sorting nexin-5-like
XP_003442224.1 sorting nexin-8-like
XP_003341337.1 SOSS complex subunit B2-like isoform 2
XP_003441262.1 SPARC-related modular calcium-binding protein 2-like
XP_003199800.1 SPARC-related modular calcium-binding protein 2-like, partial
XP_003450225.1 spartin
XP_004075344.1 spartin-like
XP_003984396.1 spastin
XP_003209656.1 spatacsin-like
XP_003438845.1 specifically androgen-regulated gene protein-like
XP_003131607.2 speckle-type POZ protein-like
XP_003439506.1 spectrin alpha chain, brain isoform 1
XP_003216203.1 spectrin beta chain, brain 1-like
XP_003456438.1 spectrin beta chain, brain 3
XP_698075.3 spectrin beta chain, brain 4-like
XP_002199683.1 spectrin beta chain, non-erythrocytic 1 isoform 1
XP_004075542.1 spectrin beta chain, non-erythrocytic 1-like
XP_001342754.3 spectrin beta chain, non-erythrocytic 4-like
XP_003451152.1 sperm flagellar protein 2-like
XP_003452174.1 sperm-associated antigen 1
XP_003201529.1 sperm-associated antigen 16 protein-like, partial
XP_003791268.1 sperm-associated antigen 7
XP_707047.3 spermatid perinuclear RNA-binding protein isoformX2
XP_003444466.1 spermatid perinuclear RNA-binding protein-like
XP_696845.3 spermatogenesis-associated protein 13
XP_003925161.1 spermatogenesis-associated protein 16
XP_001920588.3 spermatogenesis-associated protein 20
XP_003443468.1 spermatogenesis-associated protein 5-like
XP_003969878.1 spermatogenesis-associated protein 5-like protein 1-like
XP_002663242.2 spermatogenesis-associated protein 5-like, partial
XP_003200342.1 spermatogenesis-associated protein 7
XP_003439141.1 spermatogenesis-associated serine-rich protein 2-like
XP_002720296.1 spermidine/spermine N1-acetyl transferase-like 1-like
XP_003452288.1 spermine oxidase-like
XP_003451644.1 sperm-specific antigen 2-like
XP_003456709.1 sphingolipid delta(4)-desaturase DES1-like
XP_001338369.2 sphingomyelin phosphodiesterase 2-like
XP_003439603.1 sphingomyelin phosphodiesterase 3
XP_003458073.1 sphingomyelin phosphodiesterase 4-like
XP_683907.1 sphingomyelin phosphodiesterase isoform 1
XP_004076363.1 sphingomyelin phosphodiesterase-like
XP_003441866.1 sphingomyelin synthase-related protein 1
XP_004080446.1 sphingomyelin synthase-related protein 1-like
XP_002665884.1 sphingosine 1-phosphate receptor 3-like
XP_003964575.1 sphingosine kinase 1-like
XP_003454075.1 sphingosine kinase 2-like
XP_001343219.1 sphingosine-1-phosphate phosphatase 1
XP_684347.1 sphingosine-1-phosphate phosphatase 1-like
XP_002664750.1 sphingosine-1-phosphate phosphatase 2-like
XP_004081674.1 spindle and kinetochore-associated protein 3-like
XP_003451368.1 spindlin-1-like
XP_001339043.4 spindlin-W-like, partial
XP_001331783.2 spindlin-Z-like
XP_003789329.1 spliceosome RNA helicase Ddx39b
XP_003508559.1 spliceosome RNA helicase Ddx39b-like
XP_003455272.1 splicing factor 3A subunit 3-like
XP_684311.1 splicing factor 3B subunit 1 isoformX1
XP_002667683.2 splicing factor 3B subunit 3-like
XP_003976685.1 splicing factor 3B subunit 3-like, partial
XP_004077108.1 splicing factor 3B subunit 5-like
XP_003455748.1 splicing factor 45-like
XP_003973002.1 splicing factor 45-like isoform 1
XP_003973003.1 splicing factor 45-like isoform 2
XP_003450720.1 splicing factor U2AF 65 kDa subunit-like isoform 2
XP_003450231.1 splicing factor, arginine/serine-rich 15-like
XP_001377928.2 spondin-1
XP_003439624.1 spondin-1-like
XP_003459179.1 sprouty-related, EVH1 domain-containing protein 1-like

XP_686737.2 sprouty-related, EVH1 domain-containing protein 2-like
XP_004083927.1 sprT-like domain-containing protein Spartan-like
XP_003973187.1 SPRY domain-containing protein 3-like
XP_003451596.1 SPRY domain-containing protein 7-like
XP_003453558.1 squalene monooxygenase
XP_003449965.1 squalene synthase-like
XP_003451770.1 squamous cell carcinoma antigen recognized by T-cells 3-like
XP_690936.5 SRC kinase signaling inhibitor 1
XP_003442218.1 SRC kinase signaling inhibitor 1-like
XP_001364463.2 src substrate cortactin-like
XP_004070732.1 SRSF protein kinase 1-like
XP_694973.5 SRSF protein kinase 2 isoform X2
XP_003967668.1 SRSF protein kinase 2-like
XP_003447749.1 stabilin-1
XP_003445562.1 STAGA complex 65 subunit gamma-like
XP_003444519.1 STAM-binding protein-like A-like
XP_003200948.1 stanniocalcin-2-like
XP_004008325.1 staphylococcal nuclease domain-containing protein 1
XP_001508995.2 staphylococcal nuclease domain-containing protein 1-like
XP_683100.4 stAR-related lipid transfer protein 13
XP_001340114.1 stAR-related lipid transfer protein 13 isoform X1
XP_692994.3 stAR-related lipid transfer protein 7, mitochondrial
XP_001921905.3 stAR-related lipid transfer protein 9-like
XP_004083863.1 stathmin-4-like
XP_003447444.1 STE20/SPS1-related proline-alanine-rich protein kinase-like
XP_003218560.1 STE20-like serine/threonine-protein kinase-like
XP_003439160.1 sterile alpha motif domain-containing protein 10-like
XP_004070716.1 sterile alpha motif domain-containing protein 11-like
XP_003452627.1 sterile alpha motif domain-containing protein 13-like
XP_003199616.1 sterile alpha motif domain-containing protein 14-like
XP_004083375.1 sterile alpha motif domain-containing protein 15-like
XP_002665787.1 sterile alpha motif domain-containing protein 5-like
XP_003200355.1 sterile alpha motif domain-containing protein 5-like, partial
XP_003447645.1 sterile alpha motif domain-containing protein 9
XP_003982796.1 sterile alpha motif domain-containing protein 9-like
XP_001919231.2 steroid 21-hydroxylase-like
XP_003455657.1 steroid hormone receptor ERR2-like
XP_002664090.2 steroidogenic acute regulatory protein, mitochondrial-like
XP_002663445.1 sterol 26-hydroxylase, mitochondrial isoform 1
XP_003446618.1 sterol 26-hydroxylase, mitochondrial-like
XP_004071741.1 sterol regulatory element-binding protein 1-like
XP_003443153.1 sterol regulatory element-binding protein 2-like
XP_686585.3 sterol regulatory element-binding protein cleavage-activating protein-like isoform X2
XP_003454777.1 steryl-sulfatase
XP_003771690.1 stimulated by retinoic acid gene 8 protein homolog
XP_003441195.1 stonin-1-like
XP_002665164.1 stonustoxin subunit alpha-like
XP_001922696.1 stonustoxin subunit beta
XP_001919441.3 storkhead-box protein 2-like
XP_003829266.1 stress-70 protein, mitochondrial
XP_003977088.1 stress-70 protein, mitochondrial-like
XP_002923501.1 stress-associated endoplasmic reticulum protein 1-like, partial
XP_003798809.1 stress-induced-phosphoprotein 1
XP_003450486.1 stress-induced-phosphoprotein 1-like
XP_004081554.1 striated muscle preferentially expressed protein kinase-like
XP_003443365.1 striated muscle-specific serine/threonine-protein kinase-like
XP_003408749.1 striatin-3-like isoform 2
XP_691246.3 striatin-4 isoform X2
XP_004075452.1 striatin-4-like
XP_684274.5 striatin-interacting protein 1 homolog isoform X2
XP_003215982.1 striatin-like
XP_003456535.1 striatin-like isoform 2
XP_003455987.1 stromal interaction molecule 1-like
XP_004076813.1 stromal interaction molecule 1-like, partial
XP_692356.4 stromal interaction molecule 2
XP_003449420.1 stromal interaction molecule 2-like
XP_003969104.1 stromal membrane-associated protein 2-like
XP_694153.3 stromelysin-3
XP_003205031.1 structural maintenance of chromosomes flexible hinge domain-containing protein 1-like
XP_004070486.1 structural maintenance of chromosomes protein 1A
XP_002666865.1 structural maintenance of chromosomes protein 1B-like
XP_001334257.1 structural maintenance of chromosomes protein 1B-like isoform 1
XP_004050151.1 structural maintenance of chromosomes protein 3
XP_003450008.1 structural maintenance of chromosomes protein 3-like
XP_003582585.1 structural maintenance of chromosomes protein 5-like
XP_003448190.1 structural maintenance of chromosomes protein 5-like isoform 2
XP_001337776.2 structural maintenance of chromosomes protein 6
XP_003443032.1 structural maintenance of chromosomes protein 6-like
XP_001337124.1 structure-specific endonuclease subunit slx1-like

XP_003201141.1 structure-specific endonuclease subunit SLX4
 XP_003201146.1 structure-specific endonuclease subunit SLX4-like
 XP_001515779.2 substance-K receptor-like
 XP_692469.2 substance-P receptor-like
 XP_004075670.1 succinate receptor 1-like
 XP_004065918.1 succinyl-CoA ligase
 XP_003793005.1 succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
 XP_002666665.2 sucrose-isomaltase, intestinal-like, partial
 XP_002667251.2 sugar phosphate exchanger 3 isoform X1
 XP_003450762.1 sugar phosphate exchanger 3-like
 XP_685114.1 sulfate transporter isoform X2
 XP_004073725.1 sulfate transporter-like
 XP_004068424.1 sulfhydryl oxidase 1-like
 XP_003443909.1 sulfide:quinone oxidoreductase, mitochondrial
 XP_002663173.1 sulfiredoxin-1
 XP_003973183.1 sulfite oxidase, mitochondrial-like
 XP_003961322.1 sulfotransferase 1C1-like
 XP_003449804.1 sulfotransferase 4A1-like
 XP_003443727.1 sulfotransferase family cytosolic 2B member 1-like
 XP_003795548.1 SUN domain-containing protein 1
 XP_001919691.1 SUN domain-containing protein 2-like
 XP_001513852.2 superkiller viralicidic activity 2-like 2
 XP_002941157.1 superkiller viralicidic activity 2-like 2 isoform X1
 XP_003449988.1 superoxide dismutase
 XP_001923817.3 supervillin
 XP_003222090.1 supervillin-like
 XP_003201384.1 suppression of tumorigenicity 18 protein, partial
 XP_003975328.1 suppression of tumorigenicity 18 protein-like
 XP_001513458.2 suppression of tumorigenicity 5 protein, partial
 XP_004067061.1 suppression of tumorigenicity 5 protein-like
 XP_004082949.1 suppressor APC domain-containing protein 1-like
 XP_003448796.1 suppressor of cytokine signaling 2-like
 XP_003440161.1 suppressor of cytokine signaling 5-like
 XP_687041.2 suppressor of cytokine signaling 6-like
 XP_003199509.1 suppressor of cytokine signaling 7-like isoform X1
 XP_003453340.1 suppressor of G2 allele of SKP1 homolog
 XP_003963034.1 suppressor of IKBKE 1-like
 XP_685356.5 suppressor of tumorigenicity 14 protein homolog
 XP_002666698.2 suppressor of tumorigenicity 14 protein-like
 XP_003201303.1 suppressor protein SRP40-like
 XP_003965517.1 surfeit locus protein 2-like
 XP_002199219.1 surfeit locus protein 4
 XP_003420497.1 surfeit locus protein 4-like
 XP_003499143.1 SURP and G-patch domain-containing protein 1-like
 XP_003453945.1 sushi domain-containing protein 2-like
 XP_688793.1 sushi domain-containing protein 4-like
 XP_002664481.2 sushi repeat-containing protein SRPX2-like
 XP_700224.3 sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1-like
 XP_003976891.1 sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1-like, partial
 XP_003450345.1 SWI/SNF complex subunit SMARCC1
 XP_003200294.1 SWI/SNF complex subunit SMARCC1 isoform X1
 XP_003965875.1 SWI/SNF complex subunit SMARCC1-like
 XP_003973211.1 SWI/SNF complex subunit SMARCC2-like
 XP_002720328.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a1-like isoform 3
 XP_004081926.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1-like
 XP_003456141.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1 isoform 1
 XP_001111166.2 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1-like isoform 6
 XP_692749.2 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 2
 XP_850327.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3 isoform 3
 XP_003438419.1 swi5-dependent recombination DNA repair protein 1 homolog
 XP_002916209.1 switch-associated protein 70-like
 XP_699475.5 symplekin isoform X2
 XP_003459175.1 synapse differentiation-inducing gene protein 1-like
 XP_002194130.1 synapse-associated protein 1
 XP_003431130.1 synapse-associated protein 1-like
 XP_003439033.1 synapsin-2-like isoform 1
 XP_003445150.1 synapsin-3-like
 XP_003640435.1 synapsin-3-like isoform X1
 XP_003451772.1 synaptic vesicle 2-related protein
 XP_696434.2 synaptic vesicle glycoprotein 2A-like isoformX2
 XP_002666838.1 synaptic vesicle glycoprotein 2B
 XP_003201451.1 synaptic vesicle glycoprotein 2B-like
 XP_003455178.1 synaptic vesicle glycoprotein 2C-like
 XP_003442189.1 synaptic vesicle membrane protein VAT-1 homolog
 XP_003227107.1 synaptic vesicle membrane protein VAT-1 homolog-like
 XP_001494594.2 synaptic vesicular amine transporter
 XP_003978712.1 synaptogyrin-1-like
 XP_004066122.1 synaptogyrin-1-like isoform 2
 XP_003199582.1 synaptogyrin-2-like

XP_003971391.1 synaptojanin-1-like
 XP_694355.3 synaptonemal complex central element protein 1-like isoform X2
 XP_001923196.2 synaptonemal complex protein 2-like-like isoform X1
 XP_004074309.1 synaptonemal complex protein 3-like
 XP_003962956.1 synaptophysin-like
 XP_692299.2 synaptopodin 2-like a
 XP_001341280.2 synaptopodin 2-like b
 XP_003197704.1 synaptopodin-2, partial
 XP_003217541.1 synaptopodin-like
 XP_686583.4 synaptoporin-like isoform X2
 XP_003438140.1 synaptosomal-associated protein 47-like
 XP_698786.1 synaptotagmin-1
 XP_003452113.1 synaptotagmin-10-like
 XP_003447614.1 synaptotagmin-12-like
 XP_693124.4 synaptotagmin-14-like
 XP_001338475.1 synaptotagmin-15-like isoform X1
 XP_003199790.1 synaptotagmin-16
 XP_003452067.1 synaptotagmin-1-like
 XP_688092.3 synaptotagmin-2-like isoform X4
 XP_001343313.2 synaptotagmin-5
 XP_001920463.1 synaptotagmin-6
 XP_691385.2 synaptotagmin-6-like
 XP_003977853.1 synaptotagmin-6-like, partial
 XP_689926.5 synaptotagmin-7-like
 XP_001336058.4 synaptotagmin-9
 XP_004070175.1 synaptotagmin-9-like
 XP_004071276.1 synaptotagmin-C-like
 XP_002664653.2 synaptotagmin-like protein 2-like
 XP_003445332.1 synaptotagmin-like protein 4-like
 XP_003447876.1 syncoilin-like
 XP_419972.2 syndecan-1
 XP_003967359.1 synembryn-B-like
 XP_003440648.1 synemin-like
 XP_003200075.1 synergin gamma
 XP_003440319.1 synergin gamma-like
 XP_004071001.1 syntaphilin-like
 XP_003454130.1 syntaxin-10-like
 XP_001922254.1 syntaxin-10-like isoform X1
 XP_003449928.1 syntaxin-11-like
 XP_697581.4 syntaxin-12-like
 XP_691316.2 syntaxin-16 isoformX2
 XP_698933.3 syntaxin-19-like
 XP_003968454.1 syntaxin-1A-like
 XP_003442487.1 syntaxin-1B-like
 XP_003199177.1 syntaxin-2-like isoform X1
 XP_004051325.1 syntaxin-3
 XP_003977388.1 syntaxin-3-like
 XP_001367080.1 syntaxin-5-like
 XP_004067601.1 syntaxin-6-like
 XP_004075137.1 syntaxin-binding protein 1-like
 XP_003442007.1 syntaxin-binding protein 2
 XP_004071668.1 syntaxin-binding protein 2-like
 XP_003459002.1 syntaxin-binding protein 3
 XP_004068096.1 syntaxin-binding protein 3-like isoform 1
 XP_003224323.1 syntaxin-binding protein 4-like
 XP_004011451.1 syntaxin-binding protein 5 isoform 2
 XP_700662.5 syntaxin-binding protein 5 isoform X4
 XP_003641042.1 syntaxin-binding protein 5 isoformX1
 XP_003443040.1 syntaxin-binding protein 5-like
 XP_002753740.2 syntaxin-binding protein 6
 XP_003442989.1 syntaxin-binding protein 6-like
 XP_002710504.1 syntrophin, gamma 1
 XP_003458441.1 TAF6-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 6L-like
 XP_003439546.1 talin-1-like
 XP_003440476.1 talin-2-like
 XP_003445469.1 tandem C2 domains nuclear protein-like
 XP_003460074.1 TANK-binding kinase 1-binding protein 1-like
 XP_687410.2 tankyrase-1
 XP_002939302.1 tankyrase-1 isoform X1
 XP_003444474.1 tankyrase-1-like
 XP_003922450.1 tankyrase-2
 XP_003449482.1 tankyrase-2-like
 XP_001919985.1 tapasin-related protein-like
 XP_003965174.1 taperin-like
 XP_003444847.1 TAR DNA-binding protein 43-like
 XP_003364338.1 target of Myb protein 1
 XP_003443224.1 target of Myb protein 1-like
 XP_003458012.1 target of Nesh-SH3-like
 XP_004075099.1 target of rapamycin complex 2 subunit MAPKAP1-like

XP_003198622.1 target of rapamycin complex 2 subunit MAPKAP1-like isoform 1
 XP_003198623.1 target of rapamycin complex 2 subunit MAPKAP1-like isoform 2
 XP_003438767.1 target of rapamycin complex subunit lst8-like
 XP_003201259.1 targeting protein for Xklp2-B-like
 XP_003973507.1 TATA element modulatory factor-like
 XP_003458038.1 TATA-binding protein-associated factor 172
 XP_003584129.1 TATA-binding protein-associated factor 172-like
 XP_003979017.1 TATA-binding protein-associated factor 172-like, partial
 XP_002663847.2 tau-tubulin kinase 1-like
 XP_698389.2 tau-tubulin kinase 2
 XP_002665285.2 tau-tubulin kinase 2-like
 XP_003200621.1 tax1-binding protein 1 homolog A-like
 XP_003969098.1 tax1-binding protein 1 homolog B-like
 XP_003452277.1 TBC domain-containing protein kinase-like protein-like
 XP_003972438.1 TBC domain-containing protein kinase-like protein-like isoform 1
 XP_003452217.1 TBC1 domain family member 1
 XP_691101.1 TBC1 domain family member 10A isoform X2
 XP_003444422.1 TBC1 domain family member 10A-like
 XP_692080.2 TBC1 domain family member 12
 XP_003455712.1 TBC1 domain family member 12-like
 XP_002663958.1 TBC1 domain family member 12-like isoform X1
 XP_003440169.1 TBC1 domain family member 13
 XP_003356897.2 TBC1 domain family member 14
 XP_683181.1 TBC1 domain family member 14 isoformX1
 XP_003979461.1 TBC1 domain family member 14-like, partial
 XP_003200122.1 TBC1 domain family member 15-like
 XP_003456388.1 TBC1 domain family member 16
 XP_004071273.1 TBC1 domain family member 17-like
 XP_003449386.1 TBC1 domain family member 19
 XP_004079944.1 TBC1 domain family member 19-like
 XP_004068754.1 TBC1 domain family member 20-like
 XP_003445118.1 TBC1 domain family member 22A
 XP_003457909.1 TBC1 domain family member 22B
 XP_003404261.1 TBC1 domain family member 22B-like
 XP_003201409.1 TBC1 domain family member 24-like
 XP_689604.5 TBC1 domain family member 2A-like
 XP_002666912.2 TBC1 domain family member 2B isoform X1
 XP_003440351.1 TBC1 domain family member 2B-like
 XP_003772390.1 TBC1 domain family member 30
 XP_003221307.1 TBC1 domain family member 30-like
 XP_003451626.1 TBC1 domain family member 4-like
 XP_003448947.1 TBC1 domain family member 5
 XP_004073884.1 TBC1 domain family member 5-like
 XP_004068174.1 TBC1 domain family member 7-like
 XP_003456191.1 TBC1 domain family member 8B
 XP_003208530.1 TBC1 domain family member 8B-like, partial
 XP_003454966.1 TBC1 domain family member 8-like
 XP_003452259.1 TBC1 domain family member 9
 XP_001377542.2 TBC1 domain family member 9 isoform 1
 XP_692034.2 TBC1 domain family member 9 isoform 2
 XP_003804959.1 TBC1 domain family member 9B
 XP_002667253.2 TBC1 domain family member 9B, partial
 XP_003458714.1 TBC1 domain family member 9B-like
 XP_003972458.1 TBC1 domain family member 9-like isoform 1
 XP_003961983.1 T-box brain protein 1-like
 XP_003440859.1 T-box transcription factor TBX18-like
 XP_003198807.1 T-box transcription factor TBX19-like
 XP_002664547.2 t-box transcription factor TBX1-A-like
 XP_003448629.1 T-box transcription factor TBX1-like isoform 2
 XP_003450305.1 T-box transcription factor TBX20-like
 XP_003977836.1 T-box transcription factor TBX2b-like
 XP_003965558.1 T-box transcription factor TBX3-like isoform 1
 XP_003965559.1 T-box transcription factor TBX3-like isoform 2
 XP_003965557.1 T-box transcription factor TBX5-A-like
 XP_003441757.1 TCDD-inducible poly
 XP_687670.2 T-cell activation inhibitor, mitochondrial-like
 XP_004020367.1 T-cell leukemia homeobox protein 1
 XP_003456734.1 T-cell leukemia homeobox protein 1-like
 XP_003446499.1 T-cell receptor beta chain T17T-22-like
 XP_003449958.1 T-complex protein 1 subunit alpha-like
 XP_004029345.1 T-complex protein 1 subunit delta
 XP_003454176.1 T-complex protein 1 subunit delta-like
 XP_004076436.1 T-complex protein 1 subunit theta-like
 XP_003447023.1 T-complex protein 1 subunit zeta isoform 2
 XP_003214758.1 t-complex protein 11-like protein 1-like
 XP_002667399.2 t-complex-associated testis-expressed protein 1-like
 XP_003444240.1 teashirt homolog 1-like
 XP_002666569.2 teashirt homolog 2-like
 XP_686844.3 teashirt homolog 3

XP_003437573.1 teashirt homolog 3-like
XP_004073715.1 tectonic-1-like
XP_003458777.1 tectonic-3-like
XP_003438614.1 tectonin beta-propeller repeat-containing protein 1-like
XP_701169.2 tektin-3
XP_698602.3 TEL2-interacting protein 1 homolog
XP_684103.1 telethonin
XP_001923715.1 telethonin-like isoform X1
XP_002663251.1 TELO2-interacting protein 2-like
XP_003457701.1 telomerase Cajal body protein 1-like
XP_004078741.1 telomerase protein component 1-like
XP_003457590.1 telomerase-binding protein EST1A-like
XP_002663657.2 telomerase-binding protein EST1A-like isoform X1
XP_003961486.1 telomere length regulation protein TEL2 homolog
XP_003961749.1 telomere-associated protein RIF1-like
XP_003339624.1 tenascin isoform 2
XP_003200212.1 tenascin-like
XP_003437967.1 tenascin-R-like
XP_003459083.1 tenascin-X-like
XP_691552.5 teneurin-1
XP_003931153.1 teneurin-1 isoform 1
XP_003774790.1 teneurin-1 isoform 3
XP_003445955.1 teneurin-1-like
XP_002197115.1 teneurin-1-like isoform 2
XP_003473231.1 teneurin-2
XP_697293.5 teneurin-2 isoform X2
XP_004073474.1 teneurin-2-like isoform 3
XP_695894.5 teneurin-3-like
XP_004065608.1 teneurin-3-like isoform 2
XP_003450204.1 teneurin-4-like isoform 1
XP_003450205.1 teneurin-4-like isoform 2
XP_003453241.1 tensin-1-like
XP_700076.5 tensin-3
XP_003457345.1 tensin-3-like
XP_003977701.1 tensin-3-like, partial
XP_003966709.1 tensin-like
XP_001921043.1 tensin-like C1 domain-containing phosphatase-like
XP_002666574.2 terminal uridylyltransferase 4
XP_004068280.1 terminal uridylyltransferase 4-like
XP_001335519.3 terminal uridylyltransferase 4-like, partial
XP_002664311.2 testican-1-like
XP_002664230.1 testican-2 isoform X1
XP_003441952.1 testican-2-like
XP_004077159.1 testican-2-like isoform 1
XP_692960.1 testis development-related protein
XP_001922572.2 testis-expressed sequence 11 protein-like
XP_003200088.1 testis-expressed sequence 12 protein-like
XP_003456385.1 testis-expressed sequence 2 protein
XP_001343960.2 testis-expressed sequence 2 protein-like
XP_001335278.2 testis-expressed sequence 264 protein-like
XP_694825.1 testis-expressed sequence 36 protein-like
XP_686620.4 tetraspan membrane protein of hair cell stereocilia homolog
XP_003963249.1 tetraspan membrane protein of hair cell stereocilia homolog, partial
XP_003448856.1 tetraspanin-12-like
XP_003459855.1 tetraspanin-13-like
XP_003969528.1 tetraspanin-15-like
XP_003967721.1 tetraspanin-18-like
XP_002931890.1 tetraspanin-33 isoform X1
XP_003452575.1 tetraspanin-33-like
XP_003512560.1 tetraspanin-5-like
XP_001117993.2 tetraspanin-9
XP_682923.2 tetraspanin-9 isoform X2
XP_003496070.1 tetraspanin-9-like
XP_003456665.1 tetratricopeptide repeat protein 13
XP_003450825.1 tetratricopeptide repeat protein 17
XP_004066981.1 tetratricopeptide repeat protein 17-like
XP_003978306.1 tetratricopeptide repeat protein 1-like
XP_001341564.3 tetratricopeptide repeat protein 21A
XP_003447380.1 tetratricopeptide repeat protein 21B
XP_002666776.1 tetratricopeptide repeat protein 21B-like
XP_002662507.1 tetratricopeptide repeat protein 22 isoform X1
XP_003457624.1 tetratricopeptide repeat protein 24-like
XP_003198130.1 tetratricopeptide repeat protein 25-like
XP_787826.3 tetratricopeptide repeat protein 27-like
XP_002667710.2 tetratricopeptide repeat protein 28
XP_003453053.1 tetratricopeptide repeat protein 28-like
XP_003211044.1 tetratricopeptide repeat protein 28-like, partial
XP_001340274.3 tetratricopeptide repeat protein 29
XP_003442525.1 tetratricopeptide repeat protein 30A-like

XP_685049.4 tetratricopeptide repeat protein 34-like
 XP_003453517.1 tetratricopeptide repeat protein 35-like
 XP_003447111.1 tetratricopeptide repeat protein 38-like
 XP_002663143.1 tetratricopeptide repeat protein 39A isoform X1
 XP_003974232.1 tetratricopeptide repeat protein 39A-like
 XP_003454695.1 tetratricopeptide repeat protein 39B-like
 XP_003914293.1 tetratricopeptide repeat protein 39C
 XP_003219715.1 tetratricopeptide repeat protein 39C-like
 XP_004068062.1 tetratricopeptide repeat protein 4-like
 XP_001921229.3 tetratricopeptide repeat protein 7A
 XP_004011149.1 tetratricopeptide repeat protein 7B, partial
 XP_003962681.1 tetratricopeptide repeat protein 8-like
 XP_003453109.1 tetratricopeptide repeat protein 8-like isoform 1
 XP_003453110.1 tetratricopeptide repeat protein 8-like isoform 2
 XP_689195.1 tetratricopeptide repeat protein 9A
 XP_001488557.2 TFIIH basal transcription factor complex helicase XPB subunit-like
 XP_003445776.1 TFIIH basal transcription factor complex helicase XPB subunit-like isoform 2
 XP_003456443.1 TFIIH basal transcription factor complex helicase XPD subunit-like
 XP_001365448.2 TGF-beta receptor type-1-like
 XP_003453926.1 TGF-beta receptor type-2-like
 XP_002198358.1 TGF-beta-activated kinase 1 and MAP3K7-binding protein 1
 XP_003459396.1 TGF-beta-activated kinase 1 and MAP3K7-binding protein 1-like
 XP_003224739.1 TGF-beta-activated kinase 1 and MAP3K7-binding protein 2-like
 XP_004067902.1 TGF-beta-activated kinase 1 and MAP3K7-binding protein 3-like
 XP_002666743.2 THAP domain-containing protein 4 isoform X1
 XP_004081038.1 thiamin pyrophosphokinase 1-like isoform 1
 XP_003454780.1 thiamine transporter 1-like
 XP_686091.3 thiamine transporter 2-like
 XP_001923054.2 thiamine-triphosphatase isoform 2
 XP_003449663.1 thimet oligopeptidase
 XP_003451337.1 thimet oligopeptidase-like
 XP_003450927.1 thioesterase superfamily member 4-like
 XP_002660719.1 thioredoxin domain-containing protein 11-like
 XP_685017.3 thioredoxin domain-containing protein 16-like
 XP_003447477.1 thioredoxin domain-containing protein 3 homolog
 XP_003443576.1 thioredoxin domain-containing protein 5-like
 XP_003448658.1 thioredoxin reductase 2, mitochondrial-like
 XP_004071882.1 thioredoxin, mitochondrial-like
 XP_002736237.1 thioredoxin-like 1-like
 XP_003440108.1 thioredoxin-like protein 1-like
 XP_003458541.1 thioredoxin-like protein 4A-like
 XP_003972129.1 thioredoxin-related transmembrane protein 2-B-like
 XP_001340407.1 thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 1-like isoform X1
 XP_003443473.1 thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 2-like
 XP_003208500.1 THO complex subunit 2-like
 XP_004018668.1 THO complex subunit 7 homolog
 XP_688162.3 thread biopolymer filament subunit alpha isoform 1
 XP_003964290.1 threonine aspartase 1-like
 XP_003439211.1 threonine synthase-like 1-like
 XP_003440204.1 threonine synthase-like 2-like
 XP_002664809.2 threonine--tRNA ligase, cytoplasmic-like, partial
 XP_003966068.1 threonylcarbamoyladenine tRNA methyltransferase-like
 XP_003451036.1 threonyl-tRNA synthetase, cytoplasmic-like
 XP_003455345.1 threonyl-tRNA synthetase, cytoplasmic-like isoform 1
 XP_001337990.3 thrombospondin type-1 domain-containing protein 1-like
 XP_001377479.2 thrombospondin type-1 domain-containing protein 4
 XP_002664811.2 thrombospondin type-1 domain-containing protein 4-like
 XP_003207152.1 thrombospondin type-1 domain-containing protein 7A-like
 XP_001341484.4 thrombospondin type-1 domain-containing protein 7A-like, partial
 XP_003445449.1 thrombospondin type-1 domain-containing protein 7B
 XP_002663854.2 thrombospondin type-1 domain-containing protein 7B-like
 XP_690395.4 thrombospondin-1 isoform X2
 XP_694690.5 thrombospondin-2
 XP_002663752.2 thrombospondin-4
 XP_003451568.1 thrombospondin-4-B-like
 XP_003198711.1 thrombospondin-4-B-like, partial
 XP_682770.2 thrombospondin-type laminin G domain and EAR repeat-containing protein
 XP_698991.2 thrombospondin-type laminin G domain and EAR repeat-containing protein-like
 XP_003447172.1 thromboxane-A synthase-like
 XP_002711878.1 THUMP domain containing 1-like
 XP_003457805.1 THUMP domain-containing protein 1-like
 XP_691263.4 THUMP domain-containing protein 2
 XP_003441327.1 THUMP domain-containing protein 3-like
 XP_695354.2 thy-1 membrane glycoprotein-like isoform X2
 XP_001921462.3 thymic stromal cotransporter homolog
 XP_001513558.2 thymocyte selection-associated high mobility group box protein TOX
 XP_002664605.2 thymus-specific serine protease-like
 XP_694292.4 thyroglobulin
 XP_003199748.1 thyroid adenoma-associated protein homolog

XP_690130.4 thyroid adenoma-associated protein homolog isoform X2
XP_001921013.3 thyroid hormone receptor alpha
XP_003455291.1 thyroid hormone receptor beta-like
XP_699026.4 thyroid hormone receptor-associated protein 3
XP_001381383.2 thyroid peroxidase
XP_003200347.1 thyroid peroxidase-like
XP_697836.5 thyroid peroxidase-like, partial
XP_003445467.1 thyroid receptor-interacting protein 11
XP_002938958.1 thyrotropin-releasing hormone receptor
XP_690889.2 thyrotropin-releasing hormone-degrading ectoenzyme
XP_003457795.1 thyrotropin-releasing hormone-degrading ectoenzyme-like
XP_002711747.1 tigger transposable element derived 6-like
XP_003996173.1 tigger transposable element-derived protein 1-like
XP_004055929.1 tight junction protein ZO-1
XP_003201509.1 tight junction protein ZO-1-like
XP_003440260.1 tight junction protein ZO-2
XP_004075127.1 tight junction protein ZO-2-like
XP_003439742.1 tight junction protein ZO-3-like
XP_001921685.3 tight junction-associated protein 1-like
XP_003970797.1 TIP41-like protein-like
XP_003457300.1 tissue factor pathway inhibitor 2-like
XP_002666918.1 tissue factor pathway inhibitor-like
XP_002663097.1 tissue-type plasminogen activator
XP_003458433.1 titin
XP_004084372.1 titin-like
XP_003440322.1 TLC domain-containing protein 1-like
XP_003439432.1 TLD domain-containing protein KIAA1609 homolog
XP_003969101.1 TLR4 interactor with leucine rich repeats-like
XP_002664748.2 t-lymphoma invasion and metastasis-inducing protein 1-like
XP_003446264.1 T-lymphoma invasion and metastasis-inducing protein 2
XP_003215845.1 t-lymphoma invasion and metastasis-inducing protein 2-like
XP_413775.3 TM2 domain-containing protein 3 isoformX2
XP_003965177.1 Tmc2-related protein 2
XP_003977688.1 Tmc4 protein
XP_003972119.1 Tmc6-related protein 1
XP_001924047.2 TNF receptor-associated factor 2 isoform X1
XP_003440320.1 TNF receptor-associated factor 4
XP_692341.5 TNF receptor-associated factor 5, partial
XP_001344126.2 TNFAIP3-interacting protein 1-like
XP_692717.4 TNFAIP3-interacting protein 2-like
XP_002667158.2 toll/interleukin-1 receptor domain-containing adapter protein
XP_003978697.1 toll-interacting protein-like
XP_003440892.1 toll-like receptor 5-like
XP_003199440.1 toll-like receptor 8b
XP_003929352.1 TOM1-like protein 2 isoform 2
XP_688819.4 TOM1-like protein 2 isoform X5
XP_003210670.1 TOM1-like protein 2-like
XP_003198249.1 TOM1-like protein 2-like isoform X1
XP_003761332.1 TOM1-like protein 2-like, partial
XP_003457224.1 tomoregulin-1-like
XP_003453304.1 tonsoku-like protein-like
XP_002663514.1 torsin family protein C9orf167 homolog
XP_001339602.3 torsin-1A-interacting protein 2
XP_003440075.1 torsin-1A-interacting protein 2-like
XP_003440046.1 torsin-3A-like
XP_003437712.1 TOX high mobility group box family member 3-like
XP_003458812.1 TOX high mobility group box family member 4-like
XP_003977841.1 TP53-regulating kinase-like
XP_003218608.1 TPR repeat-containing protein C10orf93-like
XP_004070254.1 traB domain-containing protein-like
XP_004082088.1 trace amine-associated receptor 8c-like, partial
XP_004080899.1 TRAF2 and NCK-interacting protein kinase-like
XP_003962428.1 traf2 and NCK-interacting protein kinase-like isoform 1
XP_003962429.1 traf2 and NCK-interacting protein kinase-like isoform 2
XP_003199138.1 TRAF3-interacting JNK-activating modulator-like
XP_001921312.1 trafficking kinesin-binding protein 1
XP_001922729.2 trafficking kinesin-binding protein 1 isoform X1
XP_001109634.2 trafficking kinesin-binding protein 1-like
XP_689302.5 trafficking kinesin-binding protein 2 isoform X5
XP_003454937.1 trafficking protein particle complex subunit 10
XP_003977089.1 trafficking protein particle complex subunit 11-like
XP_003774293.1 trafficking protein particle complex subunit 11-like, partial
XP_002927490.1 trafficking protein particle complex subunit 2-like
XP_003765411.1 trafficking protein particle complex subunit 3
XP_003448870.1 trafficking protein particle complex subunit 8
XP_003640860.1 trafficking protein particle complex subunit 8 isoform X1
XP_003223575.1 trafficking protein particle complex subunit 8-like
XP_003443803.1 trafficking protein particle complex subunit 9
XP_003200576.1 trafficking protein particle complex subunit 9 isoform X1

XP_004074434.1 trafficking protein particle complex subunit 9-like
XP_004078320.1 trans-2-enoyl-CoA reductase, mitochondrial-like
XP_003443127.1 transcription activator BRG1-like
XP_003459565.1 transcription cofactor HES-6-like
XP_001919157.1 transcription elongation factor A N-terminal and central domain-containing protein-like
XP_003205096.1 transcription elongation factor A protein 1-like
XP_003442583.1 transcription elongation factor B polypeptide 2-like
XP_002664127.2 transcription elongation factor B polypeptide 3-like
XP_002734446.1 transcription elongation factor Spt5-like
XP_003447990.1 transcription elongation factor, mitochondrial-like
XP_001372444.2 transcription elongation regulator 1-like
XP_003442312.1 transcription factor 12
XP_004067228.1 transcription factor 12-like isoform 2
XP_686736.3 transcription factor 19
XP_689373.2 transcription factor 20-like
XP_004081082.1 transcription factor 24-like isoform 1
XP_003442375.1 transcription factor 25-like
XP_003827285.1 transcription factor 4 isoform 2
XP_003223704.1 transcription factor 4-like
XP_003920631.1 transcription factor 7 isoform 1
XP_004076145.1 transcription factor 7-like 2-like
XP_004080824.1 transcription factor A, mitochondrial-like
XP_003973532.1 transcription factor AP-2 gamma-like isoform 1
XP_004081019.1 transcription factor AP-2-alpha-like isoform 3
XP_003447227.1 transcription factor AP-2-epsilon-like
XP_002667613.2 transcription factor AP-4 isoformX2
XP_003450108.1 transcription factor AP-4-like
XP_693680.3 transcription factor COE1 isoform 5
XP_003199973.1 transcription factor COE1 isoformX2
XP_003199975.1 transcription factor COE1 isoformX4
XP_685990.5 transcription factor COE1-like
XP_003229805.1 transcription factor COE1-like, partial
XP_004072413.1 transcription factor COE2-like isoform 2
XP_003200022.1 transcription factor COE3-like
XP_003447670.1 transcription factor COE3-like isoform 1
XP_003447671.1 transcription factor COE3-like isoform 2
XP_003449465.1 transcription factor COE3-like isoform 3
XP_001336482.1 transcription factor CP2
XP_002800892.1 transcription factor Dp-1-like
XP_003961776.1 transcription factor Dp-1-like isoform 1
XP_003449170.1 transcription factor E2F1-like
XP_003200395.1 transcription factor E2F2-like
XP_003204855.1 transcription factor E2F3-like
XP_003442675.1 transcription factor E3-like isoform 2
XP_003972735.1 transcription factor GATA-3-like isoform 2
XP_003971721.1 transcription factor GATA-4-like
XP_004079469.1 transcription factor GATA-6-like
XP_003963311.1 transcription factor HES-2-like
XP_003212258.1 transcription factor HES-5-like
XP_696438.4 transcription factor HIVEP3-like isoform X3
XP_004084267.1 transcription factor IIIA-like
XP_003455637.1 transcription factor IIIB 90 kDa subunit-like
XP_003443124.1 transcription factor jun-B-like
XP_004066232.1 transcription factor LBX1-like
XP_004070547.1 transcription factor MafB-like
XP_003964907.1 transcription factor MafK-like
XP_003458232.1 transcription factor p65-like
XP_001335593.2 transcription factor RelB homolog
XP_003440410.1 transcription factor RFX4-like
XP_003442723.1 transcription factor SOX-13-like
XP_001337702.1 transcription factor Sox-18
XP_003452949.1 transcription factor Sox-1a-like
XP_003961869.1 transcription factor Sox-21-B-like
XP_003434565.1 transcription factor SOX-30
XP_003210426.1 transcription factor SOX-30-like
XP_003445133.1 transcription factor SOX-5-like
XP_003442344.1 transcription factor SOX-6-like isoform 2
XP_004068725.1 transcription factor Sp1-like
XP_003199497.1 transcription factor Sp2-like
XP_613036.3 transcription factor Sp3
XP_691096.5 transcription factor Sp3-like
XP_004074041.1 transcription factor Sp4-like
XP_004078130.1 transcription factor Sp8-like
XP_004081809.1 transcription factor Sp9-like
XP_004070774.1 transcription factor Spi-B-like
XP_003452094.1 transcription factor Spi-C-like
XP_003443265.1 transcription factor VBP-like
XP_002194569.1 transcription factor-like 5 protein
XP_003440733.1 transcription initiation factor IIA subunit 1-like

XP_004019234.1 transcription initiation factor TFIID subunit 11
XP_004070361.1 transcription initiation factor TFIID subunit 13-like
XP_004076527.1 transcription initiation factor TFIID subunit 1-like
XP_002664849.1 transcription initiation factor TFIID subunit 2 isoform X1
XP_003446211.1 transcription initiation factor TFIID subunit 2-like
XP_692554.4 transcription initiation factor TFIID subunit 4
XP_003502266.1 transcription initiation factor TFIID subunit 4B-like
XP_001920944.2 transcription initiation factor TFIID subunit 4-like
XP_003453833.1 transcription initiation factor TFIID subunit 5
XP_004066289.1 transcription initiation factor TFIID subunit 5-like
XP_004076512.1 transcription initiation factor TFIID subunit 6-like
XP_003459578.1 transcription initiation factor TFIID subunit 9-like
XP_003972979.1 transcription intermediary factor 1-alpha-like
XP_002664967.1 transcription intermediary factor 1-beta
XP_003446936.1 transcription regulator protein BACH1-like
XP_682933.2 transcription regulator protein BACH2 isoform X2
XP_002662223.1 transcription termination factor 1
XP_003198765.1 transcription termination factor 1-like
XP_003456658.1 transcription termination factor 2-like
XP_003452514.1 transcription termination factor, mitochondrial-like
XP_003439191.1 transcriptional activator GLL3-like
XP_003451839.1 transcriptional activator protein Pur-alpha-like
XP_003453374.1 transcriptional adapter 1-like
XP_003912940.1 transcriptional adapter 2-alpha
XP_004069120.1 transcriptional adapter 3-like
XP_003910256.1 transcriptional enhancer factor TEF-1
XP_003442419.1 transcriptional enhancer factor TEF-1-like
XP_004069939.1 transcriptional enhancer factor TEF-3-like
XP_001155706.3 transcriptional enhancer factor TEF-5
XP_003453734.1 transcriptional enhancer factor TEF-5-like
XP_001341061.1 transcriptional regulator ATRX homolog
XP_003970489.1 transcriptional regulator ATRX-like
XP_004003990.1 transcriptional regulator ERG
XP_003219056.1 transcriptional regulator ERG-like
XP_003439415.1 transcriptional repressor NF-X1-like
XP_510162.3 transcriptional repressor protein YY1
XP_003440709.1 transcriptional repressor protein YY1-like
XP_004070917.1 transcriptional repressor scratch 2-like
XP_001511201.2 transducin (beta)-like 1 X-linked receptor 1
XP_001366410.1 transducin (beta)-like 3
XP_003452926.1 transducin beta-like protein 3-like
XP_692471.3 transducin-like enhancer protein 1
XP_003439878.1 transducin-like enhancer protein 1-like
XP_003819415.1 transducin-like enhancer protein 2
XP_003456792.1 transducin-like enhancer protein 3 isoform 1
XP_003456794.1 transducin-like enhancer protein 3 isoform 3
XP_004066927.1 transducin-like enhancer protein 3-like isoform 1
XP_002666703.1 transferrin receptor protein 1-like
XP_003460204.1 transferrin receptor protein 2-like
XP_001919276.3 transformation/transcription domain-associated protein
XP_001514404.2 transformer-2 protein homolog beta-like
XP_694073.4 transforming acidic coiled-coil-containing protein 1 isoform X2
XP_003441720.1 transforming growth factor beta regulator 1-like
XP_003458785.1 transforming growth factor beta-1-induced transcript 1 protein-like
XP_004080343.1 transforming growth factor beta-1-induced transcript 1 protein-like isoform 3
XP_002936067.1 transforming growth factor beta-2 isoform X1
XP_688180.1 transforming growth factor beta-2-like
XP_003453117.1 transforming growth factor beta-3-like
XP_538441.3 transforming growth factor-beta receptor-associated protein 1
XP_003445767.1 transforming growth factor-beta receptor-associated protein 1 homolog
XP_003443421.1 transforming growth factor-beta-induced protein ig-h3
XP_003449375.1 transgelin-like isoform 2
XP_004081073.1 transient receptor potential cation channel subfamily A member 1-like
XP_003440349.1 transient receptor potential cation channel subfamily M member 1-like
XP_003199306.1 transient receptor potential cation channel subfamily M member 2-like
XP_003452698.1 transient receptor potential cation channel subfamily M member 3
XP_001339981.4 transient receptor potential cation channel subfamily M member 4, partial
XP_003438681.1 transient receptor potential cation channel subfamily M member 4-like
XP_003450824.1 transient receptor potential cation channel subfamily M member 5
XP_004066982.1 transient receptor potential cation channel subfamily M member 5-like
XP_003437681.1 transient receptor potential cation channel subfamily M member 7
XP_004067461.1 transient receptor potential cation channel subfamily M member 7-like
XP_003976408.1 transient receptor potential cation channel subfamily V member 1-like
XP_003975033.1 transient receptor potential cation channel subfamily V member 4-like
XP_003444807.1 transketolase-like
XP_004068570.1 transketolase-like isoform 1
XP_694147.1 trans-L-3-hydroxyproline dehydratase-like isoform X2
XP_002664348.1 translation factor GUF1, mitochondrial isoform X1
XP_004073610.1 translation factor GUF1, mitochondrial-like

XP_003455663.1 translation initiation factor eIF-2B subunit delta-like
XP_003460108.1 translation initiation factor IF-2, mitochondrial-like
XP_002667084.2 translational activator GCN1
XP_004084551.1 translational activator GCN1-like
XP_003201765.1 translational activator of cytochrome c oxidase 1-like
XP_003454951.1 translin-like
XP_003443506.1 translocating chain-associated membrane protein 1-like 1-like
XP_003448591.1 translocation protein SEC62-like
XP_002747094.1 translocation protein SEC63 homolog
XP_004083757.1 translocation protein SEC63 homolog isoform 2
XP_004070481.1 translocon-associated protein subunit delta-like isoform 1
XP_004070482.1 translocon-associated protein subunit delta-like isoform 2
XP_001915319.2 translocon-associated protein subunit gamma-like
XP_004068090.1 transmembrane 4 L6 family member 1-like
XP_003458255.1 transmembrane 6 superfamily member 1-like
XP_003438009.1 transmembrane 6 superfamily member 2-like
XP_693713.2 transmembrane 7 superfamily member 3
XP_003455774.1 transmembrane 7 superfamily member 3-like
XP_003802004.1 transmembrane 9 superfamily member 1
XP_003457937.1 transmembrane 9 superfamily member 1-like
XP_003203286.1 transmembrane 9 superfamily member 2-like
XP_003409039.1 transmembrane 9 superfamily member 3-like
XP_001363421.2 transmembrane 9 superfamily member 4-like
XP_002660366.2 transmembrane and coiled-coil domain-containing protein 3
XP_003445826.1 transmembrane and coiled-coil domain-containing protein 3-like
XP_003201275.1 transmembrane and coiled-coil domain-containing protein 4
XP_003444676.1 transmembrane and coiled-coil domain-containing protein 6-like
XP_683380.2 transmembrane and coiled-coil domain-containing protein 7
XP_003360903.1 transmembrane and coiled-coil domains protein 1
XP_414456.2 transmembrane and coiled-coil domains protein 1 isoform X7
XP_003973279.1 transmembrane and coiled-coil domains protein 1-like
XP_002667510.2 transmembrane and coiled-coil domains protein 1-like isoform X1
XP_002760759.1 transmembrane and coiled-coil domains protein 2
XP_003441315.1 transmembrane and coiled-coil domains protein 2-like
XP_003929756.1 transmembrane and coiled-coil domains protein 3
XP_001922025.3 transmembrane and TPR repeat-containing protein 1 isoform X1
XP_003455709.1 transmembrane and TPR repeat-containing protein 1-like
XP_002687226.1 transmembrane and TPR repeat-containing protein 2
XP_682966.5 transmembrane and TPR repeat-containing protein 2-like, partial
XP_003449248.1 transmembrane and TPR repeat-containing protein 3
XP_004086322.1 transmembrane and TPR repeat-containing protein 3-like
XP_003451632.1 transmembrane and TPR repeat-containing protein 4
XP_001494093.2 transmembrane and TPR repeat-containing protein 4-like
XP_686626.1 transmembrane anterior posterior transformation protein 1 homolog
XP_003411416.1 transmembrane anterior posterior transformation protein 1-like
XP_003214994.1 transmembrane BAX inhibitor motif-containing protein 1-like
XP_002664983.1 transmembrane channel-like 4
XP_003445642.1 transmembrane channel-like protein 2-like
XP_003458525.1 transmembrane channel-like protein 3-like
XP_003199588.1 transmembrane channel-like protein 7-like
XP_004074498.1 transmembrane emp24 domain-containing protein 2-like isoform 2
XP_001379758.2 transmembrane emp24 domain-containing protein 4-like
XP_004067669.1 transmembrane emp24 domain-containing protein 5-like
XP_003967318.1 transmembrane emp24 domain-containing protein 6-like
XP_003446109.1 transmembrane emp24 domain-containing protein 7-like
XP_003217634.1 transmembrane emp24 domain-containing protein 9-like
XP_691746.3 transmembrane gamma-carboxyglutamic acid protein 3-like
XP_004067277.1 transmembrane gamma-carboxyglutamic acid protein 4-like
XP_002751536.1 transmembrane glycoprotein NMB isoform 1
XP_003449367.1 transmembrane O-methyltransferase-like
XP_004085766.1 transmembrane protease serine 3-like, partial
XP_003968493.1 transmembrane protease serine 4-like
XP_003455110.1 transmembrane protease serine 5-like
XP_003459393.1 transmembrane protease serine 6-like
XP_002666699.2 transmembrane protease serine 7-like
XP_001922711.3 transmembrane protease serine 9
XP_003442509.1 transmembrane protease serine 9-like
XP_004071157.1 transmembrane protein 100-like
XP_003643860.1 transmembrane protein 101-like
XP_693756.3 transmembrane protein 104 isoform X2
XP_687791.1 transmembrane protein 107
XP_003450935.1 transmembrane protein 107-like isoform 2
XP_691545.4 transmembrane protein 108-like
XP_001069716.3 transmembrane protein 108-like isoform 1
XP_003199940.1 transmembrane protein 109-like isoform 1
XP_003442803.1 transmembrane protein 110-like
XP_003444054.1 transmembrane protein 117-like
XP_687955.1 transmembrane protein 119
XP_003770263.1 transmembrane protein 120A

XP_003449357.1 transmembrane protein 120A-like
XP_003441249.1 transmembrane protein 121-like
XP_003199951.1 transmembrane protein 121-like isoform X1
XP_001920723.3 transmembrane protein 125-like
XP_004068908.1 transmembrane protein 128-like isoform 2
XP_001923340.1 transmembrane protein 131 isoform X1
XP_003449786.1 transmembrane protein 131-like
XP_001332905.2 transmembrane protein 132C
XP_003198660.1 transmembrane protein 132C-like
XP_001508797.1 transmembrane protein 132D
XP_001922187.2 transmembrane protein 132D isoform X1
XP_004072769.1 transmembrane protein 132D-like
XP_003453485.1 transmembrane protein 132E
XP_004065803.1 transmembrane protein 134-like
XP_003640641.1 transmembrane protein 135 isoform X1
XP_003198754.1 transmembrane protein 136-like isoform X1
XP_002666816.1 transmembrane protein 138
XP_004015752.1 transmembrane protein 145
XP_686062.5 transmembrane protein 145-like
XP_001342667.2 transmembrane protein 150C isoform X1
XP_001333592.1 transmembrane protein 151B-like
XP_001920669.1 transmembrane protein 158-like
XP_003456125.1 transmembrane protein 161B-like
XP_004082071.1 transmembrane protein 163-like
XP_002667254.1 transmembrane protein 164-like
XP_001370741.2 transmembrane protein 165-like
XP_686962.3 transmembrane protein 168-like
XP_003447482.1 transmembrane protein 169-like
XP_003200563.1 transmembrane protein 170B-like
XP_699489.3 transmembrane protein 173-like
XP_687728.1 transmembrane protein 178B-like
XP_003445735.1 transmembrane protein 178-like
XP_003459825.1 transmembrane protein 178-like isoform 1
XP_001333416.2 transmembrane protein 179B-like
XP_003200427.1 transmembrane protein 179-like
XP_003456389.1 transmembrane protein 180-like
XP_004081531.1 transmembrane protein 182-like isoform 1
XP_003442227.1 transmembrane protein 184A-like
XP_003221773.1 transmembrane protein 184C-like
XP_003135499.3 transmembrane protein 185A-like
XP_003437715.1 transmembrane protein 188-like
XP_683418.2 transmembrane protein 194A
XP_693037.2 transmembrane protein 194B
XP_691948.4 transmembrane protein 198-B
XP_004069167.1 transmembrane protein 198-B-like
XP_003456354.1 transmembrane protein 199-like
XP_003972726.1 transmembrane protein 19-like
XP_001365216.1 transmembrane protein 2 isoform 1
XP_002188938.1 transmembrane protein 200A-like
XP_001342745.4 transmembrane protein 200C-like
XP_698143.3 transmembrane protein 205-like
XP_003456802.1 transmembrane protein 208-like
XP_001338174.3 transmembrane protein 211
XP_003446361.1 transmembrane protein 214-B-like
XP_003198110.1 transmembrane protein 220-like isoform 1
XP_003201087.1 transmembrane protein 221-like
XP_002665563.2 transmembrane protein 222 isoform 1
XP_003977244.1 transmembrane protein 222-like
XP_003452358.1 transmembrane protein 229b-like
XP_003445719.1 transmembrane protein 233-like
XP_001340845.3 transmembrane protein 235-like
XP_003439400.1 transmembrane protein 236-like
XP_004066407.1 transmembrane protein 237B-like
XP_001341465.1 transmembrane protein 238-like
XP_003962994.1 transmembrane protein 240-like
XP_004078160.1 transmembrane protein 245-like
XP_003455389.1 transmembrane protein 26-like
XP_003452697.1 transmembrane protein 2-like
XP_003445260.1 transmembrane protein 35-like
XP_003445846.1 transmembrane protein 39A-like
XP_003962625.1 transmembrane protein 39B-like
XP_003513432.1 transmembrane protein 41B-like
XP_004073995.1 transmembrane protein 42-like
XP_003441471.1 transmembrane protein 43-like
XP_004022042.1 transmembrane protein 47-like
XP_003969167.1 transmembrane protein 54-like
XP_003447503.1 transmembrane protein 55B-A-like
XP_700558.3 transmembrane protein 56-B isoform X2
XP_003443204.1 transmembrane protein 56-B-like

XP_003445016.1 transmembrane protein 60-like isoform 1
XP_001923761.1 transmembrane protein 62 isoform X1
XP_003443075.1 transmembrane protein 62-like
XP_004083891.1 transmembrane protein 63A-like
XP_698167.4 transmembrane protein 63B
XP_002664275.2 transmembrane protein 63B isoform X1
XP_001341225.4 transmembrane protein 63B, partial
XP_003456571.1 transmembrane protein 63B-like
XP_003962688.1 transmembrane protein 63C-like
XP_003219456.1 transmembrane protein 65-like
XP_685684.1 transmembrane protein 69 isoform X2
XP_002660878.1 transmembrane protein 70, mitochondrial
XP_001381537.2 transmembrane protein 71-like
XP_001337951.1 transmembrane protein 74B-like
XP_003200634.1 transmembrane protein 74-like
XP_002667828.1 transmembrane protein 79 isoform X1
XP_003214886.1 transmembrane protein 80-like
XP_001342604.1 transmembrane protein 81
XP_004077497.1 transmembrane protein 87A-like
XP_875413.4 transmembrane protein 87B
XP_003971140.1 transmembrane protein 88-like
XP_003975883.1 transmembrane protein 8A-like
XP_001920832.2 transmembrane protein 8B isoform X1
XP_003455323.1 transmembrane protein 8B-like
XP_697605.1 transmembrane protein 97
XP_004069231.1 transmembrane protein adipocyte-associated 1 homolog
XP_003440345.1 transmembrane protein C15orf27-like
XP_003456696.1 transmembrane protein C18orf45 homolog
XP_003459899.1 transmembrane protein C9orf125 homolog
XP_003200243.1 transmembrane protein C9orf5-like
XP_001340397.4 transmembrane protein C9orf5-like, partial
XP_001921227.1 transmembrane protein FAM155A-like
XP_002828776.2 transportin-2
XP_003972076.1 transportin-2-like
XP_003452860.1 transportin-2-like isoform 1
XP_003452861.1 transportin-2-like isoform 2
XP_003448803.1 transportin-3
XP_004084838.1 transportin-3-like, partial
XP_002737507.1 transposase domain-containing protein-like
XP_003200110.1 transposon TX1 uncharacterized 149 kDa protein-like
XP_003199762.1 transposon TX1 uncharacterized 149 kDa protein-like, partial
XP_001336187.3 trehalase
XP_003450254.1 trehalase-like
XP_004069502.1 treslin-like
XP_001332342.2 tribbles homolog 1, partial
XP_003977242.1 tribbles homolog 1-like
XP_002667789.1 tribbles homolog 2
XP_001333006.4 tricarboxylate transport protein, mitochondrial
XP_003978690.1 tricarboxylate transport protein, mitochondrial-like
XP_001341898.4 trichohyalin
XP_706869.1 trichohyalin-like isoformX2
XP_003451701.1 trichoplein keratin filament-binding protein-like
XP_004082104.1 trifunctional enzyme subunit alpha, mitochondrial-like
XP_003446303.1 trifunctional enzyme subunit beta, mitochondrial-like
XP_003455007.1 trimeric intracellular cation channel type B-like
XP_682831.2 trimethyllysine dioxygenase, mitochondrial-like
XP_002661260.2 trinucleotide repeat-containing gene 18 protein isoform X1
XP_002663990.2 trinucleotide repeat-containing gene 6B protein
XP_002660610.2 TRIO and F-actin-binding protein-like
XP_003452735.1 triosephosphate isomerase-like
XP_688915.1 tripartite motif-containing protein 16
XP_695550.5 tripartite motif-containing protein 16 isoform 2
XP_001338903.1 tripartite motif-containing protein 16 isoform X1
XP_687012.2 tripartite motif-containing protein 16-like
XP_001344797.3 tripartite motif-containing protein 16-like isoform X1
XP_686669.1 tripartite motif-containing protein 16-like isoform X2
XP_686295.3 tripartite motif-containing protein 3 isoform 1
XP_003964783.1 tripartite motif-containing protein 35-like
XP_003198957.1 tripartite motif-containing protein 39
XP_003200565.1 tripartite motif-containing protein 39-like
XP_003450186.1 tripartite motif-containing protein 3-like
XP_003456645.1 tripartite motif-containing protein 45-like
XP_686393.2 tripartite motif-containing protein 45-like isoform X2
XP_698412.4 tripartite motif-containing protein 46 isoform X4
XP_003452533.1 tripartite motif-containing protein 46-like
XP_688583.3 tripartite motif-containing protein 47 isoformX1
XP_003458507.1 tripartite motif-containing protein 47-like
XP_002931048.1 tripartite motif-containing protein 4-like
XP_003454875.1 tripartite motif-containing protein 59-like

XP_003459625.1 tripartite motif-containing protein 62-like
 XP_001920401.1 tripartite motif-containing protein 65-like
 XP_003445041.1 tripartite motif-containing protein 7-like
 XP_003445764.1 tripeptidyl-peptidase 2
 XP_001365861.1 tripeptidyl-peptidase 2 isoform 2
 XP_002660367.2 tripeptidyl-peptidase 2 isoform X1
 XP_004067198.1 tripeptidyl-peptidase 2-like
 XP_004059078.1 triple functional domain protein
 XP_002667303.2 triple functional domain protein, partial
 XP_002917567.1 triple functional domain protein-like
 XP_004085638.1 TRMT1-like protein-like
 XP_001337498.2 tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial-like
 XP_003969057.1 tRNA (cytosine(34)-C(5))-methyltransferase-like
 XP_685886.4 tRNA (guanine(26)-N(2))-dimethyltransferase
 XP_004084262.1 tRNA (guanine(26)-N(2))-dimethyltransferase-like
 XP_003453135.1 tRNA (guanine-N(1)-)-methyltransferase-like
 XP_003978115.1 tRNA modification GTPase GTPBP3, mitochondrial-like
 XP_003444389.1 tRNA pseudouridine synthase A, mitochondrial-like
 XP_683563.5 tRNA pseudouridine synthase-like 1-like isoform X4
 XP_003229714.1 tRNA selenocysteine 1-associated protein 1-like
 XP_003459488.1 tRNA wybutosine-synthesizing protein 1 homolog
 XP_003199977.1 tRNA wybutosine-synthesizing protein 2 homolog
 XP_003441677.1 tRNA-dihydrouridine synthase 4-like
 XP_001342694.3 tRNA-dihydrouridine(20) synthase
 XP_003439606.1 tRNA-specific adenosine deaminase 1-like
 XP_003432790.1 tRNA-splicing endonuclease subunit Sen2 isoform 1
 XP_694352.4 tRNA-splicing endonuclease subunit Sen34 isoform X2
 XP_003443801.1 trophoblast glycoprotein-like
 XP_001920602.1 tropomodulin-1 isoform X1
 XP_003458237.1 tropomodulin-3-like
 XP_003275931.2 tropomyosin alpha-1 chain
 XP_003455296.1 tropomyosin alpha-1 chain-like
 XP_003413090.1 tropomyosin alpha-1 chain-like isoform 1
 XP_004075094.1 tropomyosin beta chain-like isoform 3
 XP_001337104.1 tropomyosin-2-like
 XP_001373856.2 troponin C, skeletal muscle-like
 XP_003257213.2 troponin C, slow skeletal and cardiac muscles
 XP_001505895.2 troponin C, slow skeletal and cardiac muscles-like
 XP_691548.4 troponin I, cardiac muscle
 XP_003443950.1 troponin I, fast skeletal muscle-like isoform 2
 XP_004069567.1 troponin T, cardiac muscle isoforms-like isoform 2
 XP_004072048.1 troponin T, slow skeletal muscle-like
 XP_688509.3 trypsin I-P1-like
 XP_003458838.1 trypsin-1-like
 XP_688573.1 trypsin-like
 XP_003453266.1 tryptophanyl-tRNA synthetase, cytoplasmic-like
 XP_003456647.1 tryptophanyl-tRNA synthetase, mitochondrial-like
 XP_0033340363.1 TSC22 domain family protein 4-like
 XP_003446244.1 t-SNARE domain-containing protein 1-like
 XP_003225375.1 tubby protein homolog
 XP_003199647.1 tubby protein homolog isoform X1
 XP_003212871.1 tubby-related protein 1-like
 XP_004083302.1 tubby-related protein 3-like
 XP_002665166.1 tubby-related protein 4-like
 XP_003442926.1 tubby-related protein 4-like isoform 2
 XP_003455843.1 tuberin-like
 XP_003405478.1 tubulin alpha-1A chain-like
 XP_003966699.1 tubulin alpha-1A chain-like, partial
 XP_003405479.1 tubulin alpha-1C chain-like
 XP_003438170.1 tubulin beta-2A chain isoform 1
 XP_003706180.1 tubulin beta-4 chain-like
 XP_003452462.1 tubulin beta-5 chain-like
 XP_003454368.1 tubulin beta-6 chain-like
 XP_002941372.1 tubulin delta chain-like isoform X1
 XP_002662215.1 tubulin folding cofactor E-like b
 XP_004012988.1 tubulin gamma-1 chain isoform 3
 XP_004071358.1 tubulin gamma-1 chain-like isoform 3
 XP_001520119.2 tubulin gamma-2 chain-like, partial
 XP_002925089.1 tubulin monoglycylase TTL3-like
 XP_003198021.1 tubulin polyglutamylase complex subunit 1-like
 XP_003449686.1 tubulin polyglutamylase TTL11-like
 XP_003199236.1 tubulin polyglutamylase TTL4 isoform X1
 XP_001345122.3 tubulin polyglutamylase TTL5-like
 XP_003455421.1 tubulin polyglutamylase TTL7, partial
 XP_003974335.1 tubulin polyglutamylase TTL7-like
 XP_687926.1 tubulin polymerization-promoting protein family member 3-like
 XP_002667767.2 tubulin polymerization-promoting protein-like
 XP_003459977.1 tubulin-specific chaperone cofactor E-like protein-like
 XP_001922584.2 tubulin-specific chaperone D

XP_003215854.1 tubulin-specific chaperone E-like
XP_004084849.1 tubulin--tyrosine ligase-like
XP_003444190.1 tubulointerstitial nephritis antigen-like
XP_003998044.1 tudor domain-containing protein 12
XP_002667006.2 tudor domain-containing protein 12-like
XP_004067207.1 tudor domain-containing protein 3-like
XP_003200778.1 tudor domain-containing protein 6-like
XP_003457705.1 tudor domain-containing protein 7B-like
XP_003451013.1 tuftelin-like
XP_694193.4 tumor necrosis factor alpha-induced protein 2-like isoform X2
XP_692922.3 tumor necrosis factor alpha-induced protein 3
XP_002666674.1 tumor necrosis factor receptor superfamily member 11A-like
XP_004077800.1 tumor necrosis factor receptor superfamily member 11B-like
XP_700985.3 tumor necrosis factor receptor superfamily member 16
XP_002919057.1 tumor necrosis factor receptor superfamily member 21-like
XP_003214254.1 tumor necrosis factor receptor superfamily member 25-like
XP_001923114.3 tumor necrosis factor receptor superfamily member 5-like
XP_004068352.1 tumor protein 63, partial
XP_003973927.1 tumor protein 63-like
XP_003444266.1 tumor protein 63-like isoform 2
XP_001338803.3 tumor protein p53-inducible protein 13-like
XP_001922801.1 tumor protein p63 regulated 1-like
XP_003963185.1 tumor protein p63-regulated gene 1-like protein-like
XP_004024585.1 tumor protein p73 isoform 9
XP_003762358.1 tumor suppressor candidate 2
XP_001508436.1 tumor suppressor candidate 2-like
XP_002934712.1 tumor suppressor candidate 3
XP_003968535.1 tumor suppressor candidate 5 homolog
XP_002662924.1 tumor susceptibility gene 101 protein-like
XP_003441468.1 twinfilin-2-like isoform 2
XP_004080672.1 twinkle protein, mitochondrial-like
XP_003451794.1 two pore calcium channel protein 1-like
XP_004076925.1 type I inositol 1,4,5-trisphosphate 5-phosphatase-like
XP_004066408.1 type I inositol 3,4-bisphosphate 4-phosphatase-like isoform 1
XP_004066409.1 type I inositol 3,4-bisphosphate 4-phosphatase-like isoform 2
XP_872077.4 type I inositol-1,4,5-trisphosphate 5-phosphatase
XP_001363154.1 type I inositol-3,4-bisphosphate 4-phosphatase isoform 1
XP_003459972.1 type I inositol-3,4-bisphosphate 4-phosphatase-like
XP_004078335.1 type II inositol 1,4,5-trisphosphate 5-phosphatase-like
XP_004017279.1 type II inositol 3,4-bisphosphate 4-phosphatase isoform 2
XP_003972506.1 type II inositol 3,4-bisphosphate 4-phosphatase-like
XP_003450590.1 type II inositol-1,4,5-trisphosphate 5-phosphatase
XP_003341198.1 type II inositol-1,4,5-trisphosphate 5-phosphatase-like
XP_692000.3 type II inositol-1,4,5-trisphosphate 5-phosphatase-like, partial
XP_001513091.1 type II inositol-3,4-bisphosphate 4-phosphatase
XP_003452300.1 type II inositol-3,4-bisphosphate 4-phosphatase-like
XP_002666635.1 type-1 angiotensin II receptor A-like
XP_003455923.1 type-2 ice-structuring protein-like
XP_003967406.1 tyrosine 3-monooxygenase-like
XP_001367424.1 tyrosine aminotransferase
XP_003911231.1 tyrosine-protein kinase ABL1
XP_003453916.1 tyrosine-protein kinase ABL1-like
XP_003441781.1 tyrosine-protein kinase BAZ1B-like
XP_003455667.1 tyrosine-protein kinase Blk-like
XP_697087.4 tyrosine-protein kinase BTK
XP_003443920.1 tyrosine-protein kinase CSK-like
XP_693576.4 tyrosine-protein kinase Fer
XP_003453057.1 tyrosine-protein kinase FRK
XP_004084035.1 tyrosine-protein kinase FRK-like
XP_003977809.1 tyrosine-protein kinase Fyn-like isoform 2
XP_003457895.1 tyrosine-protein kinase HCK-like
XP_003445875.1 tyrosine-protein kinase ITK/TSK
XP_003970569.1 tyrosine-protein kinase ITK/TSK-like
XP_003452389.1 tyrosine-protein kinase JAK1-like
XP_003449110.1 tyrosine-protein kinase JAK2-like
XP_003456219.1 tyrosine-protein kinase Lyn-like
XP_002664277.2 tyrosine-protein kinase Mer
XP_003974445.1 tyrosine-protein kinase receptor Tie-1-like
XP_004075527.1 tyrosine-protein kinase receptor UFO-like
XP_003444322.1 tyrosine-protein kinase RYK
XP_004067802.1 tyrosine-protein kinase RYK-like
XP_003965243.1 tyrosine-protein kinase SgK223-like
XP_002665190.2 tyrosine-protein kinase Src42A-like
XP_003446080.1 tyrosine-protein kinase Srms-like
XP_003200267.1 tyrosine-protein kinase STYK1
XP_003450676.1 tyrosine-protein kinase STYK1-like
XP_003439648.1 tyrosine-protein kinase SYK
XP_003456492.1 tyrosine-protein kinase Tec
XP_003201292.1 tyrosine-protein kinase Tec-like, partial

XP_696695.4 tyrosine-protein kinase transmembrane receptor ROR1 isoform X2
XP_003452391.1 tyrosine-protein kinase transmembrane receptor ROR1-like
XP_003445176.1 tyrosine-protein kinase ZAP-70
XP_003422076.1 tyrosine-protein kinase ZAP-70-like
XP_003203692.1 tyrosine-protein kinase-like 7-like
XP_004074644.1 tyrosine-protein phosphatase non-receptor type 11-like
XP_003445074.1 tyrosine-protein phosphatase non-receptor type 12
XP_003221536.1 tyrosine-protein phosphatase non-receptor type 12-like
XP_002664234.2 tyrosine-protein phosphatase non-receptor type 13
XP_003449954.1 tyrosine-protein phosphatase non-receptor type 14
XP_003216030.1 tyrosine-protein phosphatase non-receptor type 14-like
XP_003439149.1 tyrosine-protein phosphatase non-receptor type 1-like
XP_003199779.1 tyrosine-protein phosphatase non-receptor type 20-like
XP_001339962.4 tyrosine-protein phosphatase non-receptor type 21 isoform X1
XP_003962557.1 tyrosine-protein phosphatase non-receptor type 21-like
XP_687930.4 tyrosine-protein phosphatase non-receptor type 3
XP_003443324.1 tyrosine-protein phosphatase non-receptor type 4
XP_004086962.1 tyrosine-protein phosphatase non-receptor type 4-like
XP_003447200.1 tyrosine-protein phosphatase non-receptor type 5-like
XP_003313514.1 tyrosine-protein phosphatase non-receptor type 6 isoform 3
XP_003966362.1 tyrosine-protein phosphatase non-receptor type 6-like
XP_003201442.1 tyrosine-protein phosphatase non-receptor type 9 isoform X1
XP_004069526.1 tyrosine-protein phosphatase non-receptor type 9-like
XP_700174.2 tyrosyl-DNA phosphodiesterase 1 isoform X1
XP_003437748.1 tyrosyl-DNA phosphodiesterase 1-like
XP_003219821.1 tyrosyl-DNA phosphodiesterase 2-like
XP_003443880.1 tyrosyl-tRNA synthetase, mitochondrial-like
XP_003976344.1 U1 small nuclear ribonucleoprotein C-like
XP_004076429.1 U11/U12 small nuclear ribonucleoprotein 35 kDa protein-like
XP_001920562.1 U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 2 isoform X1
XP_001515642.2 U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 2-like
XP_004081149.1 U2 snRNP-associated SURP motif-containing protein-like
XP_003199002.1 u3 small nucleolar ribonucleoprotein protein MPP10
XP_003973369.1 U3 small nucleolar RNA-interacting protein 2-like
XP_003977662.1 U4/U6 small nuclear ribonucleoprotein Prp31-like
XP_004077967.1 U4/U6 small nuclear ribonucleoprotein Prp3-like
XP_003449741.1 U4/U6.U5 tri-snRNP-associated protein 1
XP_002821538.1 U4/U6.U5 tri-snRNP-associated protein 1-like, partial
XP_003451756.1 U4/U6.U5 tri-snRNP-associated protein 2
XP_003445732.1 U5 small nuclear ribonucleoprotein 200 kDa helicase
XP_004072557.1 U5 small nuclear ribonucleoprotein 200 kDa helicase-like
XP_004067969.1 U6 snRNA-associated Sm-like protein LSm4-like
XP_001376922.2 u6 snRNA-associated Sm-like protein LSm6-like
XP_003788908.1 U6 snRNA-associated Sm-like protein LSm7
XP_003447234.1 U7 snRNA-associated Sm-like protein LSm10-like isoform 1
XP_003201242.1 u8 snoRNA-decapping enzyme-like
XP_004078951.1 UAP56-interacting factor-like
XP_003448011.1 ubinuclein-2-like
XP_003968889.1 ubiquitin-4-like
XP_003456273.1 ubiquinol-cytochrome c reductase complex chaperone CBP3 homolog
XP_003453101.1 ubiquinone biosynthesis monooxygenase COQ6-like
XP_003965520.1 ubiquinone biosynthesis protein COQ4 homolog, mitochondrial-like
XP_004066247.1 ubiquinone biosynthesis protein COQ7 homolog
XP_004069859.1 ubiquinone biosynthesis protein COQ9, mitochondrial-like isoform 2
XP_685621.5 ubiquitin carboxyl-terminal hydrolase 10 isoformX1
XP_004086360.1 ubiquitin carboxyl-terminal hydrolase 11-like
XP_003229637.1 ubiquitin carboxyl-terminal hydrolase 12-like
XP_688359.3 ubiquitin carboxyl-terminal hydrolase 12-like isoformX2
XP_004067909.1 ubiquitin carboxyl-terminal hydrolase 13-like
XP_002814369.2 ubiquitin carboxyl-terminal hydrolase 13-like, partial
XP_003205038.1 ubiquitin carboxyl-terminal hydrolase 14-like
XP_004079464.1 ubiquitin carboxyl-terminal hydrolase 14-like isoform 1
XP_003445114.1 ubiquitin carboxyl-terminal hydrolase 15
XP_002667650.2 ubiquitin carboxyl-terminal hydrolase 15-like
XP_004085098.1 ubiquitin carboxyl-terminal hydrolase 15-like, partial
XP_689922.5 ubiquitin carboxyl-terminal hydrolase 19
XP_004070616.1 ubiquitin carboxyl-terminal hydrolase 19-like
XP_003449651.1 ubiquitin carboxyl-terminal hydrolase 20-like
XP_003963359.1 ubiquitin carboxyl-terminal hydrolase 21-like
XP_692003.2 ubiquitin carboxyl-terminal hydrolase 21-like isoform X3
XP_002827183.2 ubiquitin carboxyl-terminal hydrolase 22
XP_001370855.2 ubiquitin carboxyl-terminal hydrolase 22-A-like
XP_003761629.1 ubiquitin carboxyl-terminal hydrolase 22-B-like, partial
XP_003450164.1 ubiquitin carboxyl-terminal hydrolase 22-like
XP_003572898.1 ubiquitin carboxyl-terminal hydrolase 23-like
XP_002665714.2 ubiquitin carboxyl-terminal hydrolase 24
XP_003784043.1 ubiquitin carboxyl-terminal hydrolase 25
XP_003202914.1 ubiquitin carboxyl-terminal hydrolase 25-like
XP_001920096.1 ubiquitin carboxyl-terminal hydrolase 28 isoform X1

XP_003459978.1 ubiquitin carboxyl-terminal hydrolase 2-like
XP_001337596.1 ubiquitin carboxyl-terminal hydrolase 2-like isoform X1
XP_692912.3 ubiquitin carboxyl-terminal hydrolase 31 isoform X3
XP_003453620.1 ubiquitin carboxyl-terminal hydrolase 32
XP_686236.5 ubiquitin carboxyl-terminal hydrolase 32-like
XP_001512478.2 ubiquitin carboxyl-terminal hydrolase 34
XP_003459953.1 ubiquitin carboxyl-terminal hydrolase 34, partial
XP_688241.3 ubiquitin carboxyl-terminal hydrolase 36
XP_004071701.1 ubiquitin carboxyl-terminal hydrolase 36-like
XP_003197722.1 ubiquitin carboxyl-terminal hydrolase 38
XP_003309895.1 ubiquitin carboxyl-terminal hydrolase 4
XP_002662556.2 ubiquitin carboxyl-terminal hydrolase 4 isoform 1
XP_002662557.1 ubiquitin carboxyl-terminal hydrolase 4 isoform 2
XP_001921353.3 ubiquitin carboxyl-terminal hydrolase 40
XP_003962805.1 ubiquitin carboxyl-terminal hydrolase 40-like
XP_003443227.1 ubiquitin carboxyl-terminal hydrolase 43-like
XP_004077736.1 ubiquitin carboxyl-terminal hydrolase 45-like
XP_692456.3 ubiquitin carboxyl-terminal hydrolase 45-like isoform X2
XP_003205871.1 ubiquitin carboxyl-terminal hydrolase 46-like
XP_003442416.1 ubiquitin carboxyl-terminal hydrolase 47
XP_003970067.1 ubiquitin carboxyl-terminal hydrolase 47-like
XP_002667675.2 ubiquitin carboxyl-terminal hydrolase 48 isoform X1
XP_004068960.1 ubiquitin carboxyl-terminal hydrolase 48-like
XP_003973269.1 ubiquitin carboxyl-terminal hydrolase 49-like
XP_003441495.1 ubiquitin carboxyl-terminal hydrolase 4-like
XP_004078037.1 ubiquitin carboxyl-terminal hydrolase 5-like isoform 1
XP_004078038.1 ubiquitin carboxyl-terminal hydrolase 5-like isoform 2
XP_003440531.1 ubiquitin carboxyl-terminal hydrolase 6-like
XP_691215.4 ubiquitin carboxyl-terminal hydrolase 7 isoform X2
XP_003454989.1 ubiquitin carboxyl-terminal hydrolase 7-like
XP_003969893.1 ubiquitin carboxyl-terminal hydrolase 8-like
XP_003982393.1 ubiquitin carboxyl-terminal hydrolase BAP1
XP_684817.3 ubiquitin carboxyl-terminal hydrolase CYLD isoform X2
XP_003198852.1 ubiquitin carboxyl-terminal hydrolase CYLD-like
XP_002662639.2 ubiquitin carboxyl-terminal hydrolase CYLD-like, partial
XP_004028123.1 ubiquitin carboxyl-terminal hydrolase isozyme L5
XP_003200095.1 ubiquitin conjugation factor E4 A isoform 2
XP_003968419.1 ubiquitin conjugation factor E4 A-like isoform 1
XP_003444953.1 ubiquitin conjugation factor E4 B-like
XP_003451086.1 ubiquitin fusion degradation protein 1 homolog
XP_001923885.2 ubiquitin-associated and SH3 domain-containing protein B
XP_003457650.1 ubiquitin-associated and SH3 domain-containing protein B-like
XP_001096751.2 ubiquitin-associated domain-containing protein 1-like
XP_001343852.1 ubiquitin-associated protein 1-like isoform X1
XP_004009714.1 ubiquitin-conjugating enzyme E2 D3 isoform 4
XP_003969115.1 ubiquitin-conjugating enzyme E2 E2-like
XP_004078568.1 ubiquitin-conjugating enzyme E2 E3-like
XP_001510166.2 ubiquitin-conjugating enzyme E2 H-like
XP_003456072.1 ubiquitin-conjugating enzyme E2 J1-like isoform 2
XP_003441582.1 ubiquitin-conjugating enzyme E2 J2-like
XP_003773356.1 ubiquitin-conjugating enzyme E2 K
XP_003452184.1 ubiquitin-conjugating enzyme E2 K-like
XP_003816936.1 ubiquitin-conjugating enzyme E2 N-like
XP_003217286.1 ubiquitin-conjugating enzyme E2 O-like
XP_004073888.1 ubiquitin-conjugating enzyme E2 Q2-like isoform 1
XP_004073889.1 ubiquitin-conjugating enzyme E2 Q2-like isoform 2
XP_003981675.1 ubiquitin-conjugating enzyme E2 R1
XP_003197911.1 ubiquitin-conjugating enzyme E2 variant 3-like
XP_004072057.1 ubiquitin-conjugating enzyme E2 Z-like
XP_004074485.1 ubiquitin-conjugating enzyme E2Q-like protein 1-like
XP_003971099.1 ubiquitin-like domain-containing CTD phosphatase 1-like
XP_691141.2 ubiquitin-like modifier activating enzyme 5
XP_003448254.1 ubiquitin-like modifier-activating enzyme 1-like
XP_001341326.3 ubiquitin-like modifier-activating enzyme 1-like isoform X1
XP_004081152.1 ubiquitin-like modifier-activating enzyme 5-like
XP_003217747.1 ubiquitin-like modifier-activating enzyme ATG7-like
XP_003755020.1 ubiquitin-like protein 7
XP_003439272.1 ubiquitin-protein ligase E3C-like
XP_003797683.1 ubiquitin-specific peptidase-like protein 1
XP_002661398.1 ubl carboxyl-terminal hydrolase 18-like isoform X1
XP_697591.2 UBX domain-containing protein 11 isoform X2
XP_003200015.1 UBX domain-containing protein 1-like
XP_003990786.1 UBX domain-containing protein 4
XP_003446038.1 UDP-galactose translocator-like
XP_003441243.1 UDP-GalNAc:beta-1,3-N-acetylgalactosaminyltransferase 2-like
XP_001335117.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2
XP_001345784.2 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2-like
XP_003449112.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3-like
XP_003437852.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5A-like

XP_003455392.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7-like
XP_003200493.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9
XP_003450027.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1-like
XP_003447406.1 UDP-glucose:glycoprotein glucosyltransferase 2
XP_004081988.1 UDP-glucose:glycoprotein glucosyltransferase 2-like
XP_002710040.1 UDP-glucuronate decarboxylase 1
XP_002666938.1 UDP-glucuronosyltransferase 2A3-like
XP_508285.3 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 4
XP_004072348.1 UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter-like
XP_003774996.1 UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit
XP_003225495.1 UDP-N-acetylhexosamine pyrophosphorylase-like
XP_001921467.3 UHRF1-binding protein 1
XP_004070967.1 UHRF1-binding protein 1-like
XP_699055.4 UMP-CMP kinase 2, mitochondrial, partial
XP_003437843.1 UMP-CMP kinase-like
XP_003456244.1 aarF domain-containing protein kinase 1
XP_700849.4 aarF domain-containing protein kinase 2-like
XP_003200879.1 family 31 glucosidase KIAA1161-like
XP_003458870.1 glycosyltransferase AGO61-like
XP_003199515.1 membrane protein C19orf24 isoform X1
XP_003213238.1 MFS-type transporter C19orf28 homolog, partial
XP_003459227.1 MFS-type transporter C19orf28-like
XP_001920959.3 unconventional myosin-Ib isoformX1
XP_004082099.1 unconventional myosin-Ib-like
XP_694821.5 unconventional myosin-Ic isoform X3
XP_004076536.1 unconventional myosin-Ic-like
XP_682849.4 unconventional myosin-Ie isoform X3
XP_002825561.1 unconventional myosin-Ie-like
XP_004068051.1 unconventional myosin-Ig-like
XP_004074363.1 unconventional myosin-Ig-like
XP_004069513.1 unconventional myosin-IXa-like
XP_689446.4 unconventional myosin-IXb isoform X3
XP_004084556.1 unconventional myosin-IXb-like
XP_001921844.3 unconventional myosin-Va
XP_004067882.1 unconventional myosin-Va-like
XP_003969612.1 unconventional myosin-Va-like isoform 1
XP_691143.2 unconventional myosin-Vc
XP_002189813.1 unconventional myosin-VI isoform 1
XP_002936250.1 unconventional myosin-VI isoform X1
XP_003764671.1 unconventional myosin-VIIa
XP_004076847.1 unconventional myosin-VIIa-like
XP_004068338.1 unconventional myosin-VIIb-like
XP_004082577.1 unconventional myosin-VI-like
XP_004076747.1 unconventional myosin-XIX-like
XP_004078800.1 unconventional myosin-X-like
XP_004076607.1 unconventional myosin-XVIIIa-like
XP_004074664.1 unconventional myosin-XVIIIb-like
XP_003977025.1 unconventional myosin-XV-like
XP_003447177.1 unconventional prefoldin RPB5 interactor-like
XP_004069583.1 unique cartilage matrix-associated protein-like
XP_003451910.1 UPF0160 protein MYG1, mitochondrial-like
XP_003445279.1 UPF0184 protein C9orf16 homolog
XP_001333295.3 UPF0193 protein EVG1 homolog isoform X1
XP_003755552.1 UPF0258 protein KIAA1024 homolog
XP_002667438.1 UPF0258 protein KIAA1024-like
XP_003440316.1 UPF0378 protein KIAA100-like
XP_003455806.1 UPF0390 protein zgc136864-like
XP_003447709.1 UPF0444 transmembrane protein C12orf23-like
XP_003199470.1 UPF0449 protein C19orf25 homolog isoform 3
XP_001510542.2 UPF0450 protein C17orf58-like
XP_003975150.1 UPF0454 protein C12orf49 homolog
XP_003453488.1 UPF0458 protein C7orf42 homolog
XP_003970479.1 UPF0461 protein C5orf24 homolog
XP_003976105.1 UPF0466 protein C22orf32 homolog, mitochondrial-like
XP_004067025.1 UPF0469 protein KIAA0907 homolog
XP_001921018.1 UPF0470 protein C19orf51 homolog
XP_003438646.1 UPF0488 protein C8orf33 homolog
XP_002664356.1 UPF0498 protein KIAA1191 homolog
XP_003978039.1 UPF0533 protein C5orf44 homolog
XP_003222978.1 UPF0547 protein C16orf87 homolog
XP_003456135.1 UPF0549 protein C20orf43 homolog
XP_698183.2 UPF0551 protein C8orf38 homolog, mitochondrial
XP_003213618.1 UPF0553 protein C9orf64-like, partial
XP_001920808.2 UPF0567 protein C13orf39 homolog
XP_003448141.1 UPF0577 protein KIAA1324-like
XP_004067470.1 UPF0583 protein C15orf59 homolog
XP_003445649.1 UPF0586 protein C9orf41 homolog
XP_003454086.1 UPF0598 protein C8orf82 homolog
XP_003446129.1 UPF0600 protein C5orf51 homolog

XP_694960.5 UPF0606 protein C11orf41-like
 XP_684863.3 UPF0606 protein KIAA1549
 XP_003198291.1 UPF0606 protein KIAA1549-like
 XP_004067399.1 UPF0606 protein KIAA1549L-like
 XP_003445547.1 UPF0614 protein C14orf102-like
 XP_003449941.1 UPF0624 protein C6orf186 homolog
 XP_001333493.1 UPF0628 protein C10orf96 homolog
 XP_852692.2 UPF0632 protein A
 XP_003440087.1 UPF0632 protein A-like
 XP_003444447.1 UPF0632 protein C2orf89-like
 XP_003205567.1 UPF0636 protein C4orf41 homolog, partial
 XP_003445475.1 UPF0639 protein-like
 XP_001920115.1 UPF0661 TPR repeat-containing protein C16D10.01c-like
 XP_540424.3 UPF0663 transmembrane protein C17orf28
 XP_003450079.1 UPF0663 transmembrane protein C17orf28-like isoform 1
 XP_003450080.1 UPF0663 transmembrane protein C17orf28-like isoform 2
 XP_003455468.1 UPF0676 protein C1494.01-like
 XP_688103.4 UPF0679 protein C14orf101 homolog
 XP_004079897.1 UPF0687 protein C20orf27 homolog
 XP_003452384.1 UPF0690 protein C1orf52 homolog
 XP_004069875.1 UPF0691 protein C9orf116 homolog
 XP_002938343.1 UPF0704 protein C6orf165 homolog
 XP_003983951.1 UPF0760 protein C2orf29 homolog
 XP_694540.3 UPF0764 protein C16orf89 homolog
 XP_003457696.1 up-regulator of cell proliferation-like
 XP_001381670.2 upstream stimulatory factor 1-like
 XP_003447307.1 upstream stimulatory factor 2-like
 XP_003444097.1 upstream-binding protein 1
 XP_001341296.1 uracil nucleotide/cysteinyl leukotriene receptor-like
 XP_699968.1 uracil-DNA glycosylase
 XP_003211008.1 uracil-DNA glycosylase-like
 XP_003971955.1 uridine diphosphate glucose pyrophosphatase-like
 XP_004081772.1 uridine phosphorylase 2-like
 XP_686775.4 uridine-cytidine kinase 1-like 1b isoform X3
 XP_003439072.1 uridine-cytidine kinase-like 1-like
 XP_003441500.1 urocanate hydratase-like
 XP_002664937.1 urokinase plasminogen activator surface receptor-like
 XP_001376908.1 uromodulin
 XP_001344258.4 uromodulin-like
 XP_696200.4 uromodulin-like 1
 XP_003459030.1 uromodulin-like 1-like
 XP_687540.1 urotensin-2 receptor-like
 XP_001921192.2 Usher syndrome type-1C protein-binding protein 1-like
 XP_003448681.1 Usher syndrome type-1G protein homolog
 XP_685232.4 Usher syndrome type-1G protein homolog, partial
 XP_002661315.1 Usher syndrome type-1G protein-like
 XP_697435.4 Usherin
 XP_003972782.1 USP6 N-terminal-like protein-like
 XP_003429426.1 USP6 N-terminal-like protein-like, partial
 XP_003201205.1 utrophin
 XP_003201206.1 utrophin-like
 XP_701210.5 utrophin-like, partial
 XP_003446521.1 UV excision repair protein RAD23 homolog A-like
 XP_429175.3 UV excision repair protein RAD23 homolog B isoform X4
 XP_003448875.1 UV excision repair protein RAD23 homolog B-like
 XP_003459027.1 UV radiation resistance-associated gene protein
 XP_693409.4 uveal autoantigen with coiled-coil domains and ankyrin repeats
 XP_002662887.1 uveal autoantigen with coiled-coil domains and ankyrin repeats protein isoform X1
 XP_003200499.1 uveal autoantigen with coiled-coil domains and ankyrin repeats-like
 XP_698272.2 UV-stimulated scaffold protein A isoform X2
 XP_001922185.1 vacuolar fusion protein MON1 homolog B
 XP_002718614.1 vacuolar protein sorting 26 (yeast)-like
 XP_003448940.1 vacuolar protein sorting-associated protein 11 homolog
 XP_004072616.1 vacuolar protein sorting-associated protein 13A-like
 XP_004085532.1 vacuolar protein sorting-associated protein 13A-like, partial
 XP_003452172.1 vacuolar protein sorting-associated protein 13B
 XP_004077750.1 vacuolar protein sorting-associated protein 13B-like
 XP_002914031.1 vacuolar protein sorting-associated protein 13B-like isoform 1
 XP_003205249.1 vacuolar protein sorting-associated protein 13B-like, partial
 XP_003437776.1 vacuolar protein sorting-associated protein 13C-like
 XP_001919988.3 vacuolar protein sorting-associated protein 13D
 XP_003978499.1 vacuolar protein sorting-associated protein 13D-like
 XP_003962909.1 vacuolar protein sorting-associated protein 29-like
 XP_003445638.1 vacuolar protein sorting-associated protein 33A
 XP_003456949.1 vacuolar protein sorting-associated protein 33B-like
 XP_003459331.1 vacuolar protein sorting-associated protein 35
 XP_003200074.1 vacuolar protein sorting-associated protein 37B-like
 XP_691671.2 vacuolar protein sorting-associated protein 41 homolog
 XP_003437949.1 vacuolar protein sorting-associated protein 4B-like

XP_003460090.1 vacuolar protein sorting-associated protein 52 homolog
XP_004065822.1 vacuolar protein sorting-associated protein 54-like
XP_001377110.1 vacuolar protein sorting-associated protein 8 homolog
XP_003446679.1 vacuolar protein sorting-associated protein VTA1 homolog
XP_003446859.1 vacuolar protein-sorting-associated protein 36-like
XP_682807.5 valine--tRNA ligase
XP_004078049.1 valine--tRNA ligase-like
XP_003450645.1 valyl-tRNA synthetase-like
XP_003443007.1 vam6/Vps39-like protein-like
XP_003202764.1 vang-like protein 1-like
XP_002661307.2 vascular cell adhesion protein 1 isoform X1
XP_003970269.1 vascular endothelial growth factor A-like
XP_003439808.1 vascular endothelial growth factor receptor 2-like
XP_003445218.1 vascular endothelial growth factor receptor kdr-like
XP_003971145.1 vascular endothelial zinc finger 1-like
XP_003437881.1 vasoactive intestinal polypeptide receptor 1-like
XP_003968044.1 vasoactive intestinal polypeptide receptor-like
XP_003799563.1 vasodilator-stimulated phosphoprotein
XP_003200451.1 vasohibin-1-like
XP_003441346.1 vasopressin V2 receptor-like
XP_797257.3 vegetative incompatibility protein HET-E-1-like
XP_001366111.2 ventral anterior homeobox 2-like
XP_001511704.2 versican core protein
XP_003443907.1 very long-chain acyl-CoA synthetase-like
XP_003967759.1 very long-chain acyl-CoA synthetase-like isoform 1
XP_003458925.1 very long-chain specific acyl-CoA dehydrogenase, mitochondrial-like
XP_003440112.1 very low-density lipoprotein receptor
XP_418620.2 very-long-chain (3R)-3-hydroxyacyl-
XP_001921351.1 very-long-chain enoyl-CoA reductase
XP_427969.3 vesicle amine transport protein 1 homolog (T. californica)-like isoform X2
XP_689248.3 vesicle transport protein SEC20 isoformX1
XP_003970556.1 vesicle transport protein SEC20-like
XP_003441055.1 vesicle transport protein SFT2A-like
XP_004084555.1 vesicle transport protein USE1-like
XP_003208640.1 vesicle-associated membrane protein 4-like
XP_003448710.1 vesicle-fusing ATPase
XP_003446511.1 vesicle-fusing ATPase-like
XP_003451346.1 vesicle-trafficking protein SEC22b-B-like isoform 1
XP_707343.1 vesicle-trafficking protein SEC22c isoform 2
XP_002666767.2 vesicular glutamate transporter 1-like
XP_003993158.1 vesicular glutamate transporter 2
XP_003773684.1 vesicular glutamate transporter 2 isoform 1
XP_003910170.1 vesicular glutamate transporter 2-like
XP_002936892.1 vesicular glutamate transporter 3 isoform X1
XP_003444903.1 vesicular inhibitory amino acid transporter-like
XP_003447678.1 vesicular integral-membrane protein VIP36-like
XP_003451921.1 vestarin-D1-like
XP_683005.2 vigilin isoform 2
XP_003227281.1 vigilin-like
XP_004067679.1 vigilin-like isoform 1
XP_682946.3 villin-1-like
XP_003257598.2 vimentin
XP_003200663.1 vimentin isoform X1
XP_001338547.1 vimentin-like
XP_699560.1 vimentin-type intermediate filament-associated coiled-coil protein-like
XP_002664082.2 vinculin-like
XP_003441292.1 vinculin-like isoform 2
XP_004077232.1 vinculin-like isoform 4
XP_003964138.1 vinculin-like isoform 6
XP_004072722.1 vinexin-like
XP_003455620.1 VIP36-like protein-like
XP_003969129.1 visinin-like protein 1-like
XP_003204016.1 visual pigment-like receptor peropsin-like
XP_003449167.1 vitamin D3 receptor A-like
XP_003444364.1 vitamin K-dependent gamma-carboxylase-like
XP_003976494.1 vitamin K-dependent protein C-like
XP_004067116.1 vitamin K-dependent protein S-like
XP_693881.4 vitellogenin isoform X2
XP_002664110.2 vitrin
XP_004077605.1 vitrin-like
XP_003968527.1 vitronectin-like
XP_003271333.1 voltage-dependent anion-selective channel protein 2 isoform 2
XP_699850.2 voltage-dependent calcium channel gamma-1 subunit-like
XP_002199232.1 voltage-dependent calcium channel gamma-2 subunit isoform 1
XP_001500522.2 voltage-dependent calcium channel gamma-2 subunit-like
XP_693299.1 voltage-dependent calcium channel gamma-3 subunit-like
XP_001334133.2 voltage-dependent calcium channel gamma-4 subunit-like
XP_001111191.2 voltage-dependent calcium channel gamma-5 subunit-like
XP_001337872.1 voltage-dependent calcium channel gamma-5 subunit-like isoform X1

XP_001342833.1 voltage-dependent calcium channel gamma-6 subunit-like
XP_001342879.2 voltage-dependent calcium channel gamma-7 subunit
XP_003452765.1 voltage-dependent calcium channel gamma-7 subunit-like
XP_003450664.1 voltage-dependent calcium channel gamma-8 subunit-like
XP_004074095.1 voltage-dependent calcium channel gamma-8 subunit-like isoform 2
XP_003440621.1 voltage-dependent calcium channel subunit alpha-2/delta-1
XP_003967196.1 voltage-dependent calcium channel subunit alpha-2/delta-1-like
XP_004083215.1 voltage-dependent calcium channel subunit alpha-2/delta-1-like, partial
XP_002666248.2 voltage-dependent calcium channel subunit alpha-2/delta-2-like
XP_002663860.2 voltage-dependent calcium channel subunit alpha-2/delta-3 isoform X1
XP_003448335.1 voltage-dependent calcium channel subunit alpha-2/delta-3-like
XP_001920592.3 voltage-dependent calcium channel subunit alpha-2/delta-4
XP_003439590.1 voltage-dependent calcium channel subunit alpha-2/delta-4-like
XP_001373588.2 voltage-dependent L-type calcium channel subunit alpha-1C
XP_002822795.1 voltage-dependent L-type calcium channel subunit alpha-1C isoform 3
XP_004052564.1 voltage-dependent L-type calcium channel subunit alpha-1C-like
XP_003762669.1 voltage-dependent L-type calcium channel subunit alpha-1D
XP_003789438.1 voltage-dependent L-type calcium channel subunit alpha-1D isoform 1
XP_003459790.1 voltage-dependent L-type calcium channel subunit alpha-1D-like
XP_004071315.1 voltage-dependent L-type calcium channel subunit beta-1-like
XP_003442057.1 voltage-dependent L-type calcium channel subunit beta-1-like isoform 1
XP_003439018.1 voltage-dependent L-type calcium channel subunit beta-3-like
XP_687402.3 voltage-dependent L-type calcium channel subunit beta-4
XP_003207795.1 voltage-dependent L-type calcium channel subunit beta-4-like
XP_003963490.1 voltage-dependent L-type calcium channel subunit beta-4-like isoform 2
XP_003960990.1 voltage-dependent N-type calcium channel subunit alpha-1B-like
XP_698014.5 voltage-dependent P/Q-type calcium channel subunit alpha-1A
XP_004084269.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A-like
XP_004071769.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A-like, partial
XP_003219901.1 voltage-dependent R-type calcium channel subunit alpha-1E-like
XP_001920550.3 voltage-dependent T-type calcium channel subunit alpha-1G
XP_003438573.1 voltage-dependent T-type calcium channel subunit alpha-1G-like
XP_003456619.1 voltage-dependent T-type calcium channel subunit alpha-1H-like
XP_003452886.1 voltage-dependent T-type calcium channel subunit alpha-1I
XP_002662293.2 voltage-dependent T-type calcium channel subunit alpha-1I-like
XP_683674.2 voltage-gated potassium channel subunit beta-1
XP_003416184.1 voltage-gated potassium channel subunit beta-1 isoform 2
XP_003794179.1 voltage-gated potassium channel subunit beta-1 isoform 3
XP_003642557.1 voltage-gated potassium channel subunit beta-2 isoform X2
XP_003454580.1 voltage-gated potassium channel subunit beta-2-like isoform 3
XP_003446828.1 voltage-gated potassium channel subunit beta-3-like
XP_001334811.4 vomeronasal type-2 receptor 1
XP_003458962.1 vomeronasal type-2 receptor 1-like
XP_003449186.1 von Willebrand factor A domain-containing protein 1-like
XP_696796.2 von Willebrand factor A domain-containing protein 1-like isoform X2
XP_695815.4 von Willebrand factor A domain-containing protein 2
XP_003441981.1 von Willebrand factor A domain-containing protein 2-like
XP_004021240.1 von Willebrand factor A domain-containing protein 3A
XP_003210761.1 von Willebrand factor A domain-containing protein 3A-like, partial
XP_003201437.1 von Willebrand factor A domain-containing protein 5A-like
XP_692918.4 von Willebrand factor A domain-containing protein 5B1
XP_003437993.1 von Willebrand factor A domain-containing protein 5B2-like
XP_003197747.1 von Willebrand factor A domain-containing protein 7-like
XP_003437887.1 von Willebrand factor C domain-containing protein 2-like
XP_001345360.3 von Willebrand factor D and EGF domain-containing protein-like
XP_002666282.1 von Willebrand factor D and EGF domain-containing protein-like, partial
XP_003197765.1 VPS10 domain-containing receptor SorCS1, partial
XP_003454688.1 VPS10 domain-containing receptor SorCS1-like
XP_003458227.1 VPS10 domain-containing receptor SorCS2
XP_004080087.1 VPS10 domain-containing receptor SorCS2-like
XP_003454687.1 VPS10 domain-containing receptor SorCS3
XP_003197764.1 VPS10 domain-containing receptor SorCS3, partial
XP_003218545.1 VPS10 domain-containing receptor SorCS3-like
XP_002665090.1 v-set and immunoglobulin domain-containing protein 10-like
XP_003450496.1 v-set and immunoglobulin domain-containing protein 1-like
XP_004086929.1 v-set and transmembrane domain-containing protein 2A-like
XP_001381772.1 v-set and transmembrane domain-containing protein 2-like protein-like
XP_002664062.2 v-set and transmembrane domain-containing protein 4
XP_003199259.1 v-set domain-containing T-cell activation inhibitor 1-like
XP_003442085.1 V-type proton ATPase 116 kDa subunit a isoform 1-like isoform 1
XP_003454092.1 V-type proton ATPase 116 kDa subunit a isoform 1-like isoform 2
XP_003454093.1 V-type proton ATPase 116 kDa subunit a isoform 1-like isoform 3
XP_004073347.1 V-type proton ATPase 116 kDa subunit a isoform 2-like
XP_001922910.3 v-type proton ATPase 116 kDa subunit a isoform 3-like
XP_003790961.1 V-type proton ATPase 16 kDa proteolipid subunit
XP_002666686.1 V-type proton ATPase catalytic subunit A
XP_003212467.1 v-type proton ATPase subunit B, brain isoform-like
XP_003200447.1 v-type proton ATPase subunit C 1-A-like
XP_003445569.1 V-type proton ATPase subunit C 1-B-like

XP_004015638.1 V-type proton ATPase subunit d 1
 XP_003456933.1 V-type proton ATPase subunit d 1-like
 XP_003447105.1 V-type proton ATPase subunit E 1-like
 XP_003452116.1 V-type proton ATPase subunit E 1-like isoform 1
 XP_003454184.1 V-type proton ATPase subunit e 2-like
 XP_003978974.1 V-type proton ATPase subunit F-like
 XP_001339012.2 v-type proton ATPase subunit S1
 XP_001340624.2 V-type proton ATPase subunit S1-like
 XP_003452390.1 VWFA and cache domain-containing protein 1
 XP_003974453.1 VWFA and cache domain-containing protein 1-like
 XP_003967234.1 WAP four-disulfide core domain protein 1-like
 XP_003217358.1 WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 2-like
 XP_003972603.1 WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein-like
 XP_003442597.1 WAS/WASL-interacting protein family member 2-like
 XP_694117.3 WASH complex subunit 7-like
 XP_004083119.1 WASH complex subunit CCDC53-like
 XP_003199764.1 WASH complex subunit FAM21A isoform X1
 XP_001334115.4 WASP homolog-associated protein with actin, membranes and microtubules-like
 XP_003966045.1 WD and tetratricopeptide repeats protein 1-like
 XP_004075764.1 WD repeat and FYVE domain-containing protein 1-like
 XP_003444515.1 WD repeat and FYVE domain-containing protein 3
 XP_004072976.1 WD repeat and FYVE domain-containing protein 3-like
 XP_701288.5 WD repeat- and FYVE domain-containing protein 4
 XP_003208061.1 WD repeat- and FYVE domain-containing protein 4-like
 XP_003454371.1 WD repeat and HMG-box DNA-binding protein 1-like
 XP_002710093.1 WD repeat domain 35
 XP_003964467.1 WD repeat domain phosphoinositide-interacting protein 2-like
 XP_003438700.1 WD repeat domain phosphoinositide-interacting protein 3-like
 XP_687231.3 WD repeat-containing protein 11
 XP_004077624.1 WD repeat-containing protein 11-like
 XP_003217207.1 WD repeat-containing protein 16-like
 XP_684320.1 WD repeat-containing protein 19 isoform X3
 XP_002124215.1 WD repeat-containing protein 19-like
 XP_003224119.1 WD repeat-containing protein 20-like
 XP_003962554.1 WD repeat-containing protein 20-like isoform 1
 XP_003438499.1 WD repeat-containing protein 24-like
 XP_003453298.1 WD repeat-containing protein 25-like
 XP_003791057.1 WD repeat-containing protein 26
 XP_003440786.1 WD repeat-containing protein 26-like
 XP_001511461.2 WD repeat-containing protein 35
 XP_003440104.1 WD repeat-containing protein 36
 XP_002941693.1 WD repeat-containing protein 38
 XP_004081424.1 WD repeat-containing protein 3-like
 XP_003438892.1 WD repeat-containing protein 46
 XP_001922619.3 WD repeat-containing protein 47
 XP_003769763.1 WD repeat-containing protein 47 isoform 2
 XP_003438001.1 WD repeat-containing protein 47-like
 XP_685972.4 WD repeat-containing protein 49-like
 XP_003454892.1 WD repeat-containing protein 53-like
 XP_003456112.1 WD repeat-containing protein 54-like
 XP_003437789.1 WD repeat-containing protein 59
 XP_003969743.1 WD repeat-containing protein 59-like
 XP_002664595.1 WD repeat-containing protein 62 isoform X3
 XP_699579.3 WD repeat-containing protein 62 isoformX2
 XP_003801279.1 WD repeat-containing protein 65
 XP_003770407.1 WD repeat-containing protein 65, partial
 XP_697723.4 WD repeat-containing protein 66
 XP_695006.1 WD repeat-containing protein 67
 XP_003443681.1 WD repeat-containing protein 67-like
 XP_003440236.1 WD repeat-containing protein 7
 XP_003121502.3 WD repeat-containing protein 7, partial
 XP_003453952.1 WD repeat-containing protein 70-like
 XP_003458410.1 WD repeat-containing protein 75-like
 XP_002667373.1 WD repeat-containing protein 7-like
 XP_701317.5 WD repeat-containing protein 7-like, partial
 XP_002664681.1 WD repeat-containing protein 81-like isoform X1
 XP_003973436.1 WD repeat-containing protein 82-like
 XP_004072845.1 WD repeat-containing protein 85-like
 XP_001509214.2 WD repeat-containing protein 88-like
 XP_003201394.1 WD repeat-containing protein 90
 XP_003440273.1 WD repeat-containing protein 91-like
 XP_003438371.1 WD repeat-containing protein 92-like
 XP_697139.3 WD repeat-containing protein 96
 XP_002665237.1 WD repeat-containing protein C2orf86-like
 XP_003444836.1 WD repeat-containing protein WRAP73
 XP_004070407.1 WD repeat-containing protein WRAP73-like
 XP_001498100.3 WD40 repeat-containing protein SMU1
 XP_003443420.1 WD40 repeat-containing protein SMU1-like
 XP_002939304.1 Werner syndrome ATP-dependent helicase homolog

XP_003198683.1 whirlin
XP_002665968.2 whirlin-like
XP_003965165.1 whirlin-like, partial
XP_003971103.1 Williams-Beuren syndrome chromosomal region 27 protein-like
XP_004067546.1 Wilms tumor protein 1-interacting protein homolog
XP_003442281.1 Wilms tumor protein homolog
XP_003449476.1 wings apart-like protein homolog
XP_001335802.4 wiskott-Aldrich syndrome protein family member 1, partial
XP_004083538.1 wiskott-Aldrich syndrome protein family member 1-like
XP_003968932.1 wiskott-Aldrich syndrome protein family member 2-like
XP_004012344.1 wiskott-Aldrich syndrome protein family member 3
XP_003200954.1 wiskott-Aldrich syndrome protein family member 3-like
XP_003439179.1 wiskott-Aldrich syndrome protein-like
XP_783155.2 wnt inhibitory factor 1-like
XP_684510.2 wolframin isoform X2
XP_003200344.1 WSC domain-containing protein 1-like
XP_693820.2 WSC domain-containing protein 1-like isoform X5
XP_003451691.1 WSC domain-containing protein 2-like
XP_691360.5 wu:fb25b09
XP_002665508.1 wu:fb37g07
XP_696898.4 wu:fb77e12
XP_003200416.1 wu:fb77g05 isoform 2
XP_698531.3 wu:fb77g05 isoform 3
XP_003197659.1 wu:fc18f06
XP_003198869.1 wu:fc26h06
XP_701004.4 wu:fc51b03
XP_001332508.1 wu:fk36e11
XP_003964415.1 WW domain-binding protein 11-like
XP_003446661.1 WW domain-binding protein 4-like
XP_003440598.1 WW domain-containing oxidoreductase-like
XP_003641834.1 WW domain-containing transcription regulator protein 1
XP_003970168.1 xaa-Pro aminopeptidase 2-like
XP_003437601.1 xaa-Pro dipeptidase
XP_688983.3 xanthine dehydrogenase/oxidase
XP_001374601.2 xenotropic and polytropic retrovirus receptor 1
XP_003456363.1 XIAP-associated factor 1-like
XP_684609.3 xin actin-binding repeat-containing protein 1-like isoform X4
XP_688205.4 xin actin-binding repeat-containing protein 2 isoform X2
XP_003458298.1 XK-related protein 5-like
XP_003200349.1 XK-related protein 6-like
XP_003200650.1 XK-related protein 8-like
XP_003451845.1 X-linked interleukin-1 receptor accessory protein-like 2-like
XP_685964.5 X-linked retinitis pigmentosa GTPase regulator isoform X4
XP_003755867.1 X-linked retinitis pigmentosa GTPase regulator-interacting protein 1
XP_003200914.1 x-ray radiation resistance-associated protein 1-like
XP_002733062.1 X-ray repair complementing defective repair in Chinese hamster cells 1-like
XP_004081756.1 X-ray repair cross-complementing protein 5
XP_003199637.1 X-ray repair cross-complementing protein 5-like isoform X1
XP_003453789.1 xylosyltransferase 1-like
XP_003454038.1 xylosyltransferase 2
XP_003444215.1 Y+L amino acid transporter 1-like
XP_003437766.1 Y+L amino acid transporter 2-like
XP_001095820.2 YEATS domain-containing protein 2-like
XP_001492273.2 YEATS domain-containing protein 4-like
XP_003439906.1 yjeF N-terminal domain-containing protein 3-like
XP_003200727.1 YLP motif-containing protein 1
XP_002721618.1 YTH domain containing 2
XP_002660447.1 zeta-sarcoglycan-like
XP_003444217.1 zinc finger and BTB domain-containing protein 10-like
XP_002822560.1 zinc finger and BTB domain-containing protein 16
XP_698274.3 zinc finger and BTB domain-containing protein 16-A-like
XP_003201251.1 zinc finger and BTB domain-containing protein 17-like
XP_002665485.1 zinc finger and BTB domain-containing protein 22-like
XP_695788.1 zinc finger and BTB domain-containing protein 25
XP_001343400.2 zinc finger and BTB domain-containing protein 3
XP_001339146.1 zinc finger and BTB domain-containing protein 38
XP_004075866.1 zinc finger and BTB domain-containing protein 38-like
XP_693418.2 zinc finger and BTB domain-containing protein 39-like
XP_699818.5 zinc finger and BTB domain-containing protein 40-like
XP_699124.4 zinc finger and BTB domain-containing protein 46
XP_696166.2 zinc finger and BTB domain-containing protein 48
XP_003212242.1 zinc finger and BTB domain-containing protein 48-like
XP_003128899.1 zinc finger and BTB domain-containing protein 49
XP_003973635.1 zinc finger and BTB domain-containing protein 49-like
XP_694029.3 zinc finger and BTB domain-containing protein 7A isoform X4
XP_003451044.1 zinc finger and BTB domain-containing protein 7A-like
XP_003200858.1 zinc finger and BTB domain-containing protein 7C-like
XP_001333686.2 zinc finger and SCAN domain-containing protein 10 isoform X1
XP_003198023.1 zinc finger and SCAN domain-containing protein 12-like isoform X1

XP_003891594.1 zinc finger and SCAN domain-containing protein 20
XP_003458803.1 zinc finger and SCAN domain-containing protein 21-like
XP_004069322.1 zinc finger and SCAN domain-containing protein 22-like
XP_003224634.1 zinc finger and SCAN domain-containing protein 2-like
XP_001923557.1 zinc finger and SCAN domain-containing protein 5B-like
XP_003200465.1 zinc finger B-box domain-containing protein 1
XP_003241729.1 zinc finger BED domain-containing protein 1-like
XP_002666517.2 zinc finger BED domain-containing protein 4
XP_003389183.1 zinc finger BED domain-containing protein 4-like
XP_001947526.2 zinc finger BED domain-containing protein 4-like, partial
XP_003460684.1 zinc finger BED domain-containing protein 5-like, partial
XP_002752806.1 zinc finger C3H1 domain-containing protein
XP_003458350.1 zinc finger C3H1 domain-containing protein-like
XP_420173.3 zinc finger C4H2 domain-containing protein isoform X4
XP_003412738.1 zinc finger C4H2 domain-containing protein-like
XP_001516001.2 zinc finger CCCH domain-containing protein 15-like
XP_414199.2 zinc finger CCCH domain-containing protein 18 isoform X5
XP_689680.3 zinc finger CCCH domain-containing protein 3
XP_003454080.1 zinc finger CCCH domain-containing protein 3-like
XP_687737.5 zinc finger CCCH domain-containing protein 6-like
XP_003442233.1 zinc finger CCCH domain-containing protein 7A
XP_685966.5 zinc finger CCCH domain-containing protein 7B
XP_001343417.2 zinc finger CCCH domain-containing protein 7B-like
XP_003588037.1 zinc finger CCHC domain-containing protein 24-like
XP_004086818.1 zinc finger CCHC domain-containing protein 4-like
XP_004065887.1 zinc finger CCHC domain-containing protein 7-like
XP_003210988.1 zinc finger CCHC domain-containing protein 8-like, partial
XP_003439519.1 zinc finger CCHC domain-containing protein 9-like
XP_002817801.2 zinc finger CW-type PWWP domain protein 1-like, partial
XP_004005438.1 zinc finger E-box-binding homeobox 2
XP_003458435.1 zinc finger E-box-binding homeobox 2-like
XP_003966711.1 zinc finger E-box-binding homeobox 2-like isoform 1
XP_001344703.1 zinc finger FYVE domain-containing protein 1 isoform 1
XP_003965467.1 zinc finger FYVE domain-containing protein 16-like
XP_003447869.1 zinc finger FYVE domain-containing protein 19-like
XP_691596.5 zinc finger FYVE domain-containing protein 1-like
XP_003206801.1 zinc finger FYVE domain-containing protein 21-like
XP_003447841.1 zinc finger FYVE domain-containing protein 21-like isoform 2
XP_003199781.1 zinc finger FYVE domain-containing protein 26
XP_003445473.1 zinc finger FYVE domain-containing protein 26-like
XP_003340117.1 zinc finger FYVE domain-containing protein 9
XP_001344504.2 zinc finger FYVE domain-containing protein 9 isoform X1
XP_003990235.1 zinc finger FYVE domain-containing protein 9-like
XP_692222.3 zinc finger homeobox protein 3
XP_004067146.1 zinc finger homeobox protein 3-like
XP_684360.5 zinc finger homeobox protein 4-like isoform X5
XP_003451971.1 zinc finger matrin-type protein 4-like
XP_002186938.1 zinc finger matrin-type protein 5
XP_002663713.1 zinc finger MIZ domain-containing protein 2-like
XP_003246247.1 zinc finger MYM-type protein 1-like
XP_003390654.1 zinc finger MYM-type protein 1-like, partial
XP_003962274.1 zinc finger MYM-type protein 2-like
XP_417783.3 zinc finger MYM-type protein 4 isoform X6
XP_004086658.1 zinc finger MYM-type protein 6-like
XP_003448361.1 zinc finger MYND domain-containing protein 10-like
XP_003458109.1 zinc finger MYND domain-containing protein 11-like
XP_001366019.1 zinc finger MYND domain-containing protein 15 isoform 2
XP_003201408.1 zinc finger MYND domain-containing protein 17-like
XP_003200426.1 zinc finger protein 106 homolog
XP_003753807.1 zinc finger protein 106-like
XP_003508403.1 zinc finger protein 112-like
XP_003198345.1 zinc finger protein 135
XP_001368840.2 zinc finger protein 135-like
XP_689880.2 zinc finger protein 135-like isoform X5
XP_690036.3 zinc finger protein 142
XP_003962179.1 zinc finger protein 142-like
XP_003455458.1 zinc finger protein 143-like
XP_004081745.1 zinc finger protein 148-like
XP_003122336.2 zinc finger protein 160-like
XP_003767094.1 zinc finger protein 160-like, partial
XP_701006.4 zinc finger protein 167-like
XP_003451980.1 zinc finger protein 16-like
XP_696961.2 zinc finger protein 16-like isoform 2
XP_001503348.3 zinc finger protein 18
XP_003406484.1 zinc finger protein 180-like
XP_001377654.2 zinc finger protein 184-like
XP_003766895.1 zinc finger protein 184-like, partial
XP_001380732.2 zinc finger protein 18-like
XP_003441383.1 zinc finger protein 205-like

XP_004078238.1 zinc finger protein 208-like
XP_003919844.1 zinc finger protein 214 isoform 2
XP_003201271.1 zinc finger protein 217-like isoform X1
XP_001922926.2 zinc finger protein 226-like
XP_003228694.1 zinc finger protein 229-like
XP_003972124.1 zinc finger protein 235-like
XP_003443684.1 zinc finger protein 236
XP_004086706.1 zinc finger protein 236-like
XP_004082654.1 zinc finger protein 238.2-like
XP_698650.1 zinc finger protein 251
XP_003398878.1 zinc finger protein 268-like
XP_002917645.1 zinc finger protein 271-like
XP_003759274.1 zinc finger protein 271-like, partial
XP_003502277.1 zinc finger protein 277-like
XP_684543.3 zinc finger protein 280D isoform X5
XP_003342247.1 zinc finger protein 283-like
XP_001370089.2 zinc finger protein 287-like
XP_002726661.2 zinc finger protein 28-like
XP_003962751.1 zinc finger protein 292-like
XP_695193.5 zinc finger protein 295
XP_003759097.1 zinc finger protein 2-like
XP_003934080.1 zinc finger protein 300
XP_003340884.1 zinc finger protein 30-like
XP_001332131.2 zinc finger protein 319 isoform X1
XP_001923338.2 zinc finger protein 319-like
XP_004078730.1 zinc finger protein 331-like
XP_003449169.1 zinc finger protein 341
XP_003199560.1 zinc finger protein 346-like isoform X1
XP_003341173.1 zinc finger protein 347-like
XP_001342735.1 zinc finger protein 350
XP_002665468.1 zinc finger protein 36, C3H1 type-like 1-like
XP_003963664.1 zinc finger protein 36, C3H1 type-like 2-A-like
XP_003446203.1 zinc finger protein 366
XP_002664231.1 zinc finger protein 37
XP_003200222.1 zinc finger protein 384-like isoform X1
XP_001921750.2 zinc finger protein 385A-like
XP_002199631.1 zinc finger protein 385B
XP_003448285.1 zinc finger protein 385B-like
XP_001921908.1 zinc finger protein 385C isoform X1
XP_004071616.1 zinc finger protein 385D-like
XP_003965088.1 zinc finger protein 397-like
XP_001340699.3 zinc finger protein 40
XP_004086710.1 zinc finger protein 407-like
XP_001922408.2 zinc finger protein 420-like
XP_003979733.1 zinc finger protein 420-like, partial
XP_003459366.1 zinc finger protein 430-like
XP_001920581.1 zinc finger protein 432
XP_002828748.2 zinc finger protein 433
XP_003455625.1 zinc finger protein 436-like
XP_003456297.1 zinc finger protein 43-like
XP_001923170.1 zinc finger protein 451 isoform X1
XP_002731158.1 zinc finger protein 45-like
XP_002665876.2 zinc finger protein 462-like
XP_003421133.1 zinc finger protein 484-like
XP_003199041.1 zinc finger protein 507-like
XP_004070804.1 zinc finger protein 512B-like
XP_696624.1 zinc finger protein 513 isoform X2
XP_697406.4 zinc finger protein 513-like
XP_001339026.1 zinc finger protein 518A
XP_003977032.1 zinc finger protein 518A-like
XP_003205954.1 zinc finger protein 518B-like
XP_002713655.1 zinc finger protein 521
XP_003437944.1 zinc finger protein 521-like
XP_002925773.1 zinc finger protein 532-like
XP_693857.3 zinc finger protein 536 isoform X3
XP_003765214.1 zinc finger protein 541-like isoform 2
XP_002665938.1 zinc finger protein 567-like
XP_003339869.1 zinc finger protein 568-like
XP_003966385.1 zinc finger protein 569-like
XP_003340985.1 zinc finger protein 570-like
XP_694427.4 zinc finger protein 574-like
XP_692110.2 zinc finger protein 600
XP_002661362.2 zinc finger protein 607-like
XP_004066919.1 zinc finger protein 609-like isoform 1
XP_003340919.1 zinc finger protein 616-like
XP_003946497.1 zinc finger protein 624-like
XP_004071419.1 zinc finger protein 629-like
XP_004066328.1 zinc finger protein 630-like
XP_002666563.1 zinc finger protein 64 homolog, isoforms 1 and 2

XP_003439095.1 zinc finger protein 64 homolog, isoforms 1 and 2-like
XP_689700.2 zinc finger protein 646 isoform X2
XP_004084942.1 zinc finger protein 646-like
XP_004068312.1 zinc finger protein 648-like
XP_002713103.1 zinc finger protein 651
XP_685749.4 zinc finger protein 652 isoform X3
XP_004018643.1 zinc finger protein 652-A-like
XP_004081124.1 zinc finger protein 652-like
XP_003443200.1 zinc finger protein 653-like
XP_003995525.1 zinc finger protein 658
XP_003199213.1 zinc finger protein 681-like
XP_001340736.2 zinc finger protein 687
XP_003452545.1 zinc finger protein 687-like
XP_001922058.1 zinc finger protein 687-like isoform X1
XP_697292.4 zinc finger protein 696-like
XP_699131.3 zinc finger protein 697-like
XP_002666496.2 zinc finger protein 704
XP_003963413.1 zinc finger protein 704-like
XP_003735658.1 zinc finger protein 729
XP_003218100.1 zinc finger protein 729-like
XP_003766598.1 zinc finger protein 729-like, partial
XP_700305.4 zinc finger protein 740 isoform X22
XP_004066481.1 zinc finger protein 774-like
XP_002663341.2 zinc finger protein 782-like
XP_003435359.1 zinc finger protein 79
XP_003207107.1 zinc finger protein 804B-like
XP_001074445.3 zinc finger protein 827
XP_003449757.1 zinc finger protein 827-like
XP_003438160.1 zinc finger protein 830-like
XP_004069037.1 zinc finger protein 831-like
XP_003448736.1 zinc finger protein 845-like
XP_001198221.2 zinc finger protein 84-like
XP_003434523.1 zinc finger protein 850-like
XP_693848.3 zinc finger protein 862 isoform X2
XP_687655.4 zinc finger protein 90 homolog isoform X2
XP_001372853.2 zinc finger protein 91-like
XP_004069980.1 zinc finger protein AEBP2-like
XP_697231.2 zinc finger protein basonuclin-1-like
XP_003201296.1 zinc finger protein basonuclin-2-like
XP_001923862.2 zinc finger protein castor homolog 1
XP_003212318.1 zinc finger protein castor homolog 1-like, partial
XP_003447781.1 zinc finger protein DPF3-like
XP_003197758.1 zinc finger protein Gfi-1b-like
XP_003444303.1 zinc finger protein Gfi-1-like
XP_002812453.2 zinc finger protein GLI2
XP_003454742.1 zinc finger protein GLI2-like
XP_003966686.1 zinc finger protein GLI4-like
XP_002663149.2 zinc finger protein GLIS1
XP_002666356.2 zinc finger protein GLIS2-like
XP_002689658.1 zinc finger protein GLIS3
XP_003962056.1 zinc finger protein Helios-like
XP_003218627.1 zinc finger protein Pegasus-like isoform 2
XP_003459611.1 zinc finger protein RFP-like
XP_003962760.1 zinc finger protein Rlf-like
XP_003975308.1 zinc finger protein SNAI2-like
XP_003446910.1 zinc finger protein ubi-d4-like
XP_003448091.1 zinc finger protein with KRAB and SCAN domains 1-like
XP_004078886.1 zinc finger protein Xfin-like
XP_694698.3 zinc finger protein ZFAT
XP_003965905.1 zinc finger protein ZFPM2-like
XP_003445266.1 zinc finger protein ZIC 4-like
XP_003451668.1 zinc finger protein ZIC 5-like
XP_003212773.1 zinc finger protein ZPR1-like, partial
XP_002662446.1 zinc finger protein ZXDC
XP_002666261.2 zinc finger Ran-binding domain-containing protein 3-like
XP_002666212.1 zinc finger RNA-binding protein
XP_004068429.1 zinc finger RNA-binding protein-like
XP_535247.4 zinc finger SWIM domain-containing protein 6
XP_001234010.2 zinc finger SWIM domain-containing protein 6 isoform X1
XP_003460166.1 zinc finger SWIM domain-containing protein KIAA0913-like
XP_688842.3 zinc finger X-chromosomal protein
XP_691749.5 zinc finger Y-chromosomal protein 1-like
XP_004076753.1 zinc finger ZZ-type and EF-hand domain-containing protein 1-like
XP_004078102.1 zinc fingers and homeoboxes protein 1-like
XP_002663833.2 zinc fingers and homeoboxes protein 3
XP_003446414.1 zinc transporter 1-like
XP_001341989.1 zinc transporter 1-like isoform X1
XP_002811304.1 zinc transporter 2
XP_001381526.2 zinc transporter 5

XP_003440125.1 zinc transporter 5-like
 XP_004029123.1 zinc transporter 6
 XP_003455736.1 zinc transporter 6-like
 XP_003448821.1 zinc transporter 7-like
 XP_689129.4 zinc transporter 8-like
 XP_003445303.1 zinc transporter 9-like
 XP_003452744.1 zinc transporter SLC39A7-like
 XP_690258.2 zinc transporter ZIP10 isoform X3
 XP_003443362.1 zinc transporter ZIP10-like
 XP_004086493.1 zinc transporter ZIP14-like
 XP_001340102.4 zinc transporter ZIP14-like isoform X1
 XP_003452618.1 zinc transporter ZIP3-like
 XP_004085441.1 zinc transporter ZIP4-like
 XP_004082833.1 zinc transporter ZIP8-like
 XP_003454193.1 zinc/RING finger protein 3-like
 XP_003443744.1 zinc-binding alcohol dehydrogenase domain-containing protein 2-like
 XP_689812.2 zinc-binding protein A33
 XP_003200561.1 zinc-binding protein A33 isoform X1
 XP_001345023.1 zinc-binding protein A33-like
 XP_002660701.1 zinc-binding protein A33-like isoform X1
 XP_003457480.1 zona pellucida sperm-binding protein 3-like
 XP_003438185.1 zona pellucida sperm-binding protein 4-like
 XP_002665864.2 zona pellucida sperm-binding protein 4-like isoform X1
 XP_002667333.2 zona pellucida sperm-binding protein 4-like, partial
 XP_696211.3 zona pellucida-like domain-containing protein 1-like
 XP_003966819.1 zonadhesin-like
 XP_001340467.2 ZW10 interactor
 XP_004078246.1 zyxin-like
 NP_001038754.1 prefoldin subunit 2
 NP_001018460.1 prefoldin subunit 3
 NP_001187701.1 prefoldin subunit 4
 NP_001187568.1 prefoldin subunit 6
 ADM93270.1 pregnancy-associated plasma protein A
 NP_001103993.1 preimplantation protein 4-like
 NP_694503.1 prelamin-A/C
 NP_001018515.1 PRELI domain containing 1b
 NP_956660.1 PRELI domain-containing protein 1, mitochondrial
 NP_001006042.1 pre-mRNA 3'-end-processing factor FIP1
 NP_001007308.1 pre-mRNA cleavage complex 2 protein Pcf11
 NP_001025642.1 pre-mRNA processing factor 6
 NP_957270.2 pre-mRNA processing factor 8
 NP_958875.1 pre-mRNA-processing factor 19
 NP_001004520.1 pre-mRNA-processing factor 39
 CBN81564.1 pre-mRNA-splicing factor ATP-dependent RNA helicase DHX32
 NP_957170.1 pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16
 NP_998627.1 pre-mRNA-splicing factor CWC25 homolog
 EGW06978.1 Pre-mRNA-splicing factor RBM22
 NP_001007368.1 pre-mRNA-splicing factor SLU7
 NP_001188248.1 pre-mRNA-splicing factor spf27
 NP_001187758.1 pre-mRNA-splicing factor syl2
 NP_956147.1 pre-mRNA-splicing regulator WTAP
 NP_001017626.1 prenylcysteine oxidase precursor
 AFS88931.1 prepro-CART
 NP_001187244.1 preproghrelin-1 precursor
 NP_001015044.1 prepronociceptin b precursor
 AEZ56940.1 prepro-orexin
 AET87127.1 prepropeptide YY
 AAK97071.2 preprosomatostatin
 NP_991154.1 prepro-urotensin II-beta precursor
 NP_571099.1 presenilin-1
 NP_001133459.1 Presenilin-2
 NP_998652.1 presequence protease, mitochondrial precursor
 BAD92773.1 presynaptic protein SAP97 variant
 AAI63236.1 Prickle-like 2 (Drosophila)
 NP_899186.1 prickle-like protein 2
 AAI53662.1 Primase polypeptide 1
 AAW33661.1 prion protein
 AAH90443.1 PRKAG3 protein, partial
 NP_001070804.1 PRKCA-binding protein
 AAH75736.1 Prkci protein
 AAH44492.1 Prmt7 protein, partial
 BAB03287.1 pro-alpha 1 type V/XI collagen
 NP_001008619.1 probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial
 NP_001002401.1 probable 39S ribosomal protein L24, mitochondrial precursor
 NP_998035.1 probable 4-hydroxy-2-oxoglutarate aldolase, mitochondrial precursor
 NP_001002107.1 probable 7,8-dihydro-8-oxoguanine triphosphatase NUDT15
 NP_001133677.1 Probable aminopeptidase NPEPL1
 NP_956911.1 probable arginyl-tRNA synthetase, mitochondrial
 AEN04474.1 probable ATP-dependent helicase LGP2

NP_001007320.1 probable ATP-dependent RNA helicase DDX11
 NP_001002869.1 probable ATP-dependent RNA helicase DDX27
 NP_001070800.1 probable ATP-dependent RNA helicase DDX28
 NP_001018522.1 probable ATP-dependent RNA helicase DDX47
 NP_938179.1 probable ATP-dependent RNA helicase DDX49
 NP_001037780.1 probable ATP-dependent RNA helicase DDX52
 NP_001003876.1 probable ATP-dependent RNA helicase DDX56
 NP_001038443.2 probable ATP-dependent RNA helicase DDX59
 NP_001121805.1 probable ATP-dependent RNA helicase DHX34
 NP_001122016.1 probable ATP-dependent RNA helicase DHX36
 NP_001076473.2 probable ATP-dependent RNA helicase DHX37
 ACO09169.1 Probable Bax inhibitor-1
 ADO27733.1 probable c->u-editing enzyme apobec-2
 NP_001070769.1 probable carboxypeptidase PM20D1.2 precursor
 NP_001001403.2 probable cation-transporting ATPase 13A1
 NP_001073506.1 probable cation-transporting ATPase 13A2
 NP_956441.2 probable cytosolic iron-sulfur protein assembly protein ciao1
 NP_956167.1 probable D-lactate dehydrogenase, mitochondrial
 NP_001017647.1 probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glycosyltransferase
 NP_001139882.1 Probable D-tyrosyl-tRNA^{Tyr} deacylase 2
 NP_001139096.1 probable E3 ubiquitin-protein ligase HERC3
 EFN76150.1 Probable E3 ubiquitin-protein ligase HERC4
 NP_694510.1 probable E3 ubiquitin-protein ligase makorin-1
 ADO28108.1 probable e3 ubiquitin-protein ligase makorin-2
 NP_001038674.1 probable E3 ubiquitin-protein ligase RNF144A-A
 ACM09710.1 Probable ergosterol biosynthetic protein 28
 NP_001017611.2 probable flap endonuclease 1 homolog
 NP_001187836.1 probable fructose-26-bisphosphatase tigar a
 NP_571574.1 probable G protein-coupled receptor 85
 NP_001093467.1 probable global transcription activator SNF2L1
 NP_997881.1 probable global transcription activator SNF2L2 isoform 1
 NP_001038240.1 probable global transcription activator SNF2L2 isoform 2
 NP_001008042.1 probable glutamate--tRNA ligase, mitochondrial precursor
 NP_956516.1 probable glutathione peroxidase 8
 NP_001167236.1 Probable G-protein coupled receptor 132
 NP_001073488.1 probable G-protein coupled receptor 146
 NP_001029346.1 probable G-protein coupled receptor 157
 NP_001122289.1 probable G-protein coupled receptor 160
 NP_571573.1 probable G-protein coupled receptor 173
 NP_001122183.1 probable G-protein coupled receptor 176
 CBN81551.1 Probable G-protein coupled receptor 26
 NP_001076020.1 probable histone-lysine N-methyltransferase NSD2
 NP_001243139.1 probable hydrolase PNKD
 NP_001159825.2 probable imidazolonepropionase
 NP_001007415.1 probable inactive protein kinase-like protein SgK196
 ACN10760.1 Probable leucyl-tRNA synthetase, mitochondrial precursor
 NP_991223.1 probable lipid phosphate phosphatase PPAPDC3
 NP_001008612.1 probable lysosomal cobalamin transporter
 NP_001187820.1 probable n-acetyltransferase camello
 ADO27731.1 probable o-sialoglycoprotein endopeptidase
 NP_001135210.1 Probable oxidoreductase C10orf33
 NP_001167153.1 Probable palmitoyltransferase ZDHHC13
 NP_957336.1 probable palmitoyltransferase ZDHHC16
 NP_001003757.1 probable palmitoyltransferase ZDHHC23
 NP_001002324.1 probable palmitoyltransferase ZDHHC24
 NP_001133327.1 Probable palmitoyltransferase ZDHHC6
 NP_840089.2 probable palmitoyltransferase ZDHHC8
 NP_001013348.1 probable peptidyl-tRNA hydrolase
 NP_001003461.1 probable phosphatase phospho1
 CBN81959.1 Probable phospholipid-transporting ATPase
 NP_001139079.1 probable phospholipid-transporting ATPase VD
 NP_001002391.1 probable proline dehydrogenase 2
 NP_991118.1 probable prolyl-tRNA synthetase, mitochondrial
 XP_001347634.1 probable protein
 NP_001035427.1 probable ribosome biogenesis protein NEP1
 NP_001007345.1 probable RNA polymerase II nuclear localization protein SLC7A6OS
 NP_957087.1 probable RNA-binding protein 18
 NP_944597.1 probable RNA-binding protein 19
 NP_956762.1 probable RNA-binding protein EIF1AD
 ACO10013.1 Probable rRNA-processing protein EBP2
 NP_001133323.1 Probable saccharopine dehydrogenase
 NP_954972.1 probable serine carboxypeptidase CPVL precursor
 NP_001003502.1 probable serine protease HTRA3 precursor
 NP_001116709.1 probable serpin E3 precursor
 NP_001013487.1 probable signal peptidase complex subunit 2
 NP_001018308.1 probable sodium-coupled neutral amino acid transporter 6
 NP_001122159.1 probable tRNA pseudouridine synthase 1
 ADO28198.1 probable tRNA pseudouridine synthase 2
 NP_001007456.1 probable tRNA(His) guanylyltransferase

NP_001134106.1 Probable tRNAHis guanylyltransferase
 NP_001243693.1 probable tubulin polyglutamylase TTL9
 NP_956292.1 probable U3 small nucleolar RNA-associated protein 11
 NP_956948.1 probable UDP-sugar transporter protein SLC35A5
 ACO08895.1 Probable uracil phosphoribosyltransferase 1
 NP_001071018.1 probable vesicular acetylcholine transporter-A
 NP_996962.1 probable Xaa-Pro aminopeptidase 3
 AA165224.1 Proc protein
 AC134182.1 Procollagen C-endopeptidase enhancer 1 precursor
 NP_956754.1 procollagen C-endopeptidase enhancer 2 precursor
 NP_001122259.1 procollagen C-endopeptidase enhancer-like precursor
 NP_001123548.1 procollagen galactosyltransferase 2 precursor
 AAZ08241.1 procollagen lysine 2-oxoglutarate 5-dioxygenase 1
 AAH85460.1 Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2
 NP_001071210.2 procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor
 NP_001037808.1 procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor
 NP_001187865.1 prodynorphin precursor
 NP_878303.1 proenkephalin b precursor
 NP_956377.1 proenkephalin-A precursor
 NP_991294.1 pro-epidermal growth factor
 NP_001187480.1 profilin-2
 NP_001165515.1 progesterone receptor
 NP_001003575.1 progesterone-induced-blocking factor 1
 NP_001025319.1 progesterin and adipoQ receptor family member IIIb
 AAS57648.1 proglucagon I
 NP_001187117.1 proglucagon II precursor
 AAH56552.1 Programmed cell death 10a
 CAK04185.1 programmed cell death 4
 NP_998153.1 programmed cell death 4a
 AAH55177.1 Programmed cell death 6 interacting protein
 AAH93108.2 Programmed cell death 7
 AFJ49677.1 Programmed cell death protein 10
 ADO28370.1 programmed cell death protein 2
 NP_956517.1 programmed cell death protein 2-like
 NP_945329.1 programmed cell death protein 4
 ACB59380.1 progranulin type I
 CBN82097.1 Progressive ankylosis protein
 NP_919351.1 progressive ankylosis protein homolog B
 AFJ49409.1 Progressive ankylosis protein-like
 NP_958454.1 prohibitin
 NP_955975.1 prohibitin 2
 NP_001002681.2 prohibitin 2-like
 ACQ58466.1 Prohibitin-2
 AGC24764.1 prohormone convertase 2 copy 1
 ELW70706.1 Pro-interleukin-16
 NP_001166878.1 Prokineticin receptor 1-like
 NP_001166877.1 prokineticin receptor 2
 ABU49656.1 prolactin
 ACN60143.1 prolactin receptor
 NP_001106972.1 prolactin receptor b
 NP_001002638.1 prolactin regulatory element-binding protein
 NP_001108619.1 prolactin releasing hormone 2 receptor
 ACA13174.1 prolactin-like protein
 NP_001034615.1 prolactin-releasing peptide receptor
 AAA36398.1 proliferating cell nuclear protein P120, partial
 NP_001002070.1 proliferation-associated 2G4, a
 NP_997806.1 proliferation-associated 2G4-like
 ADX97052.1 proliferation-associated protein 2g4
 ACY24366.1 proliferator-activated receptor gamma coactivator 1 alpha, partial
 NP_001119881.1 proline synthase co-transcribed bacterial homolog protein
 NP_001167240.1 Proline-rich AKT1 substrate 1
 NP_989040.1 proline-rich coiled-coil 2C
 CBN81355.1 Proline-rich protein 12
 NP_001003478.1 proline-rich protein 15-like protein A
 NP_001187745.1 proline-rich protein 15-like protein-b
 NP_001134217.1 Proline-rich protein BCA3
 NP_001119912.1 proline-rich protein PRCC
 NP_001038681.1 proline-serine-threonine phosphatase-interacting protein 1
 EHH62375.1 Prolow-density lipoprotein receptor-related protein 1, partial
 AAK83137.1 prollyl 4-hydroxylase alpha subunit
 ELK03115.1 Prollyl 4-hydroxylase subunit alpha-2
 NP_001007286.1 prollyl 4-hydroxylase subunit alpha-2 precursor
 NP_001038463.1 prollyl 4-hydroxylase, alpha polypeptide I a precursor
 NP_999856.1 prollyl 4-hydroxylase, alpha polypeptide I b precursor
 NP_001018589.1 prollyl endopeptidase
 NP_001189471.1 pro-melanin concentrating hormone precursor
 NP_932337.1 prominin-1 precursor
 ADY04839.1 prominin-1a.s18 splice variant
 ADY04841.1 prominin-1a.s19 splice variant

ADY04840.1 prominin-1a.s20 splice variant
ADB90284.1 promyelocytic leukemia zinc finger protein
AAO17793.1 proopiomelanocortin
NP_001187105.1 proopiomelanocortin precursor
ADT91652.1 proorphanin
NP_001130019.1 Prop-1-like homeobox protein
NP_001002746.1 propionyl-CoA carboxylase alpha chain, mitochondrial
NP_998090.1 propionyl-CoA carboxylase beta chain, mitochondrial
NP_001159601.1 proprotein convertase subtilisin/kexin type 1 inhibitor, like precursor
EAW62577.1 proprotein convertase subtilisin/kexin type 5, isoform CRA_c
AAI62145.1 Proprotein convertase subtilisin/kexin type 5b
AFE70654.1 proprotein convertase subtilisin/kexin type 6 isoform b preproprotein, partial
ELK16877.1 Proprotein convertase subtilisin/kexin type 6, partial
NP_001076494.1 proprotein convertase subtilisin/kexin type 7 precursor
ABI93777.1 proprotein convertase subtilisin/kexin type5a
AAH63994.1 Prosaposin
NP_571480.2 prospero homeobox protein 1
NP_001165058.1 prospero-related homeobox gene 1b
ABN03942.1 prospero-related homeobox protein
ABC59225.1 prostacyclin synthase
NP_001186920.1 prostaglandin D2 synthase a precursor
NP_001159802.1 prostaglandin E receptor 1a (subtype EP1)
NP_001159805.1 prostaglandin E receptor 1b (subtype EP1)
NP_001159763.1 prostaglandin E receptor 1c (subtype EP1)
AAI27560.1 Prostaglandin E receptor 4 (subtype EP4) a
AAI71675.1 Prostaglandin E synthase 2-like
ABB88955.1 prostaglandin E2 receptor subtype EP2-like
NP_001172000.1 prostaglandin F receptor (FP)
NP_001098793.1 prostaglandin G/H synthase 1 precursor
NP_001020675.1 prostaglandin G/H synthase 2 precursor
NP_001008651.1 prostaglandin reductase 1
NP_001187784.1 prostaglandin reductase 2
NP_705943.1 prostaglandin-endoperoxide synthase 2 precursor
NP_001038880.1 prostaglandin-H2 D-isomerase precursor
NP_001002596.1 prostaticin precursor
NP_001099071.1 prostaticin-like precursor
NP_001232875.1 prostate stem cell antigen precursor-like
EDL34283.1 protease (prosome, macropain) 26S subunit, ATPase 5, isoform CRA_b
CAB39733.1 protease, reverse transcriptase, ribonuclease H, integrase
NP_989049.1 proteasomal ubiquitin receptor ADRM1
NP_989982.1 proteasomal ubiquitin receptor ADRM1 precursor
ACH70668.1 proteasome (prosome, macropain) 26S subunit non-ATPase 9
NP_001087723.1 proteasome (prosome, macropain) 26S subunit, non-ATPase, 7
NP_001177949.1 proteasome (prosome, macropain) activator subunit 4b
NP_001085788.1 proteasome (prosome, macropain) subunit, alpha type, 5
NP_001017573.2 proteasome 26S non-ATPase subunit 5
ABD85510.1 proteasome 26S subunit-like
NP_001244038.1 proteasome activator complex subunit 1
CBN82185.1 Proteasome activator complex subunit 2
AFO64919.1 proteasome activator complex subunit 3
NP_001233589.1 proteasome activator complex subunit 4
NP_001019612.1 proteasome alpha 2 subunit
ABD65502.1 proteasome alpha 7 subunit
ADO28177.1 proteasome assembly chaperone 1
NP_998197.1 proteasome assembly chaperone 2
NP_001187994.1 proteasome assembly chaperone 3
NP_001187636.1 proteasome assembly chaperone 4
BAD92707.1 proteasome beta 2 subunit variant
AFK10608.1 proteasome beta 4 subunit
NP_001002547.2 proteasome inhibitor PI31 subunit
ADO28412.1 proteasome maturation protein
ACI67379.1 Proteasome subunit alpha type-1
NP_001187506.1 proteasome subunit alpha type-2
ADO27884.1 proteasome subunit alpha type-3
AFK10977.1 proteasome subunit alpha type-3-like protein
NP_001187798.1 proteasome subunit alpha type-6
BAL46039.1 proteasome subunit beta 5tb
ACO07859.1 Proteasome subunit beta type 4 precursor
ACO09878.1 Proteasome subunit beta type 6 precursor
ELW69084.1 Proteasome subunit beta type-1
NP_001007179.1 proteasome subunit beta type-11
ACO13854.1 Proteasome subunit beta type-1-A
NP_001002609.1 proteasome subunit beta type-2
ADO27969.1 proteasome subunit beta type-5
ACO13255.1 Proteasome subunit beta type-6 precursor
ADO27820.1 proteasome subunit beta type-7
ADX97068.1 proteasome subunit beta type-7 precursor
NP_571467.2 proteasome subunit beta type-8
NP_571466.1 proteasome subunit beta type-9

ADO27806.1 proteasome subunit beta type-9-a like protein
 ELR48474.1 Proteasome-associated protein ECM29-like protein
 NP_001232889.1 protection of telomeres protein 1
 NP_001017819.1 protein AF-9
 NP_957412.2 protein AMBP precursor
 NP_001187317.1 protein AMN1 homolog
 NP_001025131.1 protein angel homolog 2
 NP_001012959.1 protein APCDD1 precursor
 NP_001187153.1 protein archease
 NP_001244041.1 protein arginine methyltransferase
 NP_001124239.1 protein arginine methyltransferase 10 (putative)
 NP_001116399.1 protein arginine methyltransferase 5
 AEU08948.1 protein arginine methyltransferase, partial
 NP_001073644.1 protein arginine N-methyltransferase 2
 NP_001017655.1 protein arginine N-methyltransferase 3
 NP_001157460.1 protein arginine N-methyltransferase 6
 NP_956797.2 protein arginine N-methyltransferase 7
 ELK02584.1 Protein arginine N-methyltransferase 8
 NP_001038507.1 protein arginine N-methyltransferase 8-B
 NP_001239488.1 protein argonaute-4
 NP_998308.1 protein ariadne-2 homolog
 NP_001038566.1 protein artemis
 NP_001107083.1 protein ARV1
 NP_001092900.1 protein asteroid homolog 1
 NP_001073460.2 protein atonal homolog 8
 NP_001007451.1 protein aurora borealis
 NP_001069088.1 protein BANP
 NP_001104648.1 protein BAT5
 NP_001257483.1 protein brambleberry precursor
 NP_570997.1 protein BTG2
 NP_001167214.1 protein canopy 4 precursor
 NP_001034894.2 protein canopy homolog 3 precursor
 NP_001188034.1 protein canopy-1 precursor
 EGW10453.1 Protein capicua-like
 NP_991279.1 protein CASC3
 ELW48160.1 Protein CASC5
 NP_001070244.2 protein CBFA2T1
 NP_001003996.1 protein cereblon
 NP_001017558.1 protein C-ets-1
 NP_001133561.1 protein C-ets-2
 NP_001188040.1 protein CLN8
 NP_001187877.1 protein CREG1 precursor
 NP_001128607.1 protein DBF4 homolog A
 ELK14176.1 Protein DBF4 like protein B
 NP_001038741.1 protein DEK
 NP_001120779.1 protein deltex-2
 NP_956822.2 protein deltex-3
 EGW08293.1 Protein deltex-3-like
 NP_001082799.1 protein DGCR14
 NP_991302.1 protein DGCR6
 NP_989541.1 protein diaphanous homolog 1
 ELK10010.1 Protein diaphanous like protein 3
 EGV92267.1 Protein diaphanous-like 3
 NP_997965.1 protein dispatched homolog 1
 NP_997599.1 protein dispatched homolog 2
 NP_001003517.1 protein disulfide-isomerase A3 precursor
 NP_956073.1 protein disulfide-isomerase A4 precursor
 NP_001107048.1 protein disulfide-isomerase A5 precursor
 AFL70280.1 protein disulfide-isomerase A6
 NP_998529.3 protein disulfide-isomerase precursor
 NP_001018393.2 protein disulfide-isomerase TMX3 precursor
 CBN82123.1 Protein disulfide-isomerase TMX3, partial
 NP_001035331.1 protein disulfide-isomerase-like protein of the testis precursor
 NP_001005938.1 protein DJ-1
 NP_001002868.1 protein dpy-19 homolog 1
 ELK38192.1 Protein dpy-19 like protein 4
 NP_001070782.1 protein Dr1
 NP_571023.1 protein DVR-1 precursor
 NP_957121.1 protein EFR3 homolog A
 NP_505614.3 Protein EGL-3, isoform b
 NP_956278.1 protein EMSY
 NP_001070081.1 protein FAM102A
 EHB18198.1 Protein FAM103A1
 NP_001020345.1 protein FAM110B
 NP_001082796.1 protein FAM115
 CBN80650.1 Protein FAM116A
 NP_956359.1 protein FAM116B
 NP_001073547.1 protein FAM132A precursor
 EHB14583.1 Protein FAM13A

NP_001093565.1 protein FAM151A
 NP_001071234.1 protein FAM160B2
 NP_001020721.1 protein FAM167A
 NP_956712.1 protein FAM172A
 NP_001071224.1 protein FAM188A
 NP_001038936.1 protein FAM195B
 CBN81568.1 Protein FAM196A
 NP_001003766.1 protein FAM199X
 ELR58232.1 Protein FAM200A
 NP_001038394.1 protein FAM206A
 NP_001124252.1 protein FAM20A
 NP_001189349.1 protein FAM214A
 CBN82068.1 Protein FAM23A
 NP_0010082934.2 protein FAM26E
 EHB15851.1 Protein FAM38A
 NP_997890.1 protein FAM3C precursor
 ELK30768.1 Protein FAM40A
 ELK24452.1 Protein FAM40B
 NP_001004547.1 protein FAM43B
 NP_956801.2 protein FAM46C
 CBN82099.1 Protein FAM49B
 EGV95841.1 Protein FAM59B
 NP_001020702.1 protein FAM60A
 NP_001038491.1 protein FAM65B
 NP_001012517.1 protein FAM65C
 NP_001035444.1 protein FAM69A
 NP_001006090.1 protein FAM73A
 NP_001082824.1 protein FAM83D
 NP_001038555.1 protein FAM83H
 NP_956912.1 protein FAM84A
 NP_956735.1 protein FAM91A1
 NP_001003604.1 protein FAM92A1
 NP_001002128.1 protein farnesyltransferase subunit beta
 ELK18720.1 Protein furry like protein
 NP_034439.2 protein GNAS isoform XLas
 NP_001073515.1 protein GPR107 precursor
 NP_998133.1 protein HEG precursor
 NP_001091859.1 protein HEXIM
 NP_001038663.1 protein Hook homolog 1
 AEF32112.1 protein inhibitor of activated STAT y
 AAH53149.1 Protein inhibitor of activated STAT, 4-like
 NP_970614.1 protein Jade-3
 NP_571936.1 protein jagged-1a precursor
 NP_571938.1 protein jagged-1b precursor
 NP_571937.1 protein jagged-2 precursor
 NP_001005774.1 protein jagunal homolog 1-A
 EFN73161.1 Protein KIAA1881
 NP_001116417.1 protein kinase (cAMP-dependent, catalytic) inhibitor beta
 AAY84715.1 protein kinase A catalytic subunit
 AAM92837.1 protein kinase C
 NP_001087407.1 protein kinase C and casein kinase substrate in neurons 1
 NP_957283.1 protein kinase C and casein kinase substrate in neurons 3
 NP_001028900.1 protein kinase C and casein kinase substrate in neurons protein 1
 ELW64471.1 Protein kinase C and casein kinase substrate in neurons protein 2
 NP_001082839.2 protein kinase C theta type
 NP_001025262.1 protein kinase C zeta type
 ELV14162.1 Protein kinase C zeta type, partial
 CBN81068.1 Protein kinase C, delta
 NP_001038271.1 protein kinase C, eta, b
 EDM03370.1 protein kinase C, mu
 NP_001186081.1 protein kinase C-binding protein NELL2 precursor
 AES04739.1 protein kinase D3, partial
 NP_001155070.1 protein kinase domain-containing protein, cytoplasmic
 ADG57600.1 protein kinase HCK
 NP_001082929.1 protein kinase N1
 ABB22769.1 protein kinase N1 isoform 2, partial
 EDL12042.1 protein kinase N2, isoform CRA_a
 BAB39747.3 protein kinase raf 1
 NP_957317.1 protein kinase, cAMP-dependent, catalytic, beta a
 NP_001009989.1 protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) a
 AA124726.1 Protein kinase, cAMP-dependent, regulatory, type II, alpha A
 NP_001002041.1 protein KRII homolog
 ELV10714.1 Protein LBH
 NP_001037812.1 protein LCHN
 EHH20713.1 Protein lifeguard
 NP_001187420.1 protein lin-37 homolog
 NP_001018569.2 protein lin-7 homolog B
 NP_998102.1 protein L-Myc-1a
 NP_001038607.1 protein L-Myc-1b

NP_001133074.1 protein LOC562437-like
 NP_998313.1 protein LSM12 homolog A
 NP_956719.2 protein LSM14 homolog A
 AFI50507.1 Protein LSM14 homolog A-like
 ELK00534.1 Protein LSM14 like protein A
 NP_001002316.1 protein LTV1 homolog
 NP_955774.1 protein lunapark-A
 NP_001007136.2 protein LYRIC
 NP_001187281.1 protein LZIC
 NP_694506.2 protein mab-21-like 1
 NP_001103495.1 protein mab-21-like 3
 ELR45829.1 Protein mago nashi-like protein 2, partial
 NP_001019984.1 protein MCM10 homolog
 NP_997897.1 protein Mdm4
 NP_001091717.1 protein MEF2BNB
 NP_956181.1 protein misato homolog 1
 NP_001124073.1 protein MMS22-like
 NP_957459.2 protein Mpv17
 NP_001036798.1 protein naked cuticle homolog 1
 NP_001091055.1 protein naked cuticle homolog 2-like
 NP_998513.2 protein NDRG1 isoform 2
 NP_001187489.1 protein NDRG2
 ELW69615.1 Protein NDRG3
 NP_998671.1 protein NEDD1
 NP_001186995.1 protein NLR5
 NP_001155126.1 protein notum homolog precursor
 NP_001006079.1 protein odd-skipped-related 1
 NP_956910.3 protein odr-4 homolog
 ABA29477.1 protein O-fucosyltransferase 2
 NP_001038498.1 protein O-mannosyl-transferase 2
 YP_007003785.1 protein ORF129A
 NP_001103593.1 protein OSCP1
 NP_001076497.1 protein PAT1 homolog 1
 NP_571063.1 protein patched homolog 1
 NP_001071069.2 protein pellino homolog 1
 NP_001002616.1 protein pellino homolog 2
 NP_957430.1 protein pelota homolog
 NP_001158284.1 protein PET117 homolog, mitochondrial precursor
 NP_001017627.1 protein phosphatase 1 regulatory subunit 11
 NP_001003870.1 protein phosphatase 1 regulatory subunit 12A
 ELK34973.1 Protein phosphatase 1 regulatory subunit 12B
 NP_001071047.1 protein phosphatase 1 regulatory subunit 12C
 CBN80855.1 Protein phosphatase 1 regulatory subunit 1A
 NP_001073636.1 protein phosphatase 1 regulatory subunit 37
 NP_957128.1 protein phosphatase 1 regulatory subunit 3C-B
 NP_001103882.2 protein phosphatase 1 regulatory subunit 3D
 NP_001002202.1 protein phosphatase 1 regulatory subunit 42
 NP_997875.1 protein phosphatase 1, catalytic subunit, alpha-like
 NP_957104.1 protein phosphatase 1, regulatory (inhibitor) subunit 14Ab
 EDL30086.1 protein phosphatase 1, regulatory (inhibitor) subunit 8, isoform CRA_b
 NP_001032181.1 protein phosphatase 1, regulatory subunit 27
 NP_571504.1 protein phosphatase 1A
 NP_001007314.1 protein phosphatase 1A, magnesium dependent, alpha
 NP_571473.1 protein phosphatase 1B
 NP_957384.2 protein phosphatase 1D magnesium-dependent, delta isoform a
 AAI62507.1 Protein phosphatase 1E (PP2C domain containing)
 NP_001018354.1 protein phosphatase 1E
 NP_958896.1 protein phosphatase 1G
 NP_001070923.1 protein phosphatase 1H
 ABU48532.1 protein phosphatase 2 regulatory subunit B" alpha
 EDL36487.1 protein phosphatase 2, regulatory subunit B (B56), epsilon isoform
 NP_919396.1 protein phosphatase 2, regulatory subunit B', epsilon isoform a
 ACJ04070.1 protein phosphatase 2A regulatory subunit B55 delta isoform
 ADC31790.1 protein phosphatase 2A regulatory subunit B55 gamma isoform
 NP_001185479.1 protein phosphatase 3, catalytic subunit, alpha isozyme
 NP_001160100.1 protein phosphatase 3, catalytic subunit, gamma isoform-like
 NP_956231.1 protein phosphatase methylesterase 1
 NP_001007379.1 protein phosphatase PTC7 homolog
 AAA30695.1 protein phosphatase type 2A catalytic subunit
 CAA54453.1 protein phosphatase V
 NP_001154804.1 protein phosphatase, Mg²⁺/Mn²⁺ dependent, 1Ab
 ELK30626.1 Protein PIEZO2
 NP_001007061.2 protein PRRC1
 NP_001153766.1 protein prune homolog
 NP_001104624.1 protein prune homolog 2
 NP_001084987.1 protein quaking-B
 NP_001074100.1 protein RD3
 NP_955883.1 protein Red
 NP_956528.1 protein regulator of cytokinesis 1

NP_001004494.1 protein regulator of cytokinesis 1a
 NP_001018500.1 protein reprimin A
 NP_956969.1 protein RER1
 NP_001034197.1 protein ripply1
 NP_001034199.2 protein ripply3
 NP_001019562.1 protein S100-Z
 NP_956429.2 protein saal1
 NP_001038697.1 protein SCO2 homolog, mitochondrial
 NP_775337.1 protein SDA1 homolog
 NP_001038629.1 protein sel-1 homolog 1 precursor
 NP_001025457.1 protein SERAC1
 CBN81960.1 Protein shisa-2 homolog
 NP_001003631.1 protein shisa-2 homolog precursor
 NP_001013527.1 protein shisa-9A precursor
 NP_001129447.2 protein shisa-9B
 NP_001138424.1 protein sidekick-2 precursor
 NP_001020094.1 protein SMG5
 NP_001038548.2 protein SMG7
 NP_001133333.1 protein SMG9
 NP_001098412.1 protein Spindly
 NP_001093506.1 protein spinstler homolog 3
 NP_001038312.2 protein spire homolog 1
 NP_001007343.1 protein spire homolog 2
 NP_001116072.1 protein sprouty homolog 1
 NP_571901.1 protein sprouty homolog 4
 NP_001153443.1 protein SPT2 homolog
 NP_001032761.1 protein SREK1IP1
 NP_001186845.1 protein strawberry notch homolog 1
 NP_001245157.1 protein TALPID3
 NP_001116101.1 protein THEM6 precursor
 NP_001018152.1 protein TMED8
 EGW12777.1 Protein transport protein Sec16A
 NP_998630.1 protein transport protein Sec23A
 NP_001232897.1 protein transport protein Sec24C
 NP_955824.1 protein transport protein Sec31A
 NP_001006065.1 protein TSSC1
 NP_001039313.1 protein TSSC4
 NP_001032464.1 protein tweety homolog 3
 CAA06673.1 protein tyrosine kinase
 AAI63886.1 Protein tyrosine kinase 2.1
 NP_942114.1 protein tyrosine kinase 2b
 ADB22375.1 protein tyrosine kinase 7 long isoform
 NP_001018501.1 protein tyrosine kinase 7a
 NP_001074065.2 protein tyrosine phosphatase domain-containing protein 1
 CBJ23828.1 protein tyrosine phosphatase lambda B
 NP_001005583.1 protein tyrosine phosphatase type IVA 2
 NP_956748.1 protein tyrosine phosphatase, non-receptor type 11, b
 NP_956760.1 protein tyrosine phosphatase, non-receptor type 2, a
 NP_001189436.1 protein tyrosine phosphatase, non-receptor type 23, a
 NP_001037778.2 protein tyrosine phosphatase, non-receptor type 4, b
 EDL39811.1 protein tyrosine phosphatase, non-receptor type 4, isoform CRA_a
 NP_001159520.1 protein tyrosine phosphatase, receptor type, D isoform 1 precursor
 NP_001038642.1 protein tyrosine phosphatase, receptor type, E, b precursor
 BAD92907.1 protein tyrosine phosphatase, receptor type, K precursor variant
 NP_001018143.1 protein tyrosine phosphatase, receptor type, M, a precursor
 AAI63485.1 Protein tyrosine phosphatase, receptor type, N polypeptide 2
 NP_001124060.1 protein tyrosine phosphatase, receptor type, Na precursor
 NP_001002362.1 protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2b
 NP_001186940.1 protein tyrosine phosphatase-like A domain containing 2-like
 NP_997952.1 protein unc-119 homolog B
 ELK23744.1 Protein unc-13 like protein A, partial
 ELW70292.1 Protein unc-13 like protein B
 EGV99869.1 Protein unc-13-like C
 NP_705959.1 protein unc-45 homolog B
 ELK14782.1 Protein unc-50 like protein
 EGW04122.1 Protein VAC14-like
 NP_571055.1 protein Wnt-10a
 ELK08405.1 Protein Wnt-10b
 NP_835737.1 protein Wnt-10b precursor
 NP_571151.1 protein Wnt-11 precursor
 NP_001093516.1 protein Wnt-16 precursor
 NP_571025.1 protein Wnt-2 precursor
 NP_001037809.1 protein Wnt-2b
 NP_001007186.1 protein Wnt-3a precursor
 NP_001035477.1 protein Wnt-4a precursor
 NP_571012.1 protein Wnt-5b precursor
 NP_001165064.1 protein Wnt-7b isoform 2
 NP_571034.1 protein Wnt-8b precursor
 NP_001131132.1 protein Wnt-9b precursor

NP_001103940.1 protein WWC3
 NP_998611.1 protein XRP2
 NP_001133334.1 protein YIF1A
 NP_001187338.1 protein YIF1B
 NP_001187280.1 protein YIPF2
 NP_956201.1 protein YIPF3
 NP_001187483.1 protein YIPF5
 NP_001002096.1 protein YIPF6
 ELK25266.1 Protein yippee-like 2
 EHH22879.1 Protein yippee-like 4
 ELK27348.1 Protein yippee-like 5
 NP_001038536.2 protein Z-dependent protease inhibitor precursor
 ABE98234.1 protein-arginine deiminase type II-like
 NP_956406.1 protein-arginine deiminase type-2
 NP_001108318.1 proteinase-activated receptor 1 precursor
 NP_001133989.1 Proteinase-activated receptor 2 precursor
 NP_001108362.1 protein-cysteine N-palmitoyltransferase HHAT
 CBN81987.1 Protein-cysteine N-palmitoyltransferase HHAT-like protein
 CBN80793.1 Protein-glutamine gamma-glutamyltransferase 5
 NP_571705.1 protein-kinase, interferon-inducible double stranded RNA dependent inhibitor precursor
 NP_998246.1 protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) like
 EDL14267.1 protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1, isoform CRA_b
 NP_001035010.1 protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2
 NP_001025238.2 protein-L-isoaspartate O-methyltransferase domain-containing protein 1
 NP_996972.1 protein-lysine 6-oxidase precursor
 NP_001017618.1 protein-S-isoprenylcysteine O-methyltransferase
 CAF06180.1 protein-tyrosine kinase
 NP_997735.1 protein-tyrosine kinase 2-beta
 CAZ68040.1 protein-tyrosine phosphatase IA-2 beta
 CAZ68034.1 protein-tyrosine phosphatase MEG1a
 NP_571478.1 protein-tyrosine sulfotransferase 1
 NP_001032762.1 proteoglycan 4 precursor
 NP_001154917.1 proteolipid protein 2
 NP_001167407.1 Proteolipid protein DM beta
 NP_998555.1 prothrombin precursor
 NP_001134644.1 prothyliberin precursor
 NP_001019268.1 protocadherin 1 alpha 3 precursor
 NP_001019270.1 protocadherin 1 alpha 4 precursor
 NP_001019272.1 protocadherin 1 alpha 6 precursor
 NP_001018640.1 protocadherin 1 gamma 1 precursor
 NP_001019282.1 protocadherin 1 gamma 11 precursor
 NP_001019288.1 protocadherin 1 gamma 18 precursor
 AAI62581.1 Protocadherin 1 gamma 2
 NP_001018872.1 protocadherin 1 gamma 2 precursor
 AAI62450.1 Protocadherin 1 gamma 3
 NP_001018871.1 protocadherin 1 gamma 3 precursor
 AAI62494.1 Protocadherin 1 gamma 31
 NP_001019280.1 protocadherin 1 gamma 9
 NP_001012676.2 protocadherin 1 gamma b 2
 AAI62491.1 Protocadherin 1 gamma b 9
 NP_001018614.2 protocadherin 1 gamma b 9 precursor
 NP_997736.1 protocadherin 10a precursor
 AAH70019.1 Protocadherin 10b
 NP_878305.1 protocadherin 10b precursor
 NP_001012500.1 protocadherin 15a precursor
 NP_001012504.1 protocadherin 15b precursor
 NP_001108530.1 protocadherin 18a precursor
 NP_001108571.1 protocadherin 18b precursor
 NP_001009589.1 protocadherin 2 alpha b 10 precursor
 NP_001009590.1 protocadherin 2 alpha b 11 precursor
 NP_001019371.1 protocadherin 2 gamma 28 precursor
 NP_001019372.1 protocadherin 2 gamma 29 precursor
 NP_001019348.1 protocadherin 2 gamma 4 precursor
 ABL75866.1 protocadherin 2A26
 ABL75899.1 protocadherin 2G24
 ABL75912.1 protocadherin 2G37
 AAT85345.1 protocadherin cluster 1 gamma 22
 AAT85362.1 protocadherin cluster 1 gamma 5a
 NP_998132.1 protocadherin Fat 1 precursor
 NP_001103206.1 protocadherin gamma cluster 1 member precursor
 CBN81427.1 Protocadherin-15, partial
 ABC79282.1 protocadherin-15-CD1 isoform 1
 NP_001154294.1 protocadherin-17 precursor
 ACQ72597.1 protocadherin-19 isoform 2
 NP_001120991.2 protocadherin-19 precursor
 BAD60792.1 protocadherin1-alpha-av3-vCP
 CBN81537.1 Protocadherin-21
 BAD60795.1 protocadherin2-gamma-c5-A
 BAD60804.1 protocadherin2-gamma-v12-sCP1

BAD60805.1 protocadherin2-gamma-v12-sCP2
 BAD60807.1 protocadherin2-gamma-v5-A
 BAD60808.1 protocadherin2-gamma-v5-sCP1
 BAD60809.1 protocadherin2-gamma-v5-sCP2
 NP_001038495.1 protogenin A precursor
 NP_001159731.1 protoheme IX farnesyltransferase, mitochondrial
 NP_001153301.1 proton myo-inositol cotransporter
 ACQ90249.1 proton pump alpha subunit
 ACT35619.1 proton pump beta subunit
 NP_956579.1 proton-coupled folate transporter
 ELK00652.1 Proto-oncogene tyrosine-protein kinase Fyn
 NP_858048.2 proto-oncogene tyrosine-protein kinase receptor Ret precursor
 NP_001003837.2 proto-oncogene tyrosine-protein kinase Src
 NP_001108024.1 proto-oncogene Wnt-3
 NP_001035068.1 protoporphyrinogen oxidase
 NP_001137524.1 prototransforming growth factor alpha precursor
 AAI39604.1 Prpf3 protein
 AAH92914.1 Prpf3 protein, partial
 AAH98599.1 Prps1a protein
 CAP71938.1 prtga
 AAI62639.1 Prtga protein
 CAA76641.1 PS1 protein
 ACN10464.1 P-selectin precursor
 NP_001104659.1 pseudouridylate synthase 10
 NP_001038422.1 pseudouridylate synthase 7 homolog-like protein
 AAI07805.1 PSMC3 protein, partial
 AAH76169.1 Pspc1 protein
 NP_001007183.1 PTB domain-containing engulfment adapter protein 1
 NP_001013522.1 PTB-containing, cubilin and LRP1-interacting protein
 AAH91854.1 Ptbp1b protein
 AAH90536.1 Ptc3 protein
 AAI24455.1 Ptgsl protein
 AAI16576.1 Ptgs1 protein
 AAI62580.1 Pth2r protein
 EAW92212.1 PTK2 protein tyrosine kinase 2, isoform CRA_c
 NP_001070140.1 PTK6 protein tyrosine kinase 6b
 AAI62720.1 Ptpn4 protein
 AAI63526.1 Ptpra protein
 AFD97013.1 PTPRDb
 CBH41394.1 PTPRF interacting protein binding protein 1
 AFD97011.1 PTPRFa.1
 AFD97012.1 PTPRFa.2
 ADO27906.1 purine nucleoside phosphorylase
 NP_001002102.1 purine nucleoside phosphorylase 4a
 NP_998476.1 purine nucleoside phosphorylase 5a
 AAI62912.1 Purinergic receptor P2X, ligand-gated ion channel, 1
 AAI63063.1 Purinergic receptor P2X, ligand-gated ion channel, 2
 NP_001153631.1 purine-rich element binding protein B-like
 ABG02280.1 purine-rich element binding protein-beta
 BAD42450.1 purpurin
 AAI34852.1 Pus7l protein
 EKC33323.1 Putative 10-formyltetrahydrofolate dehydrogenase ALDH1L2
 EFN72128.1 Putative AC9 transposase
 NP_958450.1 putative adenosylhomocysteinase 2
 ELK13863.1 Putative adenosylhomocysteinase 3
 NP_001103168.1 putative adenylate kinase 7
 ADN37679.1 putative adhesion protein
 JAA46312.1 Putative adp/atp translocase 1
 CBN81648.1 Putative all-trans-retinol 13,14-reductase
 NP_001015061.1 putative all-trans-retinol 13,14-reductase precursor
 ELW71184.1 putative aminopeptidase NPEPL1
 JAA54639.1 Putative anion-transporting atpase
 JAA49558.1 Putative ankyrin
 CAB92314.1 putative ankyrin-repeat containing protein
 CAI38847.1 putative arginase 2C precursor
 NP_001232069.1 putative aspartate beta-hydroxylase variant 2
 ELW63668.1 Putative ATP-dependent RNA helicase DHX33
 NP_001123984.1 putative ATP-dependent RNA helicase TDRD9
 YP_002412393.1 putative autotransported outer membrane protein involved in cell adhesion
 JAA48445.1 Putative calcium/calmodulin-dependent serine protein kinase isoform 2
 ELK19231.1 Putative cation-transporting ATPase 13A1
 ELW68582.1 putative cation-transporting ATPase 13A2, partial
 YP_005862732.1 putative cell-wall-anchored protein (LPXTG motif)
 NP_001002213.1 putative deoxyribonuclease TATDN1
 NP_001006097.1 putative deoxyribose-phosphate aldolase
 EGW14311.1 Putative DNA repair and recombination protein RAD26-like
 JAA59032.1 Putative dnaj hsp40 log subfamily protein b member 6a
 ABH09251.1 putative DNA-mediated transposase
 JAA49158.1 Putative dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit stt3b

CAB40081.1 putative dopamine D3 receptor
 AFJ49856.1 putative D-tyrosyl-tRNA(Tyr) deacylase 2
 NP_001146357.1 putative DUF1618 domain containing family protein
 CAD67584.1 putative dystrophin
 ELK00919.1 Putative E3 ubiquitin-protein ligase HECTD2
 EHA97647.1 Putative E3 ubiquitin-protein ligase KIAA0614
 ELW62398.1 putative E3 ubiquitin-protein ligase RNF144A
 ACH45938.1 putative endothelial differentiation-related factor 1 variant 3
 JAA51601.1 Putative enoyl-coa hydratase, partial
 JAA49450.1 Putative exocyst complex subunit sec8
 NP_001083026.1 putative ferric-chelate reductase 1 precursor
 NP_001201837.1 putative fidgetin-like protein 2
 AAC24364.1 putative G-binding protein
 CAM91423.1 putative glucocorticoid receptor
 NP_001232375.1 putative glutathione S-transferase
 NP_001071271.2 putative glycerol kinase 5
 JAA46958.1 Putative glycerol-3-phosphate dehydrogenase/dihydroxyacetone 3-phosphate reductase
 AEQ17704.1 putative golgi reassembly stacking protein subunit
 JAA62846.1 Putative g-protein alpha subunit, partial
 EGW10641.1 putative G-protein coupled receptor 111
 EHB06326.1 Putative G-protein coupled receptor 125, partial
 JAA45460.1 Putative gtpase
 NP_001037805.1 putative helicase mov-10-B.2
 YP_004974673.1 Putative Hemolysin-type calcium-binding RTX toxin
 JAA46213.1 Putative heteroproteinous nuclear ribonucleoprotein 1
 ELK23678.1 Putative histidyl-tRNA synthetase, mitochondrial
 NP_001107901.1 putative homeodomain transcription factor 1
 ELK01010.1 Putative homeodomain transcription factor 2
 ADO28151.1 putative hydrolase rbbp9
 NP_001232666.1 putative K+ channel tetramerization protein variant 2
 EHU71722.1 putative Kelch-like protein 10
 NP_001004657.1 putative L-aspartate dehydrogenase
 ADV02376.1 putative liver carboxylesterase 22 precursor
 JAA49967.1 Putative low-density lipoprotein receptor-related protein 6 isoform 1
 JAA50170.1 Putative lps-responsive vesicle trafficking beach and anchor
 NP_001070229.1 putative malate dehydrogenase 1B
 CAE53845.1 putative melanocortin-2 receptor
 NP_001187225.1 putative membrane progesterin receptor alpha
 NP_001187119.1 putative membrane progesterin receptor beta
 NP_001187120.1 putative membrane progesterin receptor gamma
 JAA48859.1 Putative metastasis suppressor protein 1
 NP_001020473.1 putative methyltransferase NSUN3
 JAA46303.1 Putative mitochondrial associated endoribonuclease mar1 isochorismatase superfamily
 NP_001035083.2 putative monooxygenase p33MONOX
 JAA53001.1 Putative myosin class i heavy chain, partial
 JAA50169.1 Putative myosin class ii heavy chain
 CAD92100.1 putative Na/K/2Cl cotransporter
 NP_991244.1 putative N-acetylglucosamine-6-phosphate deacetylase
 BAM74643.1 putative Na-Cl cotransporter
 JAA49906.1 Putative neural cell adhesion molecule II
 ADV31328.1 putative NILT5
 ACH44257.1 putative NSFL1 cofactor
 AAN15746.1 putative nucleic acid binding protein
 JAA48471.1 Putative nucleic acid-binding protein asmtl
 JAA47148.1 Putative nucleotide excision repair factor nef2 rad23 component
 AAC64076.1 putative odorant receptor
 NP_001187113.1 putative odorant receptor CF64 precursor
 NP_001187018.1 putative oncoprotein nm23
 CAJ38812.1 putative origin recognition complex subunit 3 protein
 JAA47710.1 Putative oxysterol-binding protein
 AAC51261.1 putative p150
 BAK08396.1 putative papain-like cysteine prorease
 AAW38958.1 putative pheromone receptor CPpr9
 EGW13762.1 putative phospholipid-transporting ATPase IIA
 CAJ84769.1 putative prohormone convertase 1
 JAA48501.1 Putative proteinral
 CAM56624.1 putative pyruvate dehydrogenase phosphatase isoenzyme 2
 JAA49195.1 Putative rab gtpase-activating protein
 JAA49618.1 Putative rac1 gtpase effector frl
 AEQ17446.1 putative rad23b
 JAA48263.1 Putative radixin moesin
 ELK05398.1 Putative ribosome biogenesis protein RLP24
 CAA73349.1 putative RNA helicase (DEAD box)
 CBN81270.1 Putative RNA-binding protein Luc7-like 1
 CBL94163.1 putative RNA-directed DNA polymerase (Reverse transcriptase)
 JAA50028.1 Putative scaffold protein shank
 AEQ17197.1 putative serine threonine protein phosphatase pp1
 AAP97724.1 putative serine/threonine protein kinase variant B1
 JAA50035.1 Putative signaling protein

NP_001003648.1 putative sodium-coupled neutral amino acid transporter 7
 NP_001073468.1 putative sodium-coupled neutral amino acid transporter 9
 CAD59916.3 putative stromal cell-derived factor 1 precursor
 EHJ78180.1 putative Tc1-like transposase
 CAC44163.1 putative threonine synthase
 JAA54753.1 Putative tick transposon
 JAA61442.1 Putative tick transposon, partial
 JAA47859.1 Putative transcription factor
 JAA47372.1 Putative transcription factor meis1
 JAA48700.1 Putative transcription initiation factor tftiib brf1 subunit
 NP_001070103.2 putative transferase CAF17 homolog, mitochondrial
 NP_001038694.1 putative transporter SVOPL
 AFC96945.1 putative transposase
 CBN81440.1 Putative uncharacterized protein
 JAA53116.1 Putative vps10 domain-containing receptor sorcs1, partial
 JAA52729.1 Putative wd40 repeat-containing protein, partial
 JAA49947.1 Putative zinc finger mym-type protein 4
 JAA55842.1 Putative xzd family zinc finger c
 NP_001187602.1 px domain-containing protein c6orf145-like protein
 NP_957057.1 pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1
 NP_001243145.1 pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2
 NP_001139058.1 pyridoxal kinase
 NP_001167117.1 Pyridoxal phosphate phosphatase
 NP_001104699.1 pyridoxal phosphate phosphatase PHOSPHO2
 NP_001004552.2 pyridoxal-dependent decarboxylase domain-containing protein 1
 NP_001135319.1 Pyroglutamyl-peptidase 1
 CAD61259.1 pyruvate carboxylase
 NP_001083226.1 pyruvate carboxylase, gene 1
 NP_001032759.1 pyruvate carboxylase, like
 NP_001002399.1 pyruvate dehydrogenase E1 alpha 1
 NP_998319.1 pyruvate dehydrogenase E1 component subunit beta, mitochondrial
 AC009641.1 Pyruvate dehydrogenase E1 component subunit beta, mitochondrial precursor
 ACB72248.1 pyruvate dehydrogenase kinase 4
 ACN11314.1 Pyruvate dehydrogenase kinase isozyme 2, mitochondrial precursor
 AFE71893.1 pyruvate dehydrogenase kinase, isozyme 3 isoform 1, partial
 ACN11437.1 Pyruvate kinase muscle isozyme
 AAI54327.1 Pyruvate kinase, liver and RBC
 AAH45519.1 Qtrtd1 protein
 AAH65667.1 Quaking
 NP_001004109.1 quattro
 NP_957304.1 queuine tRNA-ribosyltransferase
 NP_001112368.2 queuine tRNA-ribosyltransferase subunit qtrtd1
 ADO28204.1 quinone oxidoreductase-like protein 1
 AAI62633.1 Quo protein
 ELK27658.1 R3H domain-containing protein 1
 NP_001018444.1 rab GDP dissociation inhibitor alpha
 NP_001029132.1 rab GTPase-activating protein 1 isoform b
 NP_001125191.1 rab GTPase-activating protein 1-like isoform 2
 ELW62472.1 Rab GTPase-activating protein 1-like protein
 NP_001116759.1 rab GTPase-binding effector protein 1
 NP_001074094.1 rab GTPase-binding effector protein 2
 NP_982286.1 rab proteins geranylgeranyltransferase component A 2
 ACI66834.1 Rab11 family-interacting protein 2
 NP_001025441.1 rab11 family-interacting protein 3
 NP_001002533.2 rab11 family-interacting protein 4A
 NP_001122297.1 rab11 family-interacting protein 4B
 NP_956417.1 RAB11a, member RAS oncogene family, like
 AAH76363.1 Rab11fip4a protein
 XP_002142158.1 Rab2 GTPase protein
 EDL06653.1 RAB22A, member RAS oncogene family, isoform CRA_c
 NP_001090137.1 RAB2A, member RAS oncogene family
 AAH66502.1 Rab32 protein
 NP_001073492.1 RAB39B, member RAS oncogene family
 NP_989130.1 RAB3A interacting protein
 NP_001018417.1 rab-3A-interacting protein
 AAI29146.1 Rab3gap2 protein
 NP_957137.1 rab5 GDP/GTP exchange factor
 CAI11700.1 RAB5A member RAS oncogene family
 AAI65915.1 Rab5a protein
 CCA25016.1 Rab7 family GTPase putative
 NP_001187851.1 rab9 effector protein with kelch motifs
 NP_001038428.1 rab-like protein 2B
 NP_001187394.1 rab-like protein 3
 NP_001187329.1 rab-like protein 5
 EDL19740.1 rabphilin 3A, isoform CRA_a
 ELK26367.1 Rabphilin-3A
 NP_955925.1 rac GTPase-activating protein 1
 NP_937789.1 RAC-beta serine/threonine-protein kinase
 NP_955889.1 RAD21 homolog (S. pombe) a

NP_001038585.1 RAD21 homolog
 NP_001073519.1 RAD21-like 1
 AAQ94603.1 RAD23 homolog B
 NP_001038468.2 RAD50-interacting protein 1
 AAY43162.1 Rad52 long isoform
 NP_001007334.1 RAD52 motif-containing protein 1
 AAH98627.1 Rad52 protein
 NP_001070227.1 radial spoke head 10 homolog B
 NP_001187641.1 radial spoke head 1-like protein
 NP_001082864.1 radial spoke head protein 3 homolog
 NP_001077026.1 radical S-adenosyl methionine domain-containing protein 1, mitochondrial precursor
 NP_001020727.1 radical S-adenosyl methionine domain-containing protein 2
 AFJ51111.1 RAF proto-oncogene serine/threonine-protein kinase-like
 NP_998585.1 raftlin-2
 NP_001038415.1 regulator complex protein LAMTOR4
 BAC16311.1 Raichu-1011X
 BAC16312.1 Raichu-1054X
 BAC99017.1 Raichu-1237X
 BAB61868.1 Raichu404X
 NP_001139776.1 ral GTPase-activating protein subunit alpha-1
 NP_991200.1 ral guanine nucleotide dissociation stimulator-like 1
 NP_001108565.2 ral guanine nucleotide dissociation stimulator-like 2
 NP_956768.1 Ral-A exchange factor RalGPS2
 NP_996963.1 ralA-binding protein 1
 NP_001038521.1 ralBP1-associated Eps domain-containing protein 1
 AES05282.1 RAN binding protein 3, partial
 EDL00603.1 RAN binding protein 5, isoform CRA_b
 NP_001070084.1 RAN GTPase activating protein 1
 ADO28291.1 ran guanine nucleotide release factor
 NP_001038515.1 ran-binding protein 10
 NP_956984.1 ran-binding protein 3
 AAQ18217.1 Ran-binding protein 7
 AAI65240.1 Ranbp9 protein
 NP_001002168.1 ranBP-type and C3HC4-type zinc finger-containing protein 1
 AAI55268.1 Rangap1 protein
 NP_997931.1 ran-specific GTPase-activating protein
 NP_957420.1 Rap guanine nucleotide exchange factor (GEF) 1b
 NP_001092249.1 Rap guanine nucleotide exchange factor (GEF) 5b
 NP_001116525.1 rap1 GTPase-activating protein 1
 NP_001017910.1 rapunzel 4
 NP_001103594.1 rapunzel 5
 NP_001076288.1 RAR-related orphan receptor C a
 AAI65718.1 Rars protein
 NP_001116518.1 RAS (RAD and GEM)-like GTP binding 2
 NP_922933.1 Ras association (RalGDS/AF-6) domain family (N-terminal) member 7b
 NP_001009985.1 Ras association (RalGDS/AF-6) domain family member 4
 NP_001004550.1 ras association domain-containing protein 1
 ADO28037.1 ras association domain-containing protein 3
 ACQ59031.1 Ras association domain-containing protein 6
 NP_956657.1 ras association domain-containing protein 8
 NP_001092921.1 ras GTPase-activating protein 4
 NP_001167393.1 Ras GTPase-activating protein nGAP
 NP_001038327.1 RAS guanyl-releasing protein 1
 NP_001103934.1 ras guanyl-releasing protein 3
 NP_001187907.1 ras homolog enriched in brain
 NP_998302.1 ras homolog gene family, member A
 NP_957444.1 ras homolog gene family, member Ae
 AAH44431.1 Ras homolog gene family, member T1a
 NP_001017784.1 ras homolog gene family, member Ub
 NP_001090666.1 RAS p21 protein activator 2
 NP_001086802.1 RAS p21 protein activator 3
 NP_976241.1 ras-associated and pleckstrin homology domains-containing protein 1 isoform 3
 AEP81235.1 Ras-associated forkhead-associated dilute domain protein
 NP_001007782.1 ras-dva small GTPase
 NP_001003479.1 ras-GEF domain-containing family member 1B-B
 AAH75904.1 Rasgef1ba protein
 AEP81234.1 Ras-interacting protein 1
 ABI97979.1 RAS-like family 11 member B
 ACI69589.1 Ras-like protein family member 11B
 NP_956689.1 ras-like protein family member 12
 AAX20132.1 ras-like protein Rnd3b
 ADO28230.1 ras-related and estrogen-regulated growth inhibitor-like protein
 AAI53481.1 Ras-related associated with diabetes
 NP_001002061.1 ras-related C3 botulinum toxin substrate 2
 NP_001002754.1 ras-related C3 botulinum toxin substrate 3a (rho family, small GTP binding protein Rac3)
 NP_001187635.1 ras-related GTP-binding protein C
 NP_001092894.1 ras-related GTP-binding protein D
 NP_001018466.1 ras-related protein Rab-12
 NP_958903.1 ras-related protein Rab-14

NP_001002318.1	ras-related protein Rab-15
NP_001003449.1	ras-related protein Rab-18-B
NP_997936.1	ras-related protein Rab-20
NP_001070133.1	ras-related protein Rab-21
NP_001188086.1	ras-related protein rab-22a
NP_001018579.1	ras-related protein Rab-23
ACO10084.1	Ras-related protein Rab-25
NP_001017715.1	ras-related protein Rab-26
NP_001025428.1	ras-related protein Rab-27A
NP_001187761.1	ras-related protein rab-27b
NP_001188206.1	ras-related protein Rab-28
NP_001002750.1	ras-related protein Rab-30
EFN69859.1	Ras-related protein Rab-32
NP_001038893.1	ras-related protein Rab-33A
NP_001187352.1	ras-related protein Rab-35
ADO27967.1	ras-related protein rab-36
EHB04599.1	Ras-related protein Rab-37
NP_998207.1	Ras-related protein Rab-39A
NP_001002530.1	ras-related protein Rab-3C
NP_001188027.1	ras-related protein rab-3d
NP_001002524.2	ras-related protein Rab-40B
NP_001038812.1	ras-related protein Rab-43
ADO27926.1	ras-related protein rab-4b
NP_001187496.1	ras-related protein rab-5a
NP_998050.1	ras-related protein Rab-5B
ACO09289.1	Ras-related protein Rab-7
NP_957222.1	ras-related protein Rab-7a
ELW71316.1	Ras-related protein Rab-8B
NP_001038931.1	ras-related protein Rab-9A
NP_957312.1	ras-related protein Ral-A
NP_001003649.1	ras-related protein Ral-B
NP_001084154.1	ras-related protein ralB-A precursor
NP_001005931.2	ras-related protein R-Ras
EGV99316.1	Ras-related protein R-Ras2
GAC73526.1	ras-related small GTPase
AAH93276.1	Rassf1 protein
NP_001121705.1	ras-specific guanine nucleotide-releasing factor 2
NP_001093616.1	ras-specific guanine nucleotide-releasing factor RalGPS1
NP_001177657.1	ras-specific guanine nucleotide-releasing factor RalGPS1 isoform 3
AAI54731.1	Rb1 protein
AFJ51124.1	Rb1-inducible coiled coil protein 1
AEX13745.1	rBAT protein
AAI54771.1	Rbm34 protein
AAH65688.1	Rbm35b protein
AAH67187.1	Rbm4.2 protein
AAH76439.1	Rcan1 protein
AAH90735.1	Rcan3 protein
ACI33792.1	RCC2 homolog
EDM13577.1	rCG21206, isoform CRA_b
EDL99196.1	rCG22278
EDL83820.1	rCG22853
EDL77036.1	rCG26088
EDL80294.1	rCG26434, isoform CRA_c
EDL82381.1	rCG28469, isoform CRA_b
EDL89348.1	rCG29511, isoform CRA_d
EDM02006.1	rCG29619, isoform CRA_b
EDM18014.1	rCG39998
EDL93457.1	rCG45476, isoform CRA_a
EDL93356.1	rCG45607, isoform CRA_c
EDL97791.1	rCG53509, isoform CRA_c
EDM07963.1	rCG53736
EDL93773.1	rCG57359, isoform CRA_a
EDL94481.1	rCG57639, isoform CRA_d
ADX98506.1	RE1-silencing transcription factor
AFJ51656.1	RE1-silencing transcription factor-like
BAD98459.1	RecA homolog DMC1
NP_001107904.1	receptor (G protein-coupled) activity modifying protein 2 precursor
NP_001032664.1	receptor accessory protein 3, like
NP_001004656.1	receptor accessory protein 6
NP_001013554.2	receptor accessory protein 6-like
ACI69031.1	Receptor activity-modifying protein 1 precursor
NP_001135365.1	Receptor activity-modifying protein 3 precursor
NP_001025398.1	receptor expression-enhancing protein 2
ADO28071.1	receptor expression-enhancing protein 5
NP_001116405.1	receptor interacting protein kinase 5
CAC44759.1	receptor protein-tyrosine phosphatase sigma
AAS92272.1	receptor tyrosine kinase Flt4
AAS92270.1	receptor tyrosine kinase Kdr
AFP81725.1	receptor tyrosine kinase, partial

NP_956413.2 receptor tyrosine-protein kinase erbB-2 precursor
 NP_001137223.1 receptor tyrosine-protein kinase erbB-4 precursor
 AEG42206.1 receptor-associated protein of the synapse
 NP_001187503.1 receptor-binding cancer antigen expressed on siso cells
 NP_001036815.1 receptor-interacting serine/threonine-protein kinase 1
 NP_919392.2 receptor-interacting serine/threonine-protein kinase 2
 AFJ51130.1 Receptor-interacting serine/threonine-protein kinase 2-like
 NP_998243.1 receptor-interacting serine/threonine-protein kinase 4
 BAF62164.1 receptor-interacting serine-threonine kinase 2
 NP_571963.1 receptor-type tyrosine-protein phosphatase alpha precursor
 ACN58623.1 Receptor-type tyrosine-protein phosphatase beta precursor
 NP_001186992.1 receptor-type tyrosine-protein phosphatase C precursor
 NP_001171001.1 receptor-type tyrosine-protein phosphatase delta
 NP_990738.1 receptor-type tyrosine-protein phosphatase delta precursor
 CBN81571.1 Receptor-type tyrosine-protein phosphatase epsilon
 NP_989952.1 receptor-type tyrosine-protein phosphatase eta precursor
 NP_001077045.1 receptor-type tyrosine-protein phosphatase F precursor
 EGW01365.1 Receptor-type tyrosine-protein phosphatase N2
 NP_001077283.1 receptor-type tyrosine-protein phosphatase O precursor
 ELW67957.1 Receptor-type tyrosine-protein phosphatase R
 AFE71438.1 receptor-type tyrosine-protein phosphatase T isoform 1 precursor, partial
 NP_001002299.1 receptor-type tyrosine-protein phosphatase U precursor
 ABM46911.2 recombination activating protein
 ABP98948.1 recombination activating protein 2
 NP_942579.2 recombination signal binding protein for immunoglobulin kappa J region a
 AEB61159.1 recombining binding protein suppressor of hairless-like protein, partial
 NP_001025419.1 recoverin
 NP_956474.1 recQ-mediated genome instability protein 1
 NP_001180454.1 redox-regulatory protein FAM213A
 ACK56085.1 red-sensitive cone opsin
 AAK07568.1 reggie 2b
 NP_991309.1 regucalcin
 NP_001096180.1 regulating synaptic membrane exocytosis 1
 AAH59440.1 Regulating synaptic membrane exocytosis 2
 ELW68401.1 Regulating synaptic membrane exocytosis protein 2
 NP_001093479.1 regulating synaptic membrane exocytosis protein 3
 NP_956216.1 regulation of nuclear pre-mRNA domain containing 2a
 NP_955850.1 regulation of nuclear pre-mRNA domain-containing protein 1B
 NP_998343.1 regulator of chromosome condensation
 NP_001104631.1 regulator of G-protein signaling 11
 NP_999889.1 regulator of G-protein signaling 12
 NP_958461.1 regulator of G-protein signaling 14a
 NP_001017846.1 regulator of G-protein signaling 16
 NP_001002523.1 regulator of G-protein signaling 17
 NP_001070775.1 regulator of G-protein signaling 18
 NP_001187721.1 regulator of G-protein signaling 20
 ADO27836.1 regulator of G-protein signaling 4
 ADO27761.1 regulator of G-protein signaling 5
 NP_001030340.1 regulator of G-protein signaling 6
 NP_001002541.1 regulator of G-protein signaling 7
 NP_001107530.1 regulator of G-protein signaling 7 binding protein
 NP_001002531.1 regulator of G-protein signaling 8
 BAF63414.1 Regulator of G-protein signaling 9
 NP_001018364.1 regulator of G-protein signaling 9-binding protein
 NP_001082981.1 regulator of G-protein signalling 1
 AAI63722.1 Regulator of G-protein signalling 12
 NP_001133913.1 regulator of G-protein signalling 14
 NP_001076519.1 regulator of microtubule dynamics protein 3
 NP_998639.1 regulator of nonsense transcripts 1
 NP_001189377.1 regulator of nonsense transcripts 3A
 NP_001013328.2 regulator of telomere elongation helicase 1
 NP_001088177.1 regulatory associated protein of MTOR, complex 1
 NP_001014342.1 relA-associated inhibitor
 CBQ72283.1 related to transposase
 CCA75761.1 related to transposase-Wolbachia endosymbiont of Drosophila ananassae, partial
 NP_001032892.1 relaxin 3a precursor
 NP_001108535.1 relaxin 3b precursor
 ACA13595.1 relaxin family locus X
 NP_956737.1 relaxin/insulin-like family peptide receptor 2b
 NP_001122260.1 relaxin/insulin-like family peptide receptor 3
 ACO09337.1 Relaxin-3 precursor
 NP_001004649.1 REM2- and Rab-like small GTPase 1
 NP_001002607.1 renalase
 AAH86817.1 Renin binding protein
 NP_998025.1 renin precursor
 NP_001133563.1 Renin receptor precursor
 BAB83841.1 ReO_6
 ELW72161.1 Repetitive proline-rich cell wall protein 2
 NP_001082960.2 replication factor C subunit 1

ADO28185.1 replication factor c subunit 4
 NP_001003862.1 replication factor C subunit 5
 NP_001187970.1 replication protein a 14 kda subunit
 NP_956105.2 replication protein A 70 kDa DNA-binding subunit
 NP_998606.1 repressor of RNA polymerase III transcription MAF1 homolog
 NP_001092241.1 reprimin-like protein
 NP_001018608.1 required for meiotic nuclear division protein 1 homolog
 NP_001002190.1 response gene to complement 32 protein
 NP_001073510.1 REST corepressor 1
 NP_991201.1 REST corepressor 2
 NP_001038494.1 REST corepressor 3
 AAT64103.1 reticulon 1-a1
 AAT64104.1 reticulon 1-a2
 NP_001025130.1 reticulon 2b
 AAH76103.1 Reticulon 4 receptor
 NP_982347.1 reticulon 4 receptor-like 1b precursor
 NP_982350.1 reticulon 4 receptor-like 2b precursor
 AAT64118.1 reticulon 5-a2
 AAT64131.1 reticulon 6-a2
 NP_001025138.2 reticulon-1 isoform 1
 CAA33787.1 retII
 NP_001036218.1 retina specific protein PAL precursor
 NP_001135258.1 Retinal dehydrogenase 2
 NP_001019607.1 retinal G protein coupled receptor b
 NP_001103165.1 retinal guanylyl cyclase 2
 NP_571300.2 retinal homeobox protein Rx1
 NP_571301.1 retinal homeobox protein Rx2
 AAI55754.1 Retinal pigment epithelium-specific protein b
 NP_956999.1 retinaldehyde binding protein 1a
 ADV58951.1 retinaldehyde dehydrogenase 2
 AFW31625.1 retinaldehyde dehydrogenase 2, partial
 NP_001153657.1 retinaldehyde dehydrogenase 3
 ADR82635.1 retinitis pigmentosa 2
 ACO07822.1 Retinitis pigmentosa 9 protein homolog
 AAM91029.1 retinoblastoma susceptibility protein
 NP_001071248.1 retinoblastoma-associated protein
 NP_001180202.1 retinoblastoma-binding protein 5 isoform 3
 NP_001180603.1 retinoblastoma-binding protein 6 isoform 1
 NP_001124082.1 retinoblastoma-like protein 1
 NP_899662.1 retinoblastoma-like protein 1 isoform b
 AEE80960.1 retinoic acid or thyroid hormone receptor corepressor
 ABQ44494.1 retinoic acid receptor alpha 2
 ABW77530.1 retinoic acid receptor gamma b
 NP_571414.1 retinoic acid receptor gamma-A
 NP_001155023.1 retinoic acid receptor RXR-alpha-A
 NP_571313.1 retinoic acid receptor RXR-beta-B
 NP_571292.2 retinoic acid receptor RXR-gamma-A
 NP_001002345.1 retinoic acid receptor RXR-gamma-B
 AFS34609.1 retinoic acid-inducible protein I
 BAL63407.1 retinoic X receptor beta a, partial
 NP_957045.1 retinoid isomerohydrolase
 CAD99183.1 retinoid X receptor
 ABQ09280.1 retinoid X receptor alpha 1
 ACH78358.1 retinoid X receptor gamma
 CAK11469.1 retinoid x receptor, beta
 AAI62302.1 Retinoid x receptor, beta b
 NP_001122222.1 retinoid-binding protein 7
 ACK77789.1 retinol dehydrogenase 1
 NP_001074052.1 retinol dehydrogenase 10-A
 CBN81124.1 Retinol dehydrogenase 11 (All-trans/9-cis/11-cis)
 EKC38041.1 Retinol dehydrogenase 12
 NP_001009912.1 retinol dehydrogenase 12, like
 BAG72431.1 retinol dehydrogenase 13
 NP_001133993.1 Retinol dehydrogenase 14
 NP_001006031.1 retinol dehydrogenase 14a (all-trans/9-cis/11-cis)
 NP_001158553.1 Retinol dehydrogenase 3
 BAG72429.1 retinol dehydrogenase 8
 NP_001116352.1 retinol saturase (all-trans-retinol 13,14-reductase) precursor
 ADO28309.1 retinol-binding protein 1
 NP_001187955.1 retinol-binding protein 2
 ELK12906.1 Retinoschisin
 ACN60195.1 Retrotransposable element Tf2 155 kDa protein type 3
 EJT50328.1 retrotransposon nucleocapsid protein
 ABA92080.1 retrotransposon protein, putative, Ty3-gypsy subclass
 ABA93722.1 retrotransposon protein, putative, unclassified
 XP_003369189.1 retroviral aspartyl protease family protein
 CBN80961.1 Retrovirus polyprotein
 XP_002774593.1 retrovirus polyprotein, putative
 XP_003370753.1 retrovirus-related Pol polyprotein from transposon 412

AAY85277.1	Rev-erbgamma-A
BAD72127.1	reverse transcriptase
CAA10770.1	reverse transcriptase-like
AEG78356.1	reverse transcriptase-like protein
NP_001133998.1	REX4, RNA exonuclease 4 homolog
NP_001001727.1	RGM domain family member B precursor
NP_955867.1	RGM domain family precursor
AAT28342.1	Rgma
AAH91800.1	Rgma protein
AAR33335.1	RGM-like protein
AAR24264.1	RGS12TS
NP_001019990.1	Rh blood group, D antigen
NP_001119916.1	Rh50-like protein isoform 2
ADO28323.1	rhamnose-binding lectin
NP_001118134.1	Rhesus blood group family type B glycoprotein
NP_001083046.1	Rhesus blood group, C glycoprotein a
AAI59237.1	Rhesus blood group-associated glycoprotein
NP_356242.2	rhizobiocin/RTX toxin
NP_998019.3	Rho family GTPase 1
AAH63968.1	Rho GDP dissociation inhibitor (GDI) alpha
NP_998626.1	rho GDP-dissociation inhibitor 1
ADO27800.1	rho gdp-dissociation inhibitor 2
NP_001119879.1	Rho GTPase activating protein 12a
NP_001072721.1	Rho GTPase activating protein 20
NP_956738.1	Rho GTPase activating protein 4
NP_001017781.1	rho GTPase-activating protein 1
EHB12870.1	Rho GTPase-activating protein 10-like protein
NP_001180468.1	rho GTPase-activating protein 11A isoform 1
NP_998481.2	rho GTPase-activating protein 11A isoform 2
NP_957168.1	rho GTPase-activating protein 12
NP_001122027.1	rho GTPase-activating protein 15
NP_001133974.1	Rho GTPase-activating protein 18
CBN82163.1	Rho GTPase-activating protein 21
ELW70216.1	Rho GTPase-activating protein 24
ELV13276.1	Rho GTPase-activating protein 30
ELR47243.1	Rho GTPase-activating protein 33, partial
ABG46346.1	Rho guanine exchange factor betaPix A
ABG46347.1	Rho guanine exchange factor betaPix B
AAI63565.1	Rho guanine nucleotide exchange factor (GEF) 11
NP_001075100.1	Rho guanine nucleotide exchange factor (GEF) 1a
NP_001018563.1	Rho guanine nucleotide exchange factor (GEF) 3, like
NP_001007342.1	Rho guanine nucleotide exchange factor (GEF) 39
NP_001027010.1	rho guanine nucleotide exchange factor 11
ELK34049.1	Rho guanine nucleotide exchange factor 12
NP_001116755.1	rho guanine nucleotide exchange factor 16
ELW59845.1	Rho guanine nucleotide exchange factor 2
NP_001076337.1	rho guanine nucleotide exchange factor 3
NP_001167091.1	Rho guanine nucleotide exchange factor 4
ELW47480.1	Rho guanine nucleotide exchange factor 6
NP_001116707.1	rho guanine nucleotide exchange factor 7
NP_999983.1	rho/rac guanine nucleotide exchange factor (GEF) 18a
NP_777288.1	rho-associated protein kinase 2
NP_001243563.1	Rho-associated, coiled-coil containing protein kinase 1
NP_001087216.1	rho-associated, coiled-coil containing protein kinase 2b
NP_001029353.2	rhodopsin kinase
ADD80744.1	rho-kinase 2
NP_001017614.1	rhomboid domain-containing protein 1
NP_001121831.1	rhomboid domain-containing protein 3
NP_001254516.1	rhomboid, veinlet-like 1
EDL15634.1	rhomboid, veinlet-like 3 (Drosophila), isoform CRA_b
NP_957498.1	rhomboid-related protein 2
NP_001139870.1	Rhombotin-1
NP_957472.1	rhophilin-2
XP_678524.1	rhoptry protein
NP_001093444.1	rho-related BTB domain-containing protein 2
ADO28325.1	rho-related gtp-binding protein rhoe
ACN11298.1	Rho-related GTP-binding protein RhoE precursor
NP_001187734.1	rho-related GTP-binding protein RhoF
NP_956334.1	rho-related GTP-binding protein RhoG
NP_001038266.1	rho-related GTP-binding protein RhoJ
NP_956112.1	rho-related GTP-binding protein RhoQ
NP_001007444.1	rho-related GTP-binding protein RhoU
NP_001012250.1	rho-related GTP-binding protein RhoV
NP_001005937.1	rhotekin-2
NP_001074132.1	RIB43A-like with coiled-coils protein 1
NP_001230078.1	RIB43A-like with coiled-coils protein 2
AAX20024.1	ribeye as protein
NP_955950.1	riboflavin transporter 1
NP_001133955.1	riboflavin transporter 2

NP_001018566.2 riboflavin-binding protein precursor
 NP_001002117.1 ribokinase
 NP_001002659.1 ribonuclease H1
 NP_956520.2 ribonuclease H2 subunit A
 NP_001187596.1 ribonuclease h2 subunit b
 NP_001188002.1 ribonuclease h2 subunit c
 AAH46061.1 Ribonuclease H2, subunit A
 NP_001133759.1 ribonuclease P protein subunit p14
 NP_001187749.1 ribonuclease P protein subunit p20
 NP_001003530.1 ribonuclease P protein subunit p21
 NP_001002540.1 ribonuclease P protein subunit p25-like protein
 NP_001018585.1 ribonuclease P protein subunit p29
 NP_001013497.1 ribonuclease P protein subunit p30
 NP_001002525.2 ribonuclease P protein subunit p38
 ADO27877.1 ribonuclease p protein subunit p40
 NP_001187737.1 ribonuclease P/MRP protein subunit POP5
 NP_001025235.1 ribonuclease T2 precursor
 AES05694.1 ribonuclease type III, nuclear, partial
 NP_001164500.1 ribonuclease ZC3H12A
 AAA81375.1 ribonucleoprotein
 ACJ38092.1 ribonucleoprotein PTB-binding 2
 NP_001018503.1 ribonucleoprotein, PTB-binding 1
 AFO54476.1 ribonucleotide reductase large subunit R1i
 AFO54481.1 ribonucleotide reductase small subunit p53R2ii
 AFO54478.1 ribonucleotide reductase small subunit R2i
 AAH66678.1 Ribophorin II
 NP_001188003.1 ribose-phosphate pyrophosphokinase 2
 NP_001187039.1 ribosomal protein L10
 BAF98658.1 ribosomal protein L11
 ACO51214.1 ribosomal protein L12
 NP_001187043.1 ribosomal protein L14
 CAJ82575.1 ribosomal protein L15
 EAW52358.1 ribosomal protein L18, isoform CRA_a
 AEH76596.1 ribosomal protein L18a
 NP_001187047.1 ribosomal protein L21
 BAF98672.1 ribosomal protein L22
 ADF97624.1 ribosomal protein L30
 NP_001187034.1 ribosomal protein L4
 AAK95130.1 ribosomal protein L6
 AAK95131.1 ribosomal protein L7
 NP_001187032.1 ribosomal protein P2
 EAW75371.1 ribosomal protein S21, isoform CRA_e
 EAW96877.1 ribosomal protein S26, isoform CRA_b
 EHJ78418.1 ribosomal protein S5
 NP_001071243.1 ribosomal protein S6 kinase a, polypeptide 1
 NP_997951.1 ribosomal protein S6 kinase alpha-1
 NP_001119875.1 ribosomal protein S6 kinase alpha-4
 NP_998241.1 ribosomal protein S6 kinase beta-1
 NP_082535.1 ribosomal protein S6 kinase beta-1 isoform 2
 AAH55331.1 Ribosomal protein S6 kinase, polypeptide 2
 ADO27838.1 ribosomal RNA-processing protein 7-like protein A
 NP_001082954.1 ribosome binding factor A
 AAQ97841.1 ribosome binding protein 1 homolog 180kDa
 NP_001071203.1 ribosome biogenesis protein bop1
 EHB04779.1 Ribosome biogenesis protein NSA2-like protein
 ACI69271.1 Ribosome maturation protein SBDS
 NP_001188154.1 ribosome production factor 1
 NP_001002160.2 ribosome production factor 1 isoform 1
 ACI69322.1 Ribosome recycling factor, mitochondrial precursor
 NP_001002174.1 ribosome-recycling factor, mitochondrial
 NP_001071013.1 ribosome-releasing factor 2, mitochondrial
 NP_001017740.1 Rieske (Fe-S) domain containing
 EDL30689.1 RIKEN cDNA 2310026E23, isoform CRA_c
 EDL37609.1 RIKEN cDNA 4932414K18, isoform CRA_b
 EDL11048.1 RIKEN cDNA 5033428A16, isoform CRA_c
 EDL15623.1 RIKEN cDNA C130052G03
 ELW65482.1 RILP-like protein 1
 ELK26640.1 RING finger and CCCH-type zinc finger domain-containing protein 2
 NP_001076328.2 ring finger and CCCH-type zinc finger domains 1
 ADO28027.1 ring finger and chy zinc finger domain-containing protein 1
 NP_001038537.2 RING finger and SPRY domain-containing protein 1 precursor
 NP_001018369.1 RING finger and transmembrane domain-containing protein 2
 EAW90999.1 ring finger and WD repeat domain 2, isoform CRA_a
 EGW03669.1 RING finger protein 103
 EDK98944.1 ring finger protein 103, isoform CRA_c
 NP_001004536.1 RING finger protein 113A
 NP_957315.1 ring finger protein 11a
 NP_001134947.1 RING finger protein 121
 ADO28371.1 ring finger protein 122

CAJ81763.1	ring finger protein 125
NP_001076486.1	RING finger protein 126
ABE98240.1	ring finger protein 128-like
NP_957338.1	ring finger protein 13
NP_001167101.1	RING finger protein 139
NP_001002087.1	ring finger protein 14
ELV12297.1	RING finger protein 145
NP_001139044.1	RING finger protein 150 precursor
AAH54692.1	Ring finger protein 180
NP_001134680.1	RING finger protein 181
NP_001038816.1	RING finger protein 182
ACI67023.1	RING finger protein 185
NP_001107399.1	ring finger protein 220, gene 2
NP_001070038.1	ring finger protein 220a
ADO27902.1	ring finger protein 32
AAT68081.1	RING+BBOX zinc finger protein
NP_958474.1	RING1 and YY1-binding protein A
EHB02324.1	RING-box protein 2
AAH67141.1	RIO kinase 2 (yeast)
AAQ97840.1	RIO kinase 2
AAI63762.1	Ripk11 protein
NP_956291.1	RISC-loading complex subunit tarbp2
NP_001187591.1	RNA (guanine-9-)-methyltransferase domain-containing protein 3
ELR48615.1	RNA 3'-terminal phosphate cyclase
ADO27729.1	RNA 3'-terminal phosphate cyclase-like protein
NP_001108616.1	RNA binding motif protein 14
AAI63877.1	RNA binding motif protein 19
NP_001016788.1	RNA binding motif protein 39
NP_001014392.1	RNA binding motif protein 39b
AAH70262.1	RNA binding motif protein 7
EDL09265.1	RNA binding motif, single stranded interacting protein, isoform CRA_d
NP_067452.2	RNA binding protein fox-1 homolog 1 isoform gamma
NP_956553.1	RNA binding protein with multiple splicing 2b
AAD00623.1	RNA binding/signal transduction protein QkI-3
NP_001070855.1	RNA demethylase ALKBH5
AAB03337.1	RNA helicase GLH-2
NP_001017695.1	RNA methyltransferase-like protein 1A
NP_001002873.1	RNA polymerase II subunit A C-terminal domain phosphatase
NP_001187275.1	RNA polymerase II subunit A C-terminal domain phosphatase SSU72
NP_001243755.1	RNA polymerase II-associated factor 1 homolog isoform 2
NP_001135387.1	RNA polymerase II-associated protein 3
ELK18026.1	RNA polymerase-associated protein CTR9 like protein
NP_996950.1	RNA polymerase-associated protein LEO1
NP_001077046.1	RNA polymerase-associated protein RTF1 homolog
ADO28005.1	RNA pseudouridylylase domain-containing protein 4
AAH95051.1	RNA terminal phosphate cyclase-like 1
NP_001017722.1	RNA/RNP complex-1-interacting phosphatase
NP_001020337.1	RNA-binding motif protein, X-linked 2
NP_990355.1	RNA-binding motif, single-stranded-interacting protein 1
NP_001003541.1	RNA-binding motif, single-stranded-interacting protein 2
NP_001070184.1	RNA-binding motif, single-stranded-interacting protein 3
NP_001003856.1	RNA-binding protein 12
EGV95559.1	RNA-binding protein 24
NP_956084.1	RNA-binding protein 25
NP_001012304.1	RNA-binding protein 39
NP_001035019.1	RNA-binding protein 40
NP_001007406.1	RNA-binding protein 41
NP_001003850.1	RNA-binding protein 42
NP_001120874.1	RNA-binding protein 45
NP_001108158.1	RNA-binding protein 47
NP_001093608.2	RNA-binding protein 5
CBN80589.1	RNA-binding protein 6
NP_998657.1	RNA-binding protein MEX3A
NP_001074462.1	RNA-binding protein MEX3B
NP_001013534.1	RNA-binding protein Musashi homolog 1
BAL68140.1	RNA-binding protein Musashi homolog 1 Long
NP_001133787.1	RNA-binding protein Musashi homolog 2
NP_001187556.1	RNA-binding protein PNO1
NP_956055.1	RNA-binding protein with serine-rich domain 1
EDL85859.1	RNA-binding region (RNPI, RRM) containing 2, isoform CRA_d
YP_073558.1	RNA-dependent DNA polymerase
ABN08628.1	RNA-directed DNA polymerase (Reverse transcriptase)
AEL30343.1	RNA-directed DNA polymerase
ELQ76088.1	RNA-directed DNA polymerase, Non LTR Retrotransposon, partial
XP_728120.1	RNase H
AGC11944.1	RNA-specific adenosine deaminase
AAI29485.1	Rnmt11-b protein
CAM60060.1	robo1
AAI63550.1	Robo1 protein

CAM60099.1	robo2
CAM60061.1	robo3
CAM60093.1	robo4
NP_001007161.1	rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha
CBN81839.1	Ropporin-1-like protein
NP_001108155.1	roquin
AFC34772.1	RORalpha2
AAH96929.1	Rorb protein
AFC34774.1	RORgamma2
AAH85282.1	RORgamma-A
CBN81897.1	Rotatin
EGW09161.1	Round spermatid basic protein 1-like protein
NP_571556.1	roundabout homolog 1 precursor
NP_571708.1	roundabout homolog 2 precursor
AAI63720.1	Roundabout homolog 3
EGW09905.1	Roundabout-like 2
AAQ10890.1	roundabout-like protein 4
AAH95005.1	Rpa2 protein
ADO28223.1	rpa-interacting protein a
AAI33986.1	Rpepb protein
NP_001017877.1	RPE-retinal G protein-coupled receptor
AAH67177.1	Rpia protein, partial
AAI02866.1	RPL13 protein
NP_001186284.1	RPL17-C18orf32 protein isoform 1
AAI54493.1	Rps6ka1 protein
ABY82346.1	R-ras
AAH46288.1	Rrh protein
AAH44356.1	Rrm1 protein
XP_003614387.1	RRNA intron-encoded homing endonuclease
ADO27953.1	rRNA-processing protein fcl1-like protein
NP_001025447.1	RRP12-like protein
ELK08918.1	RRP15-like protein
BAG10300.1	RRP5 protein homolog
AAI54195.1	R-spondin homolog (Xenopus laevis)
NP_001002352.1	R-spondin-1 precursor
CAP08029.1	rtn4rL2a
NP_001117653.1	rtSox23
AAI29304.1	RUN and FYVE domain containing 3
ELW66881.1	RUN and FYVE domain-containing protein 1
NP_001231848.1	RUN and FYVE domain-containing protein 2 isoform 1
NP_001007417.1	RUN domain-containing protein 3B
BAL45870.1	Runt related transcription factor 2 type1
NP_571678.1	runt-related transcription factor 1
AAI63813.1	Runt-related transcription factor 2a
BAB17903.1	runt-related transcription factor b
AAS02046.1	Runx2b
NP_777285.1	ruvB-like 2
NP_957050.1	RWD domain-containing protein 3
AAI63788.1	Rx3 protein
BAA95193.1	ryPTPR2Ac
BAA95197.1	ryPTPR5b
ELK27600.1	S phase cyclin A-associated protein in the endoplasmic reticulum, partial
NP_001082820.1	S100 calcium binding protein A1
NP_001135170.1	S100 calcium binding protein V2-like
NP_001002552.1	S100 calcium binding protein, beta (neural)
NP_001187547.1	s100-a1
NP_001187971.1	s100-a10
ACO13468.1	S100-A16
BAH72990.1	s26
NP_001188063.1	s-acyl fatty acid synthase thioesterase medium chain
ELW47412.1	S-acyl fatty acid synthase thioesterase, medium chain
NP_001155073.1	S-adenosylmethionine decarboxylase proenzyme
NP_956165.1	S-adenosylmethionine synthase isoform type-1
ACQ57926.1	S-adenosylmethionine synthetase isoform type-1
NP_998498.2	SAFB-like transcription modulator
NP_001188193.1	saga-associated factor 29-like protein
EKC38567.1	Salivary glue protein Sgs-4
NP_001139486.1	sal-like protein 1
NP_001074078.1	sal-like protein 4
EKC35581.1	SAM domain and HD domain-containing protein 1, partial
NP_001122141.1	SAM domain, SH3 domain and nuclear localisation signals, 1a
ACI33055.1	SAM domain-containing protein SAMSN-1
CBN80719.1	SAM pointed domain-containing Ets transcription factor
AAI21773.1	Samsn1a protein
NP_001028921.1	S-antigen; retina and pineal gland (arrestin) b
AAV68499.1	SAP-97A
NP_001167063.1	SAPS domain family, member 3
NP_001070999.1	sarcalumenin precursor
ABG90496.1	sarcoendoplasmic reticulum calcium ATPase

JAA04634.1 sarcolemma associated protein
 NP_956471.1 sarcolemma associated protein b
 AES06993.1 sarcolemma associated protein, partial
 NP_001070722.1 sarcolemmal membrane-associated protein
 ACO51126.1 sarcoma amplified sequence
 NP_957422.1 sarcosine dehydrogenase, mitochondrial
 NP_001139984.1 sarcospan
 NP_956853.1 S-arrestin
 AAI59117.1 Sart3 protein
 AAI54831.1 Sb:cb1022 protein
 AAH98606.1 Sb:cb152 protein
 AAH55585.1 Sb:cb157 protein
 AAI09449.1 Sb:cb283 protein, partial
 AAI34869.1 Sb:cb54 protein
 AAI15333.1 Sb:cb627 protein
 NP_999848.1 scaffold attachment factor B2
 NP_001025361.1 scavenger receptor class A member 5
 NP_001117084.1 scavenger receptor class B type I
 NP_001005304.1 sciellin
 NP_998255.1 scinderin like b
 AFQ38973.1 scinderin-like protein
 ABO77946.1 SCL-beta
 NP_001076314.1 sclerostin domain containing 1b precursor
 NP_001134370.1 Sclerostin domain-containing protein 1 precursor
 NP_775351.1 SCL-interrupting locus protein homolog
 AAH91527.1 Scnm1 protein
 NP_001107073.1 scratch homolog 1, zinc finger protein a
 NP_001014369.1 scratch homolog 1, zinc finger protein b
 ABD96046.1 Scube2
 ADO28267.1 sec13-like
 NP_878301.2 SEC14 domain and spectrin repeat-containing protein 1
 AAH97063.1 Sec23 homolog A (S. cerevisiae)
 AAH78653.1 Sec23 homolog B (S. cerevisiae)
 NP_001070847.1 SEC23-interacting protein
 AAQ91220.1 Sec23-like protein B
 CAI11950.1 SEC5-like 1 (S. cerevisiae)
 NP_001025287.1 secernin-2
 NP_956032.1 secernin-3
 NP_001005776.1 secretagogin
 NP_001098307.1 secreted frizzled-related protein 1 precursor
 AAI24708.1 Secreted frizzled-related protein 2
 NP_571933.1 secreted frizzled-related protein 5 precursor
 AAS76200.1 secreted immunoglobulin 4 precursor
 NP_001120804.1 secreted immunoglobulin domain 1 precursor
 NP_001029354.2 secreted immunoglobulin domain 4 precursor
 AEW31060.1 secreted modular calcium-binding protein 2
 ABY21332.1 secreted phosphoprotein 24
 NP_001117870.1 secreted phosphoprotein 24 precursor
 ADU04482.1 secreted-type I interferon receptor
 NP_001243568.1 secretin receptor precursor
 AAT48120.1 secretogranin II
 NP_001121826.1 secretogranin-1 precursor
 NP_001138712.1 secretory calcium-binding phosphoprotein 1 precursor
 NP_001138708.1 secretory calcium-binding phosphoprotein 5 precursor
 NP_998543.1 secretory carrier membrane protein 2 isoform 1
 NP_956200.1 secretory carrier membrane protein 2, like isoform 1
 NP_957488.1 secretory carrier membrane protein 2, like isoform 2
 NP_991255.1 secretory carrier-associated membrane protein 1
 NP_001007346.1 secretory carrier-associated membrane protein 3
 AFJ51371.1 Secretory carrier-associated membrane protein 3-like
 NP_001020696.1 secretory carrier-associated membrane protein 4
 EGV93917.1 Segment polarity protein dishevelled-like DVL-2
 NP_001025255.1 sell repeat-containing protein 1
 NP_001245158.1 selectin P ligand precursor
 NP_956864.1 selenium-binding protein 1
 NP_001103853.1 selenocysteine lyase
 NP_001032513.1 selenocysteine-specific elongation factor
 NP_001004295.2 selenophosphate synthetase 2
 AAZ80054.1 selenoprotein N
 NP_001038336.2 selenoprotein O
 NP_840082.2 selenoprotein Pa precursor
 ACO9985.1 Selenoprotein S
 NP_001091957.2 selenoprotein T2 precursor
 NP_001188199.2 selenoprotein U
 NP_840072.3 selenoprotein W
 NP_001186294.1 sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6E precursor
 CAM60070.1 sema3aa
 CAM60073.1 sema3fa
 AAI63245.1 Sema3gb protein

CAP71953.1	sema3h
AAI62689.1	Sema3h protein
AAH78280.1	Sema4e protein
AAI62398.1	Semaphorin 3aa
AAI63261.1	Semaphorin 3ab
AAW56080.1	semaphorin 3C, partial
AAI62510.1	Semaphorin 3d
ABV26010.1	semaphorin 3E
AAI63771.1	Semaphorin 3fa
NP_001014822.1	semaphorin 3fa precursor
AAW56082.1	semaphorin 3Fb
AAI63710.1	Semaphorin 3ga
NP_001014823.1	semaphorin 3ga precursor
NP_001014824.1	semaphorin 3gb precursor
NP_001121824.1	semaphorin 4B precursor
ACI25101.1	semaphorin 5a, partial
ACI25102.1	semaphorin 5b, partial
ACI25105.1	semaphorin 6bb, partial
ACI25106.1	semaphorin 6db, partial
NP_001119863.1	semaphorin 7a
NP_571136.1	semaphorin-3ab precursor
NP_001121818.1	semaphorin-3B precursor
NP_571123.1	semaphorin-3D precursor
NP_001038549.1	semaphorin-3E precursor
NP_001116184.1	semaphorin-3G precursor
NP_001121718.1	semaphorin-4C precursor
NP_571124.1	semaphorin-4E isoform 1 precursor
NP_001077334.1	semaphorin-4E isoform 2 precursor
NP_001258599.1	semaphorin-5A
NP_956286.1	semaphorin-6A precursor
NP_001108357.1	semaphorin-7A
NP_001073666.2	sentrin-specific protease 5
NP_001187849.1	sentrin-specific protease 8
ADO28050.1	sepiapterin reductase
AAH67625.1	Sept2 protein, partial
AAH97041.1	Sept7a protein
AAI00045.1	Sept8a protein
EDL91924.1	septin 2, isoform CRA_c
NP_001032456.1	septin 4a
NP_956282.1	septin 5a
NP_001014329.1	septin 9b
NP_001017557.1	septin-10
NP_997791.1	septin-6
NP_001119922.1	septin-7 isoform 2
ELK33702.1	Septin-8
NP_998338.1	sequestosome-1
NP_001167186.1	SERAC1
AAI71677.1	Serac1 protein
ABV44702.1	seraf-like protein
AAI24692.1	Sergef protein
AAH45456.1	Serinc1 protein, partial
AAH71500.1	Serine5 protein
NP_001233280.1	serine (or cysteine) peptidase inhibitor, clade F, member 2b
NP_001103844.1	serine (or cysteine) proteinase inhibitor, clade H, member 1 precursor
NP_001018429.1	serine beta-lactamase-like protein LACTB, mitochondrial
AAH66718.2	Serine carboxypeptidase 1
AAX45073.1	serine hydroxymethyltransferase
NP_001116846.1	serine hydroxymethyltransferase, mitochondrial
NP_956021.1	serine incorporator 1 precursor
NP_001038647.1	serine incorporator 2 precursor
NP_998679.1	serine incorporator 5
NP_001018307.1	serine palmitoyltransferase 1
NP_001018455.1	serine palmitoyltransferase 2
NP_001153305.1	serine palmitoyltransferase small subunit B
AAI63929.1	Serine peptidase inhibitor, Kunitz type 1 b
ACN11463.1	Serine protease 23 precursor
NP_001135189.1	Serine protease HTRA1 precursor
NP_001002219.1	serine protease HTRA1A precursor
NP_001185680.1	serine protease inhibitor Kazal-type 2 precursor
AAN10146.1	serine protease PC5-A
ACO07708.1	Serine/arginine repetitive matrix protein 1
NP_955944.1	serine/arginine-rich protein specific kinase 1a
NP_001074138.1	serine/arginine-rich protein specific kinase 1b
AES07546.1	serine/threonine kinase 10, partial
NP_001008627.1	serine/threonine kinase 35, like
NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
EDL27019.1	serine/threonine kinase 39, STE20/SPS1 homolog (yeast), isoform CRA_b
AFK10801.1	serine/threonine kinase receptor associated protein
NP_823438.1	serine/threonine protein kinase

BAD19009.1 serine/threonine protein kinase BRAF
 NP_001116996.1 serine/threonine protein kinase RAF1c
 ADO28008.1 serine/threonine/tyrosine-interacting protein a
 EGW06145.1 Serine/threonine-protein kinase 10
 NP_956582.2 serine/threonine-protein kinase 11-interacting protein
 NP_001187731.1 serine/threonine-protein kinase 12
 NP_001017630.1 serine/threonine-protein kinase 16
 NP_001082806.1 serine/threonine-protein kinase 17A
 NP_956829.1 serine/threonine-protein kinase 17B
 NP_001108564.1 serine/threonine-protein kinase 19
 NP_955966.1 serine/threonine-protein kinase 3
 NP_001038554.2 serine/threonine-protein kinase 33
 NP_001167085.1 Serine/threonine-protein kinase 4
 ELR52558.1 Serine/threonine-protein kinase B-raf, partial
 NP_956487.1 serine/threonine-protein kinase Chk1
 NP_956339.1 serine/threonine-protein kinase Chk2
 EGV97536.1 Serine/threonine-protein kinase D1
 NP_001071017.1 serine/threonine-protein kinase DCLK1
 ELK32774.1 Serine/threonine-protein kinase DCLK1, partial
 NP_001139260.1 serine/threonine-protein kinase DCLK2 isoform 3
 NP_001182429.1 serine/threonine-protein kinase DCLK2 isoform 6
 NP_001003609.2 serine/threonine-protein kinase greatwall
 NP_001070127.1 serine/threonine-protein kinase Kist
 AEP99356.1 Serine/threonine-protein kinase LATS1-like protein, partial
 NP_001116779.1 serine/threonine-protein kinase LATS2 isoform 1
 NP_001121728.1 serine/threonine-protein kinase LATS2 isoform 2
 NP_001186372.1 serine/threonine-protein kinase MRCK alpha
 NP_001038559.1 serine/threonine-protein kinase MRCK alpha isoform 1
 NP_001120949.1 serine/threonine-protein kinase MST4
 AEQ00483.1 Serine/threonine-protein kinase N2-like protein, partial
 ELK07247.1 Serine/threonine-protein kinase N3
 NP_957344.1 serine/threonine-protein kinase Nek2
 NP_957306.1 serine/threonine-protein kinase Nek4
 NP_001003617.1 serine/threonine-protein kinase Nek7
 NP_620776.1 serine/threonine-protein kinase Nek8
 CBN81996.1 Serine/threonine-protein kinase OSR1
 ELW65031.1 Serine/threonine-protein kinase PAK 1
 ELK17604.1 Serine/threonine-protein kinase PAK 2, partial
 ELK29178.1 Serine/threonine-protein kinase PAK 3
 NP_001002222.1 serine/threonine-protein kinase PAK 4
 AFJ51409.1 Serine/threonine-protein kinase PAK 4-like
 NP_001032789.2 serine/threonine-protein kinase pdk11
 ELK03426.1 Serine/threonine-protein kinase Pim-2
 NP_001008628.1 serine/threonine-protein kinase PINK1, mitochondrial
 NP_001003890.3 serine/threonine-protein kinase PLK1
 ACQ57974.1 Serine/threonine-protein kinase PLK4
 ELK37952.1 Serine/threonine-protein kinase PRKX
 NP_998614.1 serine/threonine-protein kinase PRP4 homolog
 AAB03269.1 serine/threonine-protein kinase PRP4m
 NP_705929.1 serine/threonine-protein kinase receptor R3 precursor
 NP_998160.1 serine/threonine-protein kinase RIO1
 NP_954682.1 serine/threonine-protein kinase Sgk1
 NP_001107094.1 serine/threonine-protein kinase Sgk2
 NP_001103937.1 serine/threonine-protein kinase Sgk3
 NP_001119855.1 serine/threonine-protein kinase SIK1
 NP_001073513.2 serine/threonine-protein kinase SMG1
 ELK33799.1 Serine/threonine-protein kinase SRPK1
 ELK01330.1 Serine/threonine-protein kinase SRPK2
 NP_001017839.1 serine/threonine-protein kinase STK11
 NP_079418.1 serine/threonine-protein kinase TAO1 isoform 2
 NP_001038213.2 serine/threonine-protein kinase TBK1
 NP_001191752.1 serine/threonine-protein kinase TNN13K
 NP_001020122.1 serine/threonine-protein kinase tousled-like 1-B
 NP_957464.1 serine/threonine-protein kinase VRK2
 NP_001013586.1 serine/threonine-protein kinase VRK3
 EGW02324.1 Serine/threonine-protein kinase WNK3
 NP_956070.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform
 NP_998045.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B delta isoform
 NP_001032471.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B gamma isoform
 NP_998483.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform
 ELK27241.1 Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform
 NP_001038286.2 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform
 NP_001005590.1 serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
 NP_001003425.2 serine/threonine-protein phosphatase 2A activator
 NP_001135228.1 Serine/threonine-protein phosphatase 2A regulatory subunit B
 NP_956425.1 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit gamma
 NP_001017856.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha
 EKC29685.1 Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
 EKC39427.1 Serine/threonine-protein phosphatase 4 catalytic subunit

NP_001104638.1 serine/threonine-protein phosphatase 4 catalytic subunit B
 ELR57245.1 Serine/threonine-protein phosphatase 4 catalytic subunit, partial
 NP_956554.1 serine/threonine-protein phosphatase 4 regulatory subunit 1
 NP_001103841.1 serine/threonine-protein phosphatase 4 regulatory subunit 2-B
 NP_001038274.1 serine/threonine-protein phosphatase 4 regulatory subunit 3
 NP_001018164.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C
 NP_001007324.2 serine/threonine-protein phosphatase PGAM5, mitochondrial precursor
 NP_001108202.1 serine/threonine-protein phosphatase with EF-hands 2
 ACO09121.1 Serine--pyruvate aminotransferase
 ACI33737.1 Serine--pyruvate aminotransferase, mitochondrial precursor
 AAK01368.1 serine-threonine kinase receptor-associated protein
 NP_001167106.1 Serologically defined colon cancer antigen 1 homolog
 NP_001103754.1 serologically defined colon cancer antigen 3 homolog
 EAW77088.1 serologically defined colon cancer antigen 8, isoform CRA_d
 NP_956998.1 serotonin N-acetyltransferase
 ADX97117.1 serotransferrin
 ELK35477.1 Serpin B8
 AAI53542.1 Serpin peptidase inhibitor, clade A (alpha-1 antiprotease, antitrypsin), member 7
 NP_001002653.1 serpin peptidase inhibitor, clade B (ovalbumin), member 1
 NP_001038636.1 serpin peptidase inhibitor, clade B, member 1, like 2
 NP_001099059.2 serpin peptidase inhibitor-like precursor
 AAH62869.1 Serpina1 protein, partial
 YP_007137194.1 serralyisin
 NP_775345.2 serrate RNA effector molecule homolog
 NP_997959.1 SERTA domain-containing protein 2
 AAB37126.1 ser-thr protein kinase PK428
 ELW70752.1 Serum amyloid A-3 protein
 AAH44415.1 Serum amyloid A-like 1
 NP_001004584.2 serum deprivation-response protein
 NP_998213.2 serum response factor binding protein 1
 NP_001070770.2 serum/glucocorticoid regulated kinase 1-like
 NP_001070032.1 serum/glucocorticoid regulated kinase 2b
 BAI44435.1 seryl-tRNA synthetase 2
 NP_001003882.1 seryl-tRNA synthetase, cytoplasmic
 EAW56370.1 seryl-tRNA synthetase, isoform CRA_f
 AAI34177.1 Sesn2 protein
 NP_001073444.1 sestrin 2
 NP_001002660.1 sestrin-1
 NP_991103.1 SET and MYND domain containing 1
 NP_001034725.1 SET and MYND domain-containing protein 1
 NP_001032477.1 SET and MYND domain-containing protein 3
 NP_001070062.1 SET and MYND domain-containing protein 4
 NP_001004614.2 SET and MYND domain-containing protein 5
 AAI71599.1 SET domain and mariner transposase fusion gene
 AAI55279.1 SET domain containing 3
 NP_001039027.1 SET domain-containing protein 4
 ABC88479.1 SET domain bifurcated 2
 AAI34080.1 Setd1ba protein
 AAI24602.1 Setd1b protein
 BAE48780.1 sex hormone-binding globulin type-I
 BAE48781.1 sex hormone-binding globulin type-II
 AAI63938.1 Sfl protein
 NP_001188050.1 s-formylglutathione hydrolase
 AES07410.1 SFRS protein kinase 2, partial
 AAH76555.1 Sfrs18 protein
 AAH63235.1 Sfrs5a protein
 AAH27391.1 Sfrs7 protein
 AAI14253.1 Sft2d3 protein
 AAH48044.1 Sfxn2 protein
 NP_001108163.1 SH2 domain containing 1A duplicate a
 NP_957370.1 SH2 domain containing 3Cb
 NP_001187495.1 sh2 domain-containing protein 1a
 NP_001187922.1 sh2 domain-containing protein 1b
 NP_001133980.1 SH2 domain-containing protein 4A
 NP_001014365.1 SH2 domain-containing protein 5
 NP_001103925.1 SH2B adapter protein 1
 NP_001003505.1 SH3 and cysteine-rich domain-containing protein 3
 NP_001121819.1 SH3 and multiple ankyrin repeat domains 2
 EAW74779.1 SH3 and multiple ankyrin repeat domains 2, isoform CRA_i
 CBN81277.1 SH3 and multiple ankyrin repeat domains protein 1, partial
 EGW14541.1 SH3 and multiple ankyrin repeat domains protein 3
 NP_001153494.1 SH3 and PX domain-containing protein 2A
 NP_001003524.1 SH3 domain-binding glutamic acid-rich protein
 NP_001188088.1 sh3 domain-binding glutamic acid-rich-like protein 2
 NP_956572.1 SH3 domain-binding glutamic acid-rich-like protein 3
 NP_594446.1 SH3 domain-containing protein
 NP_001116767.1 SH3-domain binding protein 4
 NP_956475.2 SH3-domain GRB2-like 3b
 NP_001243545.1 SH3-domain GRB2-like endophilin B1

NP_945332.2 shadow of prion protein precursor
 NP_956137.1 SHC SH2 domain-binding protein 1
 NP_001038438.1 SHC-transforming protein 2
 BAA22368.1 shh
 AAR19208.1 SHH precursor
 AAI69939.1 Shirin
 AAH66496.1 Shmt1 protein
 NP_987120.1 short chain dehydrogenase/reductase
 NP_999936.1 short chain dehydrogenase/reductase family 16C, member 5b
 CBN82016.1 Short transient receptor potential channel 1
 CBN81547.1 Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
 NP_001099077.1 short-chain dehydrogenase/reductase 10 precursor
 NP_001003743.1 short-chain specific acyl-CoA dehydrogenase, mitochondrial
 AFW98423.1 Shroom3v1
 NP_001131126.1 shugoshin1
 AAI71668.1 Si:busm1-112p11.1 protein
 AAI39651.1 Si:busm1-142b24.1 protein
 AAI29300.1 Si:busm1-211o13.10
 CAD58737.1 SI:bY184L24.4 (novel protein)
 NP_001138258.1 si:ch1073-126c3.2 precursor
 AAH95730.1 Si:ch211-101118.3 protein, partial
 AAH91939.1 Si:ch211-103f16.1 protein, partial
 AAI55214.1 Si:ch211-103f16.2 protein
 AAI34974.1 Si:ch211-105d11.3
 NP_001139237.1 si:ch211-10a23.2
 AAI24137.1 Si:ch211-114c12.2
 AAI71580.1 Si:ch211-125a15.2 protein
 AAH97241.1 Si:ch211-129c21.6 protein
 AAI42773.1 Si:ch211-132b12.8
 AAI60623.1 Si:ch211-138a11.5 protein
 AAI52517.1 Si:ch211-13c6.2 protein
 AAH90698.1 Si:ch211-13k12.1 protein
 AAI16606.1 Si:ch211-13n20.1
 AAI35102.1 Si:ch211-140m22.6 protein
 AAI59234.1 Si:ch211-142e24.2 protein
 AAH90477.1 Si:ch211-145b13.4 protein
 AAI54252.1 Si:ch211-147a11.3 protein
 AAH93410.1 Si:ch211-147a11.7 protein
 AAI53394.1 Si:ch211-154o6.6 protein
 AAI15298.1 Si:ch211-154o6.7 protein
 AAI71494.1 Si:ch211-15i6.4 protein
 AAH97239.1 Si:ch211-160d20.3 protein
 AAH91813.1 Si:ch211-175f11.3 protein
 NP_001122272.1 si:ch211-184m13.4
 NP_001170918.1 si:ch211-188c16.1
 AAH91976.1 Si:ch211-194e15.1 protein
 AAI14228.1 Si:ch211-195d17.2 protein
 NP_001123874.1 si:ch211-195h23.3
 AAH90771.1 Si:ch211-196f5.1 protein, partial
 AAI51897.1 Si:ch211-197g15.10 protein
 AAI55646.1 Si:ch211-197g15.7 protein
 AAI34242.1 Si:ch211-199c19.3 protein
 NP_001076384.1 si:ch211-199g17.3
 AAH84688.1 Si:ch211-203b8.5 protein
 AAI34976.1 Si:ch211-203h15.1 protein
 AAI61621.1 Si:ch211-204a13.4 protein
 NP_001139062.1 si:ch211-206k20.5
 AAI54341.1 Si:ch211-208c9.4 protein
 CAP07988.1 si:ch211-215e19.1
 AAI42891.1 Si:ch211-218c6.6 protein
 AAH91834.1 Si:ch211-218c6.6 protein, partial
 AAH78229.1 Si:ch211-219a4.7 protein
 NP_001156319.1 si:ch211-225p5.3 precursor
 AAH92871.1 Si:ch211-234f20.3 protein
 AAI24388.1 Si:ch211-234g24.1 protein
 AAI55855.1 Si:ch211-239h19.1 protein
 AAH95837.1 Si:ch211-242m18.4 protein
 AAI71604.1 Si:ch211-244b2.1
 AAI59229.1 Si:ch211-245h14.3 protein
 NP_001138274.1 si:ch211-251b21.1 precursor
 AAI07836.1 Si:ch211-261c8.1 protein
 AAI39624.1 Si:ch211-262h13.5
 AAI42602.1 Si:ch211-276g21.1 protein
 AAI50169.1 Si:ch211-278b8.3 protein
 AAI63269.1 Si:ch211-278j3.3 protein
 CAM60074.1 si:ch211-278n20.1
 NP_001139174.1 si:ch211-281g13.4
 AAI16487.1 Si:ch211-284e13.2 protein
 AAI71522.1 Si:ch211-51e12.4 protein

AAI55053.1 Si:ch211-51m24.3 protein
AAI68503.1 Si:ch211-63j24.3 protein
AAI51904.1 Si:ch211-66b9.3 protein
AAH56735.1 Si:ch211-89p1.3 protein
AAH90538.1 Si:ch211-93f2.1 protein
AAI50352.1 Si:ch73-252g14.4 protein
NP_001139084.1 si:ch73-41e3.7
AAI71478.1 Si:dkey-102f14.5
AAI39626.1 Si:dkey-103i16.1 protein
AAI42783.1 Si:dkey-105o6.2 protein
AAI55834.1 Si:dkey-10p5.7
AAH44565.1 Si:dkey-11p23.2 protein
AAI71433.1 Si:dkey-14a7.1 protein
AAH95230.1 Si:dkey-151c10.1 protein
AAI42754.1 Si:dkey-15j16.2
CAM73201.1 si:dkey-15j16.3
AAI24376.1 Si:dkey-172m14.1 protein
NP_001122014.1 si:dkey-189g17.2
AAI46716.1 Si:dkey-202b22.2
AAI62567.1 Si:dkey-202c5.1 protein
NP_001076364.1 si:dkey-211g8.6
AAI55144.1 Si:dkey-218f9.5 protein
AAI28827.1 Si:dkey-218h11.4 protein
AAH79508.1 Si:dkey-220f10.6 protein
AAI39579.1 Si:dkey-222f8.3 protein
NP_999963.1 si:dkey-235k4.1
AAI71560.1 Si:dkey-240a12.1 protein
AAI61661.1 Si:dkey-246a16.2 protein
AAI71396.1 Si:dkey-25f3.3
AAI29382.1 Si:dkey-264p5.1 protein
AAI71654.1 Si:dkey-270i2.2
AAI39618.1 Si:dkey-286j20.1 protein
NP_001104304.1 si:dkey-29d8.3
NP_001155071.1 si:dkey-33c12.4
AAI24280.1 Si:dkey-42i9.6 protein
AAH60943.1 Si:dkey-52h23.1 protein
NP_001020700.2 si:dkey-5g7.3
AAH97228.1 Si:dkey-60a16.5 protein, partial
AAH91909.1 Si:dkey-78p20.2 protein
AAI33988.1 Si:dkey-86e18.1 protein
AAI15309.1 Si:dkey-81i3.4 protein
NP_001153137.1 si:dkey-91i10.2
AAH90742.1 Si:dkey-91i17.1 protein
AAI55758.1 Si:dkey-98f17.2 protein
NP_001116178.1 si:dkey-98f17.3
AAH83433.1 Si:dkey-98p3.7
AAI25935.1 Si:dkey-9a20.6
AAI63171.1 Si:dkeyp-113d7.1
AAH67657.1 Si:dkeyp-20e4.1 protein
AAH95716.1 Si:dkeyp-68f9.12 protein
AAI53531.1 Si:dkeyp-84a8.8
CAD60684.1 SI:dZ186K12.1 (multiple endocrine neoplasia type 1 (menin 1))
CAD60683.1 SI:dZ186K12.2 (novel protein kinase)
CAD59113.1 SI:dZ254O17.3 (homeo box protein B6a)
CAD61082.1 SI:dZ46M7.1 (novel protein similar to human and mouse lysophosphatidic acid receptor (EDG2))
CAE30372.1 SI:dZ63M10.1 (novel MHC class I antigen)
CAE30375.1 SI:dZ63M10.4 (novel protein similar to human chromosome 21 open reading frame 18 (C21orf18))
CAD61105.1 SI:dZ69G10.3 (novel protein similar to human transmembrane protease, serine 3 (TMPRSS3))
CAD61107.1 SI:dZ69G10.5 (novel protein similar to human intersectin (SH3 domain protein, ITSN1), long variant)
CAD61102.1 SI:dZ73O4.2 (novel protein similar to human signal transducer and activator of transcription (STAT))
CAD43455.2 SI:dZ87I4.1 (novel protein similar to human signal transducer and activator of transcription (STAT1))
CAD43456.1 SI:dZ87I4.2 (novel glutaminase)
CAE17636.1 SI:dZ99M4.1 (novel protein with immunoglobulin domain)
NP_001189372.1 si:rp71-1p14.10
AAI22322.1 Si:rp71-45k5.3 protein
AAH56585.1 Si:rp71-61h23.4 protein
AAH85594.1 Si:rp71-81o21.1
NP_001106903.1 sia-alpha-2,3-Gal-beta-1,4-GlcNAc-R:alpha 2,8-sialyltransferase
NP_001037796.1 sialate O-acetyltransferase precursor
NP_996660.1 sialic acid synthase
NP_001095865.1 sialic acid-binding Ig-like lectin 15 precursor
NP_001038374.1 sialidase-1 precursor
NP_001070195.1 sialin
NP_001003537.1 sideroflexin-1
NP_997895.1 sideroflexin-2
NP_001070130.1 sideroflexin-4
NP_001025334.1 sideroflexin-5
NP_957271.1 sigma non-opioid intracellular receptor 1
ACO13431.1 Signal peptidase complex subunit 1

NP_988942.1 signal peptide peptidase like 3
 NP_001015067.1 signal peptide peptidase-like 2B isoform 1 precursor
 NP_001133805.1 Signal peptide peptidase-like 2B precursor
 NP_001247429.1 signal peptide, CUB and EGF-like domain-containing protein 1 precursor
 NP_001014813.1 signal peptide, CUB and EGF-like domain-containing protein 2 precursor
 NP_001247430.1 signal peptide, CUB and EGF-like domain-containing protein 3 precursor
 NP_001028913.1 signal recognition particle 14 kDa protein
 NP_001187797.1 signal recognition particle 19 kDa protein
 NP_957282.1 signal recognition particle 54 kDa protein
 ACO09810.1 Signal recognition particle receptor subunit alpha
 NP_001188152.1 signal recognition particle receptor, B subunit
 ABC75558.1 signal sequence receptor delta
 AAO88245.1 signal transducer and activator of transcription 1
 NP_571555.1 signal transducer and activator of transcription 1-alpha/beta
 NP_001098308.1 signal transducer and activator of transcription 3
 NP_001004510.1 signal transducer and activator of transcription 4
 ACU12487.1 signal transducer and activator of transcription 5
 NP_001003984.1 signal transducer and activator of transcription 5.2
 ACK75717.1 signal transducer and activator of transcription 5b
 ACU12488.1 signal transducer and activator of transcription 6
 NP_001124062.1 signal transducer and activator of transcription 6, interleukin-4 induced
 NP_001007370.1 signal transducing adapter molecule 2
 NP_942103.1 signal transducing adaptor family member 2
 AAH60933.1 Signal transduction and activation of transcription 1a
 NP_001025340.1 signal-induced proliferation-associated 1-like protein 1
 AAI29134.1 Silva protein
 EDL89800.1 similar to cDNA sequence BC004044, isoform CRA_b
 AAI62523.1 Similar to cytochrome b561
 EDM17572.1 similar to D7Wsu128e protein
 BAF37940.1 Similar to DCC-interacting protein 13a
 EAL24254.1 similar to Dual specificity protein kinase CLK2 (CDC like kinase 2)
 AAP06232.1 similar to GenBank Accession Number AB073376 non-LTR retrotransposable element partially supported by GENSCAN in Oryzias latipes
 EDL75010.1 similar to Laminin alpha-3 chain precursor (Nicein alpha subunit), isoform CRA_b
 BAC75706.1 similar to maternal embryonic leucine zipper kinase
 AAI63533.1 Similar to NF-kappa-B-repressing factor (NFKB-repressing factor) (Transcription factor NRF) (ITBA4 protein)
 EDL82185.1 similar to nucleolar protein family A, member 1, isoform CRA_a
 EDM06799.1 similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats (predicted)
 EAL24267.1 similar to Six transmembrane epithelial antigen of prostate
 BAF37938.1 Similar to Tetraodon protein product CAG00085
 NP_001243552.1 Sin3A-associated protein b
 NP_957014.1 sin3-associated polypeptide
 AAH59414.1 Sine oculis homeobox homolog 3a
 NP_571438.1 sine oculis homeobox homolog 3b
 NP_571793.2 sine oculis homeobox homolog 4a
 NP_001124080.1 sine oculis homeobox homolog 9
 NP_001092088.1 sine oculis-binding protein homolog
 ELK00611.1 Sine oculis-binding protein like protein
 NP_001122206.1 sine oculis-related homeobox 2b
 NP_001018421.1 sine oculis-related homeobox 6b
 AEE36492.1 single chain Fv antibody, partial
 NP_001091720.1 single Ig IL-1-related receptor precursor
 NP_001124115.1 single stranded DNA binding protein 3a
 NP_998615.1 single stranded DNA binding protein 3b
 NP_835740.1 single-minded homolog 1-A
 NP_571911.1 single-minded homolog 2
 ELK00052.1 Single-minded like protein 1
 NP_077148.1 single-stranded DNA-binding protein 2 isoform 1
 AAI63716.1 Sipa111 protein
 NP_001073643.1 sirtuin 3
 NP_001187663.1 sister chromatid cohesion protein dcc1
 NP_957286.2 sister chromatid cohesion protein PDS5 homolog A
 NP_001013544.1 six-cysteine containing astacin protease 3 precursor
 AAX28387.2 SJCHGC01615 protein
 AAX30323.2 SJCHGC03012 protein
 AAX30328.2 SJCHGC03018 protein
 AAX26836.2 SJCHGC03019 protein
 AAX30334.2 SJCHGC03026 protein
 AAX30342.1 SJCHGC03036 protein
 AAX30461.1 SJCHGC03782 protein
 ABA40812.1 SJCHGC03949 protein
 AAW25703.1 SJCHGC03999 protein
 AAX25963.2 SJCHGC04741 protein
 AAW27790.1 SJCHGC04878 protein
 AAW24752.1 SJCHGC04881 protein
 AAX25870.2 SJCHGC05390 protein
 AAW24957.1 SJCHGC06004 protein
 AAW24907.1 SJCHGC06398 protein
 AAX28135.2 SJCHGC07585 protein
 AAX27441.2 SJCHGC08991 protein

ABA40296.1	SJCHGC09003 protein
AAAX25877.2	SJCHGC09533 protein
AAAX30961.2	SJCHGC09650 protein
NP_955841.1	Sjogren syndrome antigen B (autoantigen La)
NP_001006010.1	Sjogren syndrome/scleroderma autoantigen 1
NP_001134042.1	Skeletal muscle and kidney-enriched inositol phosphatase
ACA33869.1	skeletal muscle myosin heavy chain
ABY50125.1	skeletal muscle ryanodine receptor isoform alpha
NP_001038598.1	SKI family transcriptional corepressor 1 homolog-B
NP_001124124.1	SKI family transcriptional corepressor 1a
NP_571010.2	ski oncogene
NP_001124141.1	ski-like protein
AAI71377.1	Skiv2l protein
NP_001005305.1	SLAIN motif family, member 1a
ACI70099.1	SLAM family member 8 precursor
AAI59264.1	Slc10a4 protein
AAI55804.1	Slc12a3 protein
AFI42054.1	slc15A1 protein
AAI24582.1	Slc15a2 protein
AAH90766.1	Slc18a2 protein
AAI15285.1	Slc23a1 protein
BAE75794.1	Slc26a3
AAI63234.1	Slc30a2 protein
AAH58300.1	Slc30a6 protein, partial
AAH68979.1	Slc35c2 protein
AAH97056.1	Slc37a2 protein
AAI62757.1	Slc39a6 protein
AAI62559.1	Slc4a4 protein
AAI31543.1	SLC5A2 protein
AAH17691.1	Slc5a8 protein
AAI15269.1	Slc5a9 protein
ACL80214.1	slc7a8
AAI71608.1	Slc9a3.1 protein
NP_001128575.1	slingshot 2-like
EAW51212.1	slingshot homolog 2 (Drosophila), isoform CRA_d
AAI63538.1	Slit homolog 1a (Drosophila)
NP_571810.1	slit homolog 2 protein precursor
NP_571811.2	slit homolog 3 protein precursor
AAW57297.1	slit-like 2 protein
ELR51473.1	SLIT-ROBO Rho GTPase-activating protein 1, partial
NP_001041700.1	SLIT-ROBO Rho GTPase-activating protein 2
NP_001096096.2	slow myosin heavy chain 2
ADO28175.1	slowmo-like 2
ABW79870.1	SLP-76
AAH95556.1	Sltm protein
NP_001019981.2	SMAD family member 6a
AES07086.1	SMAD specific E3 ubiquitin protein ligase 1, partial
AAQ02337.1	Smad1
ABI94729.1	Smad3
BAB71797.1	Smad4 type4
NP_956488.1	small acidic protein
NP_001121720.1	small conductance calcium-activated potassium channel protein 1
NP_001038912.2	small CTD phosphatase 3-like
NP_001186804.1	small EDRK-rich factor 2 isoform a
NP_998495.1	small G protein signaling modulator 3
ACH70837.1	small glutamine-rich tetratricopeptide repeat (TPR)-containing
ADO28442.1	small glutamine-rich tetratricopeptide repeat-containing protein alpha
NP_001002225.1	small glutamine-rich tetratricopeptide repeat-containing protein beta
ELR12938.1	small Gprotein
NP_997914.2	small GTPase RhoA
ABR24805.1	small heat shock protein Hspb12
NP_001013546.1	small integral membrane protein 12
NP_001153418.1	small integral membrane protein 15
NP_001002185.1	small muscular protein
CAD43720.1	small nuclear ribonucleoprotein component
ADO28363.1	small nuclear ribonucleoprotein e
NP_991230.1	small nuclear ribonucleoprotein polypeptides B and B1
ACO13284.1	Small nuclear ribonucleoprotein Sm D2
NP_001154102.1	Small nuclear ribonucleoprotein Sm D3
EHB04741.1	Small nuclear ribonucleoprotein Sm D3, partial
NP_956557.1	small nuclear RNA activating complex, polypeptide 1a
NP_001139892.1	Small proline-rich protein 2H
NP_001017842.1	small RNA 2'-O-methyltransferase
EHB06649.1	Small subunit processome component 20-like protein
NP_001154066.1	small ubiquitin-related modifier 1
AAH47827.1	Smarcc1 protein
AAH62102.1	Smarcc2 protein, partial
AAH77955.1	Smarcd1 protein, partial
BAC76893.1	SMC1 alpha

AAI65249.1 Smc3 protein

NP_001188249.1 S-methyl-5'-thioadenosine phosphorylase

ABW04145.1 smooth muscle cell-specific protein SM22 alpha

NP_001013339.1 smoothelin-like 1

NP_997970.1 smoothelin-like protein 2

NP_571102.1 smoothened homolog precursor

EGV98182.1 Smoothened-like

AAH66413.1 Smox protein

AAH90828.1 Smtnl protein

AAI61653.1 Smyhc1 protein

AAH95380.1 Smyhc1 protein, partial

ELV10257.1 Sn1-specific diacylglycerol lipase alpha

NP_571064.2 snail 1b

NP_001120305.1 snail family zinc finger 3

NP_001133951.1 snail homolog Sna

AAH75868.1 SNF related kinase

NP_957127.1 SNF-related serine/threonine-protein kinase

AAI68505.1 Snrk protein

NP_956548.1 snRNA-activating protein complex subunit 1

NP_957409.1 snRNA-activating protein complex subunit 3

NP_001245339.1 snRNA-activating protein complex subunit 4

NP_001073632.1 snRNA-activating protein complex subunit 5

AAI17603.1 Snrnp70 protein

AAH59527.1 Snrpb2 protein

NP_955988.1 snurportin-1

NP_001002864.1 SNW domain-containing protein 1

AAI33123.1 Snw1 protein

AAI50243.1 Snx1 protein

AAH55622.1 Snx10a protein

NP_001007363.1 sodium- and chloride-dependent GABA transporter 1

ACN11066.1 Sodium- and chloride-dependent GABA transporter 2

NP_001009557.1 sodium- and chloride-dependent glycine transporter 2

NP_001119858.1 sodium- and chloride-dependent taurine transporter

ACK37865.1 sodium bicarbonate cotransporter

NP_001153300.1 sodium bicarbonate transporter-like protein 11

AAO60421.1 sodium channel 2

ABB84810.1 sodium channel 3

AAO60423.1 sodium channel 4

AAO60426.1 sodium channel 7

ACO09996.1 Sodium channel beta-1 subunit precursor

ABO30514.1 sodium channel beta1 subunit short form

NP_001187288.1 sodium channel modifier 1

ELK28173.1 Sodium channel protein type 1 subunit alpha

NP_001038360.1 sodium channel protein type 2 subunit alpha

NP_001034914.1 sodium channel protein type 4 subunit alpha A

ELR44938.1 Sodium channel protein type 4 subunit alpha, partial

NP_001071097.1 sodium channel subunit beta-2

NP_001038387.1 sodium channel, voltage gated, type XII, alpha a

NP_001038588.1 sodium channel, voltage gated, type XII, alpha b

EAX11335.1 sodium channel, voltage-gated, type III, alpha, isoform CRA_e

NP_571703.1 sodium channel, voltage-gated, type VIII, alpha a

NP_001038648.1 sodium channel, voltage-gated, type VIII, alpha b

ABU68837.1 sodium hydrogen exchanger 7

ABU68838.1 sodium hydrogen exchanger 8

NP_001017549.2 sodium leak channel non-selective protein precursor

AAT48994.1 sodium potassium ATPase beta subunit

ACB45515.1 sodium/calcium exchanger 1 isoform b

NP_001034233.1 sodium/calcium exchanger 1 precursor

NP_001116756.1 sodium/calcium exchanger 2 precursor

NP_001116728.1 sodium/calcium exchanger 3 precursor

NP_001133541.1 Sodium/glucose cotransporter 2

NP_001107077.1 sodium/glucose cotransporter 4

NP_001106952.1 sodium/hydrogen exchanger 1 precursor

ELW72672.1 Sodium/hydrogen exchanger 3

NP_001106943.1 sodium/hydrogen exchanger 5 precursor

NP_001008586.1 sodium/hydrogen exchanger 8 precursor

NP_001082860.1 sodium/iodide cotransporter

NP_001007301.1 sodium/myo-inositol cotransporter 2

NP_001017770.1 sodium/potassium/calcium exchanger 4 precursor

NP_001025451.1 sodium/potassium/calcium exchanger 5 precursor

ELW71044.1 Sodium/potassium-transporting ATPase subunit alpha-3

NP_956839.1 sodium/potassium-transporting ATPase subunit beta-1-interacting protein 1 precursor

ADO28124.1 sodium/potassium-transporting ATPase subunit beta-233

NP_001030141.1 sodium-coupled monocarboxylate transporter 1

NP_956662.1 sodium-coupled monocarboxylate transporter 2

NP_001158777.1 Sodium-coupled neutral amino acid transporter 2

CBN80583.1 Sodium-coupled neutral amino acid transporter 3

AEF30425.1 sodium-dependent citrate transporter

NP_001082989.1 sodium-dependent glucose transporter 1

NP_001108369.1 sodium-dependent neutral amino acid transporter B(0)AT3
 NP_001135287.1 Sodium-dependent neutral amino acid transporter B0
 NP_878297.1 sodium-dependent phosphate transport protein 2B
 NP_997753.1 sodium-dependent phosphate transporter 1-B
 NP_001071014.1 sodium-dependent phosphate transporter 2
 NP_001167328.1 Sodium-dependent proline transporter
 NP_001035061.1 sodium-dependent serotonin transporter
 BAK52532.1 sodium-dependent Vitamin C transporter 2
 NP_001033217.1 sodium-driven chloride bicarbonate exchanger
 BAC80221.1 soluble guanylyl cyclase alpha2 subunit
 BAC78395.1 Solo
 CCD04139.1 soluble guanylate cyclase large subunit alpha 1
 NP_001098158.1 soluble guanylyl cyclase alpha2 subunit
 AAR99506.1 soluble neuropilin 1b
 BAF94332.1 solute carrier family
 NP_001177234.1 solute carrier family 1 (glial high affinity glutamate transporter), member 2a
 AAH49340.1 Solute carrier family 1 (glial high affinity glutamate transporter), member 3
 NP_997805.1 solute carrier family 1 (glial high affinity glutamate transporter), member 3a
 NP_001177232.1 solute carrier family 1 (glial high affinity glutamate transporter), member 3b
 NP_001177689.1 solute carrier family 1 (glutamate transporter), member 7b
 NP_001177688.1 solute carrier family 1 (glutamate transporter), member 9
 NP_001002080.1 solute carrier family 12 member 2 isoform 1
 NP_001157126.1 solute carrier family 12 member 2 isoform 2
 NP_001038545.1 solute carrier family 12 member 3
 NP_001121749.1 solute carrier family 12 member 8
 NP_001122020.1 solute carrier family 12 member 9
 AAH44437.1 Solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2
 NP_954975.1 solute carrier family 13 member 1
 NP_998617.2 solute carrier family 13 member 2
 NP_998067.1 solute carrier family 13 member 3
 EGW06935.1 Solute carrier family 13 member 5
 NP_001136038.1 solute carrier family 13, member 5
 NP_001034917.1 solute carrier family 15 member 2
 NP_957251.1 solute carrier family 15 member 4
 NP_001245294.1 solute carrier family 16 (monocarboxylic acid transporters), member 1B
 NP_001245159.1 solute carrier family 16 (monocarboxylic acid transporters), member 2
 NP_001003552.1 solute carrier family 16 (monocarboxylic acid transporters), member 9
 NP_956704.1 solute carrier family 16 (monocarboxylic acid transporters), member 9a
 NP_001074068.2 solute carrier family 16, member 4
 NP_001002635.1 solute carrier family 17, member 9b
 NP_001017841.1 solute carrier family 18, subfamily B, member 1
 NP_001107902.1 solute carrier family 2 (facilitated glucose transporter), member 11b
 NP_001073485.1 solute carrier family 2 (facilitated glucose transporter), member 11-like
 NP_001089323.1 solute carrier family 2 (facilitated glucose transporter), member 13
 NP_001156013.1 solute carrier family 2 (facilitated glucose transporter), member 15a
 NP_001018330.1 solute carrier family 2 (facilitated glucose transporter), member 15b
 NP_001159589.1 solute carrier family 2 (facilitated glucose transporter), member 9-like 1
 NP_001008187.1 solute carrier family 2 (facilitated glucose/fructose transporter), member 5
 NP_001135265.1 Solute carrier family 2, facilitated glucose transporter member 11
 NP_95832.1 solute carrier family 2, facilitated glucose transporter member 12
 NP_001002643.1 solute carrier family 2, facilitated glucose transporter member 3
 ELK03794.1 Solute carrier family 2, facilitated glucose transporter member 4
 NP_997963.1 solute carrier family 2, facilitated glucose transporter member 8
 NP_001020659.1 solute carrier family 22 member 16
 NP_001032462.1 solute carrier family 22 member 18
 NP_998315.1 solute carrier family 22 member 2
 ACN60266.1 Solute carrier family 22 member 4
 NP_996960.1 solute carrier family 22 member 6
 NP_001070840.2 solute carrier family 22, member 13
 NP_956643.1 solute carrier family 22, member 7-like
 NP_001166970.1 solute carrier family 23 member 1
 ELK17190.1 Solute carrier family 23 member 3
 EDL32071.1 solute carrier family 25 (mitochondrial carrier, Graves disease autoantigen), member 16, isoform CRA_a
 NP_998573.1 solute carrier family 25 (mitochondrial carrier: glutamate), member 22
 NP_001074107.1 solute carrier family 25 (mitochondrial carrier: ornithine transporter) member 15a
 AAH67565.1 Solute carrier family 25 (mitochondrial carrier: phosphate carrier), member 3
 NP_998322.1 solute carrier family 25 member 33
 NP_001070070.1 solute carrier family 25 member 38-A
 NP_001189387.1 solute carrier family 25 member 38-B
 NP_956780.1 solute carrier family 25 member 39
 NP_001133326.1 Solute carrier family 25 member 40
 NP_001188057.1 solute carrier family 25 member 44
 NP_001002558.1 solute carrier family 25 member 46
 NP_001083050.1 solute carrier family 25 member 47-B
 NP_001002367.1 solute carrier family 25 member 48
 NP_956901.1 solute carrier family 25, member 1
 NP_991112.1 solute carrier family 25, member 16
 AAI54348.1 Solute carrier family 25, member 43
 NP_001007351.1 solute carrier family 25, member 44 a

NP_001013537.1 solute carrier family 25, member 44 b
 BAD22609.1 solute carrier family 26 member 3
 BAD22607.1 solute carrier family 26 member 6 b
 NP_001035265.1 solute carrier family 26, member 3
 NP_001107889.1 solute carrier family 26, member 6
 NP_001013555.1 solute carrier family 27 (fatty acid transporter), member 1a
 NP_001070854.1 solute carrier family 27 (fatty acid transporter), member 6 precursor
 AAH53236.1 Solute carrier family 3, member 2
 NP_571676.1 solute carrier family 3, member 2a
 NP_958922.2 solute carrier family 3, member 2b
 AAH96996.1 Solute carrier family 30 (zinc transporter), member 5
 AAH44151.1 Solute carrier family 30 (zinc transporter), member 7
 NP_001003877.1 solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1a
 NP_001004583.1 solute carrier family 35 member B1
 NP_998239.1 solute carrier family 35 member E1
 NP_001133715.1 Solute carrier family 35 member E2
 NP_001017857.1 solute carrier family 35 member E4
 NP_001070024.1 solute carrier family 35, member F2
 NP_001104675.1 solute carrier family 35, member F3a
 NP_001002559.1 solute carrier family 35, member F6
 NP_957234.1 solute carrier family 37 (glucose-6-phosphate transporter), member 4b
 NP_001002648.1 solute carrier family 38, member 5b
 EDL05342.1 solute carrier family 4 (anion exchanger), member 4, isoform CRA_b
 ABV02975.1 solute carrier family 4 sodium bicarbonate cotransporter member 4
 NP_001161738.1 solute carrier family 4, anion exchanger, member 1b
 NP_001032314.1 solute carrier family 4, anion exchanger, member 2a
 NP_001107912.1 solute carrier family 4, anion exchanger, member 2b
 EAX05644.1 solute carrier family 4, sodium bicarbonate cotransporter, member 4, isoform CRA_e
 NP_001084922.1 solute carrier family 4, sodium bicarbonate cotransporter, member 7
 NP_001086569.1 solute carrier family 41 member 2
 NP_001035011.1 solute carrier family 43 member 3
 NP_956191.1 solute carrier family 43, member 1a
 NP_991235.1 solute carrier family 45 member 3
 NP_001091665.1 solute carrier family 45, member 3 precursor
 NP_001014332.2 solute carrier family 47, member 1
 NP_001002182.1 solute carrier family 52, riboflavin transporter, member 3-B
 AAIS4320.1 Solute carrier family 6 (neurotransmitter transporter), member 19
 NP_001004533.1 solute carrier family 6 (neurotransmitter transporter, GABA), member 13
 NP_001038752.2 solute carrier family 6 (neurotransmitter transporter, GABA), member 1a
 NP_001074049.1 solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 precursor
 NP_001170930.1 solute carrier family 6 (neurotransmitter transporter, serotonin), member 4B
 BAM11116.1 solute carrier family 6 (neurotransmitter transporter, taurine), member 6
 AAY55909.1 solute carrier family 6 member 9
 AAY55910.1 solute carrier family 6 member 9 transcript variant 1
 NP_001032750.1 solute carrier family 6, member 6
 NP_001007330.2 solute carrier family 7, member 3
 NP_001032179.1 solute carrier family 8 (sodium/calcium exchanger), member 1a precursor
 AAIG3335.1 Solute carrier family 8 (sodium/calcium exchanger), member 4a
 NP_001082888.1 solute carrier family 8 (sodium/calcium exchanger), member 4a precursor
 NP_001116712.1 solute carrier family 8 (sodium/calcium exchanger), member 4b precursor
 NP_001116768.1 solute carrier family 8 (sodium-calcium exchanger), member 2a precursor
 NP_001091726.2 solute carrier family 9 (sodium/hydrogen exchanger), member 6a precursor
 NP_001106947.1 solute carrier family 9 (sodium/hydrogen exchanger), member 6b precursor
 NP_001025248.2 solute carrier family 9, member 7
 NP_001082802.1 solute carrier organic anion transporter family, member 1D1
 NP_001032767.2 solute carrier organic anion transporter family, member 2b1
 NP_001038653.1 solute carrier organic anion transporter family, member 3A1
 CAA05874.1 somatic lipoprotein receptor
 NP_001187017.1 somatolactin precursor
 NP_001187259.1 somatostatin-1 precursor
 NP_001004595.1 something about silencing protein 10
 ACA51060.1 SON DNA-binding protein isoform F (predicted)
 NP_001076462.1 son of sevenless homolog
 ELW46998.1 Son of sevenless like protein 2
 ABM66102.1 Sonic hedgehog
 AAU04946.1 sonic hedgehog precursor
 NP_001165890.1 sorbitol dehydrogenase
 NP_956667.1 sorcin
 EGW10027.1 Sortilin
 CAQ14849.1 sortilin 1, like
 NP_998395.1 sortilin precursor
 NP_989138.1 sorting and assembly machinery component 50 homolog
 NP_956436.1 sorting and assembly machinery component 50 homolog A
 NP_001007344.1 sorting and assembly machinery component 50 homolog B
 ELK07930.1 Sorting and assembly machinery component 50 like protein
 AFJ51337.1 Sorting and assembly machinery component 50-like protein
 NP_001122143.2 sorting nexin 1
 NP_001103866.1 sorting nexin 10b
 NP_001139366.1 sorting nexin 12 isoform 4

AAI29211.1	Sorting nexin 14
NP_001017302.1	sorting nexin 16
AAI62101.1	Sorting nexin 18b
NP_001038839.2	sorting nexin 22-like
EDL36744.1	sorting nexin 6, isoform CRA_b
NP_001133490.1	sorting nexin 9
NP_001070836.1	sorting nexin family member 21-like
NP_001038565.1	sorting nexin family member 27
NP_956834.1	sorting nexin family member 27b
NP_001038258.1	sorting nexin-14
NP_001104707.1	sorting nexin-15
NP_001038622.2	sorting nexin-17
NP_001093476.1	sorting nexin-18
ELK29724.1	Sorting nexin-2
NP_001028903.1	sorting nexin-24
NP_001156765.1	sorting nexin-25
AFJ50761.1	Sorting nexin-2-like
NP_001187272.1	sorting nexin-3
NP_001017798.1	sorting nexin-30
NP_001014368.1	sorting nexin-4
NP_001025388.1	sorting nexin-6
NP_001002229.1	sorting nexin-7
NP_001155915.1	sorting nexin-8
NP_001025295.1	sorting nexin-9
NP_001008643.1	SOSS complex subunit B2
NP_956513.1	SOSS complex subunit C
AEA50992.1	SOUL1
AAS57934.2	source of immunodominant MHC-associated peptides
NP_851298.1	southpaw precursor
BAB68398.1	sox transcription factor 226D7
ADF87550.1	Sox11a
ABO26874.1	Sox14
BAD11369.2	Sox3
ABW87299.1	Sox9a1
BAE78525.1	sox-lz
ABR15366.1	Sp3
NP_919352.1	Sp5 transcription factor-like
AAU94633.1	Sp8a
AAI39536.1	Spag1 protein
NP_001001942.1	SPARC precursor
NP_001124077.1	SPARC-like protein 1 precursor
NP_001188322.1	SPARC-related modular calcium-binding protein 1
ACJ02102.1	SPATA5
NP_001181923.1	spatacsin isoform 1
NP_001167606.1	spatacsin isoform 2
ADM49195.1	special AT-rich sequence binding protein 2
NP_001025359.1	speckle targeted PIP5K1A-regulated poly(A) polymerase
NP_957424.1	speckle-type POZ protein
NP_001073438.1	speckle-type POZ protein-like B
NP_001091958.1	spectrin alpha chain, brain
NP_001093459.1	spectrin beta chain, brain 1
NP_571600.1	spectrin beta chain, erythrocyte
AAI62568.1	Spectrin, beta, erythrocytic
NP_001006091.1	speedy protein A
NP_956821.1	sperm flagellar protein 1
NP_001121704.1	sperm flagellar protein 2
NP_001072601.2	sperm specific antigen 2
NP_001002210.1	sperm-associated antigen 6
NP_001133959.1	spermatid perinuclear RNA-binding protein
NP_001070056.2	spermatogenesis associated 5-like 1
NP_001135736.1	spermatogenesis-associated protein 17
NP_001073660.2	spermatogenesis-associated protein 2
NP_001004013.1	spermatogenesis-associated protein 4
NP_001017814.1	spermatogenesis-associated protein 6
NP_001001836.1	spermatogenesis-defective protein 39 homolog
NP_957328.2	spermidine synthase
NP_571831.1	spermine synthase
ELK03088.1	S-phase kinase-associated protein 1
NP_001076306.1	S-phase kinase-associated protein 2 (p45)
NP_997865.1	sphingolipid delta(4)-desaturase DES1
NP_571766.2	sphingosine 1-phosphate receptor 1
NP_001153442.1	sphingosine 1-phosphate receptor 2
NP_001082938.1	sphingosine-1-phosphate lyase 1
NP_001007317.2	sphingosine-1-phosphate receptor 5a
BAE92622.1	spiggin1.4
NP_001008636.1	spindle and centriole associated protein 1
NP_001017891.1	spindle and kinetochore associated complex subunit 3
NP_001002592.1	spindle and kinetochore-associated protein 1
NP_001187439.1	spindle and kinetochore-associated protein 2

NP_001189366.1 spindle and kinetochore-associated protein 3
 NP_998603.1 spindle assembly abnormal protein 6 homolog
 ELK38169.1 Spindlin-1
 AAI52671.1 Spint1a protein
 NP_001003474.1 splA/ryanodine receptor domain and SOCS box containing 4b
 ELK24375.1 Splicing factor 1
 NP_956388.1 splicing factor 3A subunit 1
 EGV99538.1 Splicing factor 3A subunit 2
 NP_001004782.1 splicing factor 3a, subunit 2, 66kDa
 NP_001098747.1 splicing factor 3B subunit 2
 NP_998668.1 splicing factor 3B subunit 3
 NP_957209.1 splicing factor 45
 EHB13442.1 Splicing factor U2AF 65 kDa subunit
 EKC28616.1 Splicing factor, arginine/serine-rich 4
 NP_991236.1 splicing factor, arginine/serine-rich 7
 NP_957462.2 splicing factor, arginine/serine-rich 8
 NP_998064.1 splicing factor, arginine/serine-rich 9
 NP_998443.1 splicing factor, proline- and glutamine-rich
 ELK26445.1 Splicing factor, suppressor of white-apricot like protein
 NP_001003613.1 splicing regulatory glutamine/lysine-rich protein 1
 AAI62653.1 Spon1b protein
 AAI62543.1 Spondin 2a, extracellular matrix protein
 NP_571082.1 spondin 2a, extracellular matrix protein precursor
 NP_571590.1 spondin-1 precursor
 NP_571083.4 spondin-2 precursor
 ABC75548.1 Spp1
 AAI71386.1 Sprouty-related, EVH1 domain containing 2
 NP_001099164.1 SPRY domain-containing protein 3
 NP_001002477.1 SPRY domain-containing protein 4
 NP_001020631.1 SPRY domain-containing SOCS box protein 1
 NP_001187286.1 spry domain-containing socs box protein 3
 NP_001243571.1 SPRY domain-containing SOCS box protein 4
 NP_001025289.1 squamous cell carcinoma antigen recognized by T-cells 3
 AEG42536.1 squint
 ABS70787.1 Src family associated phosphoprotein 1
 NP_001104305.1 Src homology 2 domain containing transforming protein D, a
 NP_001073480.1 src kinase-associated phosphoprotein 1
 NP_001188121.1 src kinase-associated phosphoprotein 2
 AAY85299.1 SRC1, partial
 NP_001030161.1 src-like-adapter
 NP_001107907.1 src-like-adapter 2
 NP_001129722.2 src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites-like
 AAB82338.1 SrcSH3 binding protein
 CBK39088.1 SREBP1
 AAH50480.1 Srf protein
 AAT68068.1 SRF6-like
 AAH91469.1 Srp72 protein, partial
 NP_001038892.1 SRR1-like protein
 NP_571362.2 SRY-box 17
 NP_571411.1 SRY-box containing gene 11a
 NP_998287.1 SRY-box containing gene 4a
 AAI63449.1 SRY-box containing gene 5
 AEO16863.1 SRY-box containing protein 6 isoform 2, partial
 AAH77083.1 Ssrp1b protein
 AAI28655.1 St14a protein
 NP_999950.1 ST3 beta-galactoside alpha-2,3-sialyltransferase 3b
 AAH93103.1 St3gal2l protein
 EAX01482.1 ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5, isoform CRA_a
 ACS52175.2 stabilin 2
 NP_001182543.1 stabilin-1 precursor
 ACN60224.1 Stabilin-2 precursor
 NP_001013310.1 STAGA complex 65 subunit gamma
 NP_001032659.1 STAM binding protein
 NP_001165106.1 stannin
 BAD99602.1 stanniocalcin
 NP_001038922.1 stanniocalcin 1 precursor
 ACA35032.1 stanniocalcin 2-B
 NP_571737.1 stAR-related lipid transfer protein 3
 NP_001167295.1 StAR-related lipid transfer protein 7
 NP_001119949.1 stAR-related lipid transfer protein 8
 NP_956514.1 START domain containing 10
 AFL69829.1 STAT2
 BAH47263.1 Stat3
 AAH68320.1 Stat3 protein
 AAI39518.1 Stat5.2 protein
 NP_001019393.1 stathmin-2
 NP_001187341.1 stathmin-4
 NP_001005923.2 stathmin-like 2a
 NP_001139073.1 STE20-like serine/threonine-protein kinase

NP_956205.2 STE20-related kinase adapter protein alpha
 AAL99291.1 stearyl-CoA desaturase
 AFE66344.1 stearyl-CoA desaturase 5 isoform a
 NP_001124068.1 sterile alpha and TIR motif-containing protein 1
 NP_001103868.1 sterile alpha motif domain containing 10
 NP_001070760.1 sterile alpha motif domain containing 1a
 NP_001122188.1 sterile alpha motif domain containing 7
 ELV13048.1 Sterile alpha motif domain-containing protein 9-like protein
 AAQ04665.2 steroid 11-beta-hydroxylase
 NP_001187242.1 steroid 17-alpha-hydroxylase/17,20 lyase
 AAI33965.1 Steroid 5 alpha-reductase 3
 NP_998120.1 steroid hormone receptor ERR1
 ACI67429.1 Steroid receptor RNA activator 1
 NP_001187519.1 steroidogenic acute regulatory protein, mitochondrial
 NP_571738.1 steroidogenic acute regulatory protein, mitochondrial precursor
 NP_001116749.1 sterol 26-hydroxylase, mitochondrial
 NP_001006093.1 sterol carrier protein 2b
 NP_001098599.1 sterol regulatory element-binding protein 1
 NP_001017674.1 sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating
 ABC69929.1 STIP
 AAH91908.1 Stom protein
 NP_957325.1 stomatin-like protein 2
 NP_001028915.1 stonin-2
 NP_001070057.1 store-operated calcium entry-associated regulatory factor precursor
 NP_001232891.1 strawberry notch homolog 2a
 NP_001167400.1 Stress 70 protein chaperone microsome-associated 60 kDa protein precursor
 XP_003174682.1 stress protein DDR48
 NP_001167099.1 Stress-activated map kinase-interacting protein 1
 NP_998108.1 stress-associated endoplasmic reticulum protein 1
 NP_001010897.1 stress-associated endoplasmic reticulum protein 2
 ACR77508.1 striatin
 CAI29388.1 striatin, calmodulin binding protein 3
 NP_001013284.1 striatin-3
 AFK11645.1 striatin-3 isoform 1
 NP_001093498.1 stromal antigen 2
 NP_956333.1 stromal cell-derived factor 2 precursor
 ADF97601.1 stromal cell-derived factor 2-like 1
 NP_001038264.1 stromal interaction molecule 1 precursor
 NP_001189470.1 stromal interaction molecule 1b precursor
 NP_001071246.1 stromal membrane-associated protein 1
 NP_001038260.1 stromal membrane-associated protein 2
 NP_001035381.1 stromelysin-2 precursor
 NP_997975.2 structural maintenance of chromosomes 1A, like
 NP_955836.2 structural maintenance of chromosomes 2
 NP_775360.1 structural maintenance of chromosomes protein 4
 NP_001180470.1 structural maintenance of chromosomes protein 5
 NP_990199.1 substance-P receptor
 AAT99305.1 subtilisin-like protease SPC6A
 NP_001004004.1 succinate dehydrogenase
 AAQ91270.1 succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
 AAH56551.1 Suclg2 protein, partial
 AAI55826.1 Sufu protein
 NP_001133658.1 sugar kinase FLJ10986 homolog
 NP_998179.1 sugar phosphate exchanger 2
 AAR04056.1 sulfatase FP1a
 AAR04059.1 sulfatase FP2a
 NP_001005980.1 sulfatase-modifying factor 2 precursor
 NP_001074136.1 sulfate anion transporter 1
 NP_001121836.1 sulphydryl oxidase 1
 ABD83917.1 sulfide dehydrogenase-like isoform-like
 BAE79477.1 sulfonylurea receptor subunit 2
 NP_001002599.1 sulfotransferase 1C1
 NP_001035334.1 sulfotransferase 4A1
 NP_999851.1 sulfotransferase 6B1
 NP_944596.2 sulfotransferase family 2, cytosolic sulfotransferase 1
 NP_001073416.1 sulfotransferase family 3, cytosolic sulfotransferase 2
 NP_001076345.1 sulfotransferase family 3, cytosolic sulfotransferase 3
 NP_001187828.1 sulfotransferase family cytosolic 2b member 1
 AFC93293.1 SULT3 ST5, partial
 AAH93112.1 Sult6b1 protein
 NP_001116418.1 SUMO1/sentrin specific peptidase 7
 NP_001098584.1 SUMO1/sentrin/SMT3 specific peptidase 3a
 NP_001077311.1 SUMO1/sentrin/SMT3 specific peptidase 3b
 ADO27732.1 sumo-activating enzyme subunit 1
 NP_001135121.1 SUMO-activating enzyme subunit 2
 NP_001071205.1 suppression of tumorigenicity 14 (colon carcinoma) b
 NP_001002327.1 suppression of tumorigenicity 5 protein
 ADA60714.1 suppressor of cytokine signaling 1
 NP_001239559.1 suppressor of cytokine signaling 1b

NP_001108022.1 suppressor of cytokine signaling 2
 NP_001188183.1 suppressor of cytokine signaling 3
 NP_998469.1 suppressor of cytokine signaling 3b
 NP_001107269.1 suppressor of cytokine signaling 5
 NP_001107230.1 suppressor of cytokine signaling 5a isoform 1
 NP_955919.1 suppressor of cytokine signaling 6b
 CBY83942.1 suppressor of cytokine signaling 7
 ELW57305.1 Suppressor of G2 allele of SKP1 like protein
 ABD60319.1 suppressor of hairless 2
 NP_001084347.1 suppressor of hairless protein homolog
 NP_958871.1 suppressor of SWI4 1 homolog
 NP_001104626.1 suppressor of tumorigenicity 7 protein-like
 CBN80808.1 Suppressor of tumorigenicity protein 7 homolog
 NP_989043.1 suppressor of Ty 3 homolog
 AAH63248.1 Suppressor of Ty 6 homolog (S. cerevisiae)
 NP_001091656.1 suppressor of variegation 4-20 protein-like 2
 AAI63870.1 Suppressor of ypt1
 AAB97874.1 surface antigen
 AAC98688.2 surface antigen PHGST#5
 YP_006939100.1 Surface protein Sdr1
 NP_001187274.1 surfeit locus protein 1
 NP_001187802.1 survival motor neuron protein 1
 NP_001188157.1 survival of motor neuron protein-interacting protein 1
 ACO13249.1 Survival of motor neuron-related-splicing factor 30
 ACI34083.1 Sushi domain-containing protein 3
 ACN11356.1 Sushi repeat-containing protein SRPX2 precursor
 AAI65725.1 Sushi-repeat-containing protein
 NP_001014348.1 sushi-repeat-containing protein precursor
 NP_001025247.1 SUZ domain-containing protein 1
 AAI55751.1 Svl protein
 EAW59607.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1, isoform CRA_c
 NP_571523.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1b
 NP_001082836.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1b
 NP_001018610.2 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1A
 NP_001075098.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5
 NP_001120938.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1
 NP_938172.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1
 ELR47618.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3
 NP_958455.2 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1
 NP_001018387.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related isoform 1
 NP_001038693.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related isoform 2
 NP_001038451.1 switch-associated protein 70
 BAC87842.1 synapsin 2b
 BAH84839.1 synapsin II
 NP_001002597.2 synapsin-2
 NP_003481.3 synapsin-3 isoform IIIa
 NP_001121811.1 synaptic vesicle glycoprotein 2C
 NP_001076464.1 synaptic vesicle protein 2B homolog
 NP_957386.1 synaptobrevin homolog YKT6
 NP_001093911.1 synaptogyrin 3
 NP_001018427.1 synaptogyrin 3a
 NP_001007031.1 synaptogjanin-1
 NP_001018339.1 synaptonemal complex central element protein 2
 NP_001112366.1 synaptonemal complex protein 1
 NP_001117979.1 synaptonemal complex protein 3
 AAY79174.1 synaptophysin
 NP_001025413.2 synaptophysin b isoform 1
 NP_997834.1 synaptophysin-like 2b
 ACO14231.1 Synaptophysin-like protein 1
 NP_001004532.1 synaptoporin precursor
 AAT84082.1 synaptosomal-associated protein
 NP_956484.1 synaptosomal-associated protein 23
 NP_001243185.1 synaptosomal-associated protein 29
 NP_001123749.1 synaptosomal-associated protein, 91kDa
 NP_001002463.1 synaptotagmin Ia
 NP_001096607.1 synaptotagmin Va
 AAH97077.1 Synaptotagmin XI
 NP_001076311.1 synaptotagmin-10
 NP_001122205.1 synaptotagmin-12
 NP_001017652.1 synaptotagmin-13 precursor
 NP_956242.1 synaptotagmin-4
 NP_001232886.1 synaptotagmin-7
 ELW71914.1 Synaptotagmin-8
 NP_001074457.1 synaptotagmin-like protein 4
 NP_001133698.1 syncoilin
 NP_775330.2 syndecan-2 precursor
 NP_001187727.1 syndecan-2-b precursor
 ADX99208.1 syndecan-3, partial
 NP_001005588.1 synembryn-A

NP_001005293.1 synembryn-B
 AAH93282.1 Syngn2b protein
 AAH60934.1 Synovial sarcoma, X breakpoint 2 interacting protein
 BAI77483.1 syntabulin
 NP_957156.1 syntaxin 11b, tandem duplicate 1
 AAI71491.1 Syntaxin 11b.2
 ADI60061.1 syntaxin 3B, partial
 NP_001002333.1 syntaxin 5
 NP_955924.1 syntaxin 5A, like
 ADG29190.1 syntaxin 8
 NP_001082845.1 syntaxin binding protein 1b
 NP_001187368.1 syntaxin-11
 NP_001002051.1 syntaxin-12
 NP_001007450.1 syntaxin-17
 ADO28217.1 syntaxin-18
 ELW52017.1 Syntaxin-5
 NP_001017879.1 syntaxin-6
 NP_001158631.1 Syntaxin-7
 NP_956669.1 syntaxin-8
 NP_001020353.1 syntaxin-binding protein 1
 NP_001093451.1 syntaxin-binding protein 5
 NP_001187790.1 syntenin-1
 NP_001017567.1 synuclein, gamma a
 NP_001018488.1 synuclein, gamma b (breast cancer-specific protein 1)
 ABB52822.1 SYPG1
 NP_001187432.1 sys1-like
 AAI50365.1 Syt11 protein
 AAH44465.1 Syvn1 protein
 AAH94990.1 Szl protein, partial
 BAD89001.1 T cell antigen receptor alpha chain VJC region
 AEM44661.1 T cell receptor alpha
 AEM44657.1 T cell receptor delta
 AER30049.1 T cell receptor gamma 2
 AER30039.1 T cell receptor gamma 3
 ABM91941.1 T, partial
 CCH50954.1 T1.2
 CCH50976.1 T4.15
 AAI07645.1 T541 protein
 NP_001257407.1 tachykinin receptor 1a
 NP_001243567.1 tachykinin receptor 3a
 NP_001243564.1 tachykinin receptor 3-like
 AEK66723.1 TACR2
 AAH55562.1 Tada2b protein
 AAI07958.1 TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor
 AAH98542.1 Taf3 protein
 AAH67651.1 Taf5 protein
 NP_956146.1 TAF5-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 5L
 NP_001186651.1 TAF6-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 6L
 NP_001187914.1 tafazzin
 EGW07880.1 Talin-1
 NP_957487.2 talin-2
 NP_001088877.1 tandem C2 domains, nuclear
 AEN04475.1 TANK-binding kinase 1
 CBN81700.1 TANK-binding kinase 1-binding protein
 NP_001082884.1 tankyrase 1
 CAJ81519.1 TAO kinase 1
 AEE65412.1 tapasin precursor
 NP_001124083.1 tapasin-like
 NP_958884.1 TAR DNA-binding protein 43
 NP_001243611.1 target of EGR1 protein 1
 NP_956153.1 target of Nesh-SH3 precursor
 ADB02908.1 target of rapamycin
 ACO14082.1 Tartrate-resistant acid phosphatase type 5 precursor
 NP_001034614.2 taste receptor type 1 member 1 precursor
 NP_001034717.1 taste receptor type 1 member 3 precursor
 AAI62412.1 Taste receptor, type 1, member 1
 NP_001077333.1 taste receptor, type 2, member 201, tandem duplicate 1
 NP_001094099.1 taste receptor, type 2, member 202
 BAF69113.1 taste receptor, type 2, member 2b
 NP_001098605.1 taste receptor, type 2, member 3
 AAI33070.1 TATA box binding protein (TBP)-associated factor, RNA polymerase I, A
 NP_001020469.1 TATA box-binding protein-associated factor RNA polymerase I subunit B
 NP_001003522.1 TATA element modulatory factor
 NP_001073442.1 TATA-binding protein-associated factor 2N
 NP_956390.1 TATA-box-binding protein
 NP_001122165.1 TatD DNase domain containing 2
 NP_001186951.1 TatD DNase domain containing 3-like
 CAJ82505.1 Tax1 (human T-cell leukemia virus type I) binding protein 3
 NP_997829.1 tax1-binding protein 1 homolog B

ELV11182.1	Tax1-binding protein 3
EDL30168.1	taxilin alpha, isoform CRA_b
ACH85264.1	taxilin beta muscle-derived protein 77-like
NP_001074106.2	TBC domain-containing protein kinase-like protein
ELW66359.1	TBC1 domain family member 10B
NP_001166096.1	TBC1 domain family member 15
NP_001020343.1	TBC1 domain family member 20
NP_956781.1	TBC1 domain family member 23
CBN81317.1	TBC1 domain family member 24
NP_001121708.1	TBC1 domain family member 25
ACO09079.1	TBC1 domain family member 7
AAI71406.1	TBC1 domain family, member 23
AAH85412.1	Tbc1d22a protein
NP_001083009.2	TBCC domain-containing protein 1 isoform 1
AAI33999.1	Tbcl protein
AAH85669.1	Tbce protein
BAF73805.1	T-box 21
AAI62554.1	T-box 4
NP_001185700.1	T-box 5b
NP_001108562.1	T-box brain protein 1
AAC25499.1	T-box containing protein
NP_001095854.1	T-box gene 2a
BAH58788.1	T-box transcription factor Eomesodermin
NP_001099921.1	T-box transcription factor TBX15
NP_705951.1	T-box transcription factor TBX18
EHH61020.1	T-box transcription factor TBX22
NP_570989.1	T-box transcription factor TBX4
ELK15490.1	T-box transcription factor TBX5
NP_571127.1	T-box transcription factor TBX6L
NP_571133.1	T-box-containing protein TBX6L
AAI28813.1	Tbx15 protein
AAI54827.1	Tbx18 protein
ABM89506.1	Tbx3
CAA70592.1	TBX5
BAF37936.1	Tc1-like transposase
AAD03793.1	Tc1-like transposase
AAH54698.1	Tceb2 protein, partial
NP_001004548.1	T-cell activation Rho GTPase-activating protein
NP_958496.2	T-cell acute lymphocytic leukemia 2
NP_998402.1	T-cell acute lymphocytic leukemia protein 1 homolog
AAA99773.1	T-cell antigen receptor beta
NP_998234.1	T-cell immune regulator 1
NP_001116089.1	T-cell immunoglobulin and mucin domain containing 4 precursor
NP_705937.2	T-cell leukemia homeobox protein 2
NP_739572.1	T-cell leukemia homeobox protein 3
ACI68751.1	T-cell leukemia translocation-altered gene protein homolog
AAB02652.1	T-cell receptor alpha
AAB94917.1	T-cell receptor alpha variable region
AAL58477.1	T-cell receptor beta 2
AAN15761.1	T-cell receptor beta chain
AAB94920.1	T-cell receptor beta variable region
AEL12161.1	T-cell receptor delta
AEK48168.1	T-cell receptor gamma
ACM09262.1	T-cell surface antigen CD2 precursor
ACI33726.1	T-cell-specific surface glycoprotein CD28 precursor
ADM15562.1	Tcf4, partial
AAI63229.1	Tcf7 protein
NP_958863.1	T-complex protein 1 subunit beta
NP_997778.1	T-complex protein 1 subunit epsilon
NP_775355.1	T-complex protein 1 subunit eta
ABJ98696.1	T-complex protein 1 subunit gamma
NP_957356.1	T-complex protein 1 subunit theta
NP_958447.1	T-complex protein 1 subunit zeta
CAI11818.1	t-complex protein 10
NP_001014323.1	T-complex protein 11-like protein 1
AAX19464.1	TCP1-theta
CAD59209.1	TCR-alpha V segment II-108
CAD59018.1	TCR-alpha V segment II-78
CAD59011.1	TCR-alpha V segment II-85
AAI08236.1	TCTEX1D2 protein
AAI34986.1	Tdrd5 protein
BAD93095.1	TEA domain family member 1 variant
NP_001036211.1	teashirt homolog 1 precursor
NP_001038644.1	tectonin beta-propeller repeat-containing protein 2
NP_001085226.1	tektin 1
NP_001007398.1	tektin-1
NP_001017432.3	tektin-2
AAQ82054.1	TEL/JAK2 fusion protein
BAM68364.1	teleost complement regulatory membrane protein

NP_001112371.1 teleost multiple tissue opsin a
 AAI63300.1 Telomerase reverse transcriptase
 AFD30533.1 telomerase reverse transcriptase, partial
 NP_001071209.1 telomere length regulation protein TEL2 homolog isoform 1
 NP_001025389.1 telomere length regulation protein TEL2 homolog isoform 2
 NP_001074275.1 telomere-associated protein RIF1
 NP_001124265.1 telomeric protein TPP1
 CAM13370.1 tenascin C
 NP_570982.1 tenascin precursor
 CAM14027.1 tenascin R (restrictin, janusin)
 CAQ14535.1 tenascin W
 NP_571111.2 tenascin W precursor
 ACX35614.1 tenascin XB-like protein
 NP_919364.1 tenascin-R precursor
 CAA04755.1 tenascin-W
 NP_001116676.1 tenascin-X precursor
 NP_571043.1 teneurin-3
 NP_571044.1 teneurin-4
 ELR60744.1 Tensin-1
 AAH71284.1 Tenw protein, partial
 NP_001073496.1 TERF1 (TRF1)-interacting nuclear factor 2
 AAH98889.1 Terfa protein
 NP_998493.1 tescalcin a
 AAW34266.1 testhymn-like protein
 NP_001187004.1 testicular 3-beta hydroxysteroid dehydrogenase
 NP_991283.2 testin
 AAQ91277.1 testis derived transcript
 ELK28881.1 Testis-expressed sequence 15 protein, partial
 NP_001070757.2 testis-specific gene 10 protein
 NP_001038310.1 testis-specific serine/threonine-protein kinase 6
 ACI66194.1 Testosterone 17-beta-dehydrogenase 3
 NP_001017575.1 tether containing UBX domain for GLUT4
 NP_001187879.1 tetranectin precursor
 NP_001002334.1 tetraspanin 13a
 AES08923.1 tetraspanin 14, partial
 NP_001002734.1 tetraspanin 18a
 NP_001020709.1 tetraspanin 3
 NP_001187256.1 tetraspanin 3 integral membrane protein
 NP_001187257.1 tetraspanin 7 integral membrane protein
 ACQ58149.1 Tetraspanin-1
 NP_001038502.1 tetraspanin-11
 NP_001005970.1 tetraspanin-13
 NP_001187700.1 tetraspanin-14
 ACQ58828.1 Tetraspanin-15
 NP_001134383.1 Tetraspanin-16
 NP_001018160.1 tetraspanin-2
 ADO28122.1 tetraspanin-31
 ACO13674.1 Tetraspanin-4
 NP_001188037.1 tetraspanin-5
 NP_001124290.1 tetraspanin-7
 BAK64026.1 tetratricopeptide repeat domain-containing protein 30A
 NP_001189425.1 tetratricopeptide repeat protein 12
 NP_001124099.1 tetratricopeptide repeat protein 13 precursor
 NP_001014336.1 tetratricopeptide repeat protein 14
 NP_001074113.1 tetratricopeptide repeat protein 15
 ELK13654.1 Tetratricopeptide repeat protein 21A, partial
 NP_956610.1 tetratricopeptide repeat protein 25
 NP_001008617.1 tetratricopeptide repeat protein 26
 NP_775392.2 tetratricopeptide repeat protein 27
 NP_001139026.1 tetratricopeptide repeat protein 31
 NP_001020691.1 tetratricopeptide repeat protein 32
 ADO28733.1 tetratricopeptide repeat protein 36
 NP_001018535.2 tetratricopeptide repeat protein 38
 NP_001073553.1 tetratricopeptide repeat protein 39A
 NP_001002122.1 tetratricopeptide repeat protein 4 isoform 1
 NP_957300.1 tetratricopeptide repeat protein 4 isoform 2
 NP_001017654.1 tetratricopeptide repeat protein 5
 NP_001074072.1 tetratricopeptide repeat protein 7B
 NP_001038370.1 tetratricopeptide repeat protein 9B
 ADO27873.1 tetratricopeptide repeat protein 9c
 AAH66582.1 Tfap2a protein
 AAH65630.1 Tfig protein
 NP_001070039.1 TFIIA-alpha and beta-like factor
 NP_963876.1 TFIIH basal transcription factor complex helicase XPB subunit
 ACO09490.1 TFIIH basal transcription factor complex p34 subunit
 AAH94984.1 Tfpia protein
 AAI07970.1 Tfr2 protein
 AAC16903.1 TGF beta receptor associated protein-1
 NP_001108531.1 TGF-beta receptor type-1 precursor

AEK81575.1 TGF-beta receptor type-2
 NP_878275.2 TGF-beta receptor type-2 precursor
 CBL93216.1 TGF-beta1B precursor
 NP_001038570.1 TGF-beta-activated kinase 1 and MAP3K7-binding protein 3
 ADF97619.1 TGF-beta-inducible nuclear protein 1
 NP_001134688.1 THAP domain-containing protein 1
 NP_001122208.1 THAP domain-containing protein 4
 NP_001096668.1 THAP domain-containing protein 7
 NP_001188077.1 thiamin pyrophosphokinase 1
 ABA42831.1 thiazide sensitive Na-Cl co-transporter, solute carrier family 12, member 3
 NP_001005930.1 thimet oligopeptidase 1
 NP_001139872.1 Thioesterase superfamily member 2
 NP_001028758.1 thiopurine S-methyltransferase
 NP_001002461.1 thioredoxin
 CAJ82215.1 thioredoxin domain containing 4 (endoplasmic reticulum)
 NP_001158871.1 Thioredoxin domain-containing protein 1
 AFD54638.1 thioredoxin domain-containing protein 12
 ACN11221.1 Thioredoxin domain-containing protein 14 precursor
 ACO14246.1 Thioredoxin domain-containing protein 17
 NP_001082944.1 thioredoxin domain-containing protein 3
 NP_998181.1 thioredoxin domain-containing protein 5
 NP_956315.1 thioredoxin domain-containing protein 9
 NP_956381.1 thioredoxin interacting protein a
 AAH54599.1 Thioredoxin reductase 1
 NP_001188127.1 thioredoxin-dependent peroxide reductase, mitochondrial
 ADO28342.1 thioredoxin-like protein 1
 ADO28417.1 thioredoxin-like protein 4b
 NP_001103857.1 thioredoxin-related transmembrane protein 2-A precursor
 NP_001002113.1 thioredoxin-related transmembrane protein 2-B precursor
 NP_001025330.1 thioredoxin-related transmembrane protein 4 precursor
 ACO09872.1 thiosulfate sulfurtransferase KAT
 AAH45980.1 THO complex 5
 AAI55160.1 THO complex 6 homolog (Drosophila)
 NP_958481.1 THO complex subunit 1
 NP_001003847.1 THO complex subunit 2
 NP_001003758.1 THO complex subunit 3
 NP_001098578.1 THO complex subunit 4
 NP_997857.1 THO complex subunit 5 homolog
 NP_001134914.1 THO complex subunit 6 homolog
 AAI16544.1 Thoc2 protein
 NP_001094423.1 threonine aspartase 1
 NP_001032655.1 threonine synthase-like 2
 NP_001116258.1 threonyl-tRNA synthetase, cytoplasmic isoform 1
 NP_001005932.1 threonyl-tRNA synthetase, cytoplasmic isoform 2
 NP_001137225.1 thrombopoietin
 ACI33993.1 Thrombopoietin receptor precursor
 BAL42515.1 thrombopoietin-receptor
 NP_001107896.1 thrombospondin 4a precursor
 ADO87037.1 thrombospondin type-1 domain containing protein 7A
 EGW00995.1 Thrombospondin type-1 domain-containing protein 7A
 NP_001116232.1 thrombospondin type-1 domain-containing protein 7A precursor
 NP_001156600.1 thrombospondin-1b precursor
 NP_775332.1 thrombospondin-3a precursor
 NP_001038679.1 thrombospondin-3b precursor
 NP_775333.1 thrombospondin-4-B precursor
 NP_991172.1 thromboxane-A synthase
 NP_001082863.1 THUMP domain-containing protein 3
 ELK17689.1 Thymic stromal cotransporter like protein
 NP_001153142.1 thymic stromal-derived lymphopoietin receptor
 NP_001002743.1 thymidine kinase 2, mitochondrial
 ACQ58901.1 Thymidine kinase 2, mitochondrial precursor
 ADO28301.1 thymidine kinase cytosolic
 NP_001133751.1 Thymidine phosphorylase
 NP_001032187.1 thymidylate kinase
 EHH58788.1 Thymidylate synthase
 NP_956951.1 thymocyte nuclear protein 1
 EDL94786.1 thymoma viral proto-oncogene 3
 NP_851299.1 thymopoietin a
 ABC49722.1 thyroid hormone receptor 1
 ABK64189.1 thyroid hormone receptor alpha B
 CAC44632.1 thyroid hormone receptor associated protein complex component TRAP230/KIAA0192
 AAV66918.1 thyroid hormone receptor beta
 NP_001239150.1 thyroid hormone receptor beta isoform 2
 ACO09338.1 Thyroid hormone receptor-associated protein 6
 AAC41730.1 thyroid receptor interactor, partial
 ADO27725.1 thyroid transcription factor 1-associated protein 26-like protein
 ADN65970.1 thyrotroph embryonic factor 2
 NP_571475.1 thyrotrophic embryonic factor
 NP_001139235.1 thyrotropin receptor precursor

NP_001108160.1 thyrotropin-releasing hormone receptor 1
 BAI65857.1 thyrotropin-releasing hormone receptor 3
 NP_956476.1 TIA1 cytotoxic granule-associated RNA binding protein 1
 NP_001002366.1 tight junction protein 2b
 NP_958902.1 tight junction protein 3
 NP_001188499.1 tight junction protein ZO-2 isoform 1
 NP_001003452.1 TIMELESS-interacting protein
 AAH67634.1 Timm50 protein, partial
 AAB50916.1 tinman homeodomain homolog
 NP_001135039.1 TIP41-like protein
 AAZ67923.1 Tip55
 NP_001187154.1 TIR-containing adaptor molecule
 AEL30371.1 TIR-NBS-LRR type disease resistance protein
 NP_001117830.1 tissue factor precursor
 CAK04456.1 tissue inhibitor of metalloproteinase 2
 AAO17737.1 tissue inhibitor of metalloproteinases 4
 NP_001008620.1 tissue specific transplantation antigen P35B
 AFU97155.1 tissue-nonspecific alkaline phosphatase
 ABG48500.1 titin a
 ABG48499.1 titin b
 ADB79761.1 TJP1-like protein
 AAI65166.1 Tkt protein
 NP_001006071.1 TLC domain-containing protein 1
 NP_001187746.1 TLC domain-containing protein 2
 AAI17635.1 Tlk2 protein
 AEI59662.1 TLR1
 AEI59674.1 TLR18
 AEI59675.1 TLR19
 AEI59663.1 TLR2
 AEI59676.1 TLR20-1
 AEI59677.1 TLR20-2
 AEI59679.1 TLR22
 AEI59680.1 TLR25
 AEI59669.1 TLR5-2
 AEI59670.1 TLR7
 AEI59672.1 TLR8-2
 AEI59673.1 TLR9
 NP_001002640.1 TM2 domain-containing protein 2 precursor
 AGC65591.1 Tmem132e
 AAH81639.1 Tmem184a protein
 AAI71392.1 Tmem57b protein
 AAI33909.1 Tmtc4 protein
 AAI63556.1 Tnc protein
 ABE99697.1 TNF receptor associated factor 1
 ABE99696.1 TNF receptor associated factor 2
 NP_001121853.1 TNF receptor-associated factor 1
 ADZ55454.1 TNF receptor-associated factor 3
 NP_997982.1 tnfr receptor-associated factor 4b
 NP_001038217.1 TNF receptor-associated factor 6
 NP_001118039.1 TNF superfamily member 14
 NP_001073421.1 TNFAIP3-interacting protein 1
 ABC84588.1 TNF-New isoform 2
 AAW22592.1 TNF-related apoptosis inducing ligand TRAIL
 AAI62652.1 Tnfrsfa protein
 AAH83289.1 Tnip1 protein
 NP_001188035.1 TOB1 protein
 NP_956025.2 tocopherol (alpha) transfer protein
 NP_001186994.1 toll-like receptor 21
 AAT37633.1 toll-like receptor 3
 NP_001186997.1 Toll-like receptor 3 precursor
 ELV10386.1 Toll-like receptor 9
 NP_001020472.1 tomoregulin-1
 NP_001104618.1 tonsoku-like protein
 AAI54369.1 Top2a protein
 AAH67694.1 Topbp1 protein
 NP_001037789.1 topoisomerase (DNA) I, like
 NP_001186667.1 topoisomerase (DNA) II binding protein 1
 CAA23015.1 topoisomerase I alpha
 NP_001186944.1 torsin family 1, member A-like precursor
 NP_001029352.1 torsin family 2, member A precursor
 NP_001121738.1 torsin-3A precursor
 ACM41851.1 tousled-like kinase 1
 NP_001186653.1 tousled-like kinase 1a
 NP_998073.1 TOX high mobility group box family member 2
 NP_001007374.1 TP53RK-binding protein
 AAH76530.1 Tp63 protein
 DAA30469.1 TPA: adenylate cyclase 1
 DAA26955.1 TPA: basonuclin 2
 CAJ97442.1 TPA: ciliary neurotrophic factor receptor

DAA29964.1 TPA: complement component 1, q subcomponent-like 1-like
DAA17201.1 TPA: copine-like protein
CAJ77879.2 TPA: cytokine receptor family, class I receptor 4
DAA24460.1 TPA: DNA (cytosine-5-)-methyltransferase 3 alpha
DAA31163.1 TPA: dynein, axonemal, light intermediate chain 1-like
DAA16729.1 TPA: dystonin
CAJ00236.1 TPA: endonuclease-reverse transcriptase
DAA24271.1 TPA: formin-binding protein 1-like
DAA17704.1 TPA: gamma-aminobutyric acid (GABA) A receptor, beta 3
DAA21247.1 TPA: hCG1647286-like
DAA30776.1 TPA: histone deacetylase 9-like
DAA25384.1 TPA: hypothetical protein BOS_10850
DAA32844.1 TPA: hypothetical protein BOS_1640
DAA320205.1 TPA: hypothetical protein BOS_4639
CAJ44121.1 TPA: interleukin 12 receptor p40.a
CAJ57446.1 TPA: interleukin-11
DAA24327.1 TPA: LIM homeobox transcription factor 1, beta-like
CBL80809.2 TPA: mucin-5B
DAA13994.1 TPA: protein kinase C-binding protein NELL1-like
CAJ75796.1 TPA: putative class I cytokine receptor 31.2
CAJ44080.1 TPA: SCO-spondin precursor
DAA14422.1 TPA: SH2 domain containing 4A-like
CAG34296.2 TPA: similar to prion protein-3
DAA23076.1 TPA: solute carrier family 12 (potassium-chloride transporter), member 5
DAA22834.1 TPA: zinc finger protein 406-like
DAA06154.1 TPA_exp: claudin 10c
DAA06163.1 TPA_exp: claudin 25b
DAA06341.1 TPA_exp: Fras1
DAA34835.1 TPA_exp: grainyhead-like 2b protein
DAA06181.1 TPA_exp: heparan sulfate proteoglycan 2
DAA01286.1 TPA_exp: replicase/helicase/endonuclease
DAA05178.1 TPA_exp: RTN10-N
DAA05173.1 TPA_exp: RTN2
DAA05193.1 TPA_exp: RTN4
DAA05674.1 TPA_inf: alsin
DAA01448.1 TPA_inf: arginase type Ib
DAA05241.1 TPA_inf: ATP-binding cassette transporter
DAA06274.1 TPA_inf: calcium channel beta 2_tv1 subunit
DAA01816.1 TPA_inf: HN1-like protein
DAA04574.1 TPA_inf: RTN5-Aw
DAA04579.1 TPA_inf: RTN9-A1
DAA35153.1 TPA_inf: tachykinin 3
DAA35165.1 TPA_inf: tachykinin 4b
DAA35148.1 TPA_inf: tachykinin receptor 3a
DAA34800.1 TPA_inf: von Willebrand factor
AAH59550.1 Tph1a protein
AAI62621.1 Tph2 protein
EK22197.1 TPR repeat-containing protein C10orf93
AAH95797.1 Tprg11 protein
AAA92686.1 tpr-met fusion protein
AA85280.1 TR4, partial
NP_997788.1 traB domain-containing protein
NP_001076376.1 trace amine associated receptor 12f
NP_001076380.1 trace amine associated receptor 12j
NP_001076512.1 trace amine associated receptor 13e
NP_001076505.1 trace amine associated receptor 14a
NP_001076524.1 trace amine associated receptor 14g
NP_001076373.1 trace amine-associated receptor 1
NP_001076372.1 trace amine-associated receptor 10b
NP_001076546.1 trace amine-associated receptor 11
NP_001076545.1 trace-amine-associated receptor family member
NP_001070068.1 TRAF family member-associated NF-kappa-B activator
NP_001085286.1 TRAF2 and NCK interacting kinase
NP_001032765.2 TRAF2 and NCK interacting kinase b
ELW60924.1 TRAF2 and NCK-interacting protein kinase
AEQ00724.1 Traf2 and NCK-interacting protein kinase-like protein, partial
AAS58449.1 TRAF2 binding protein
NP_956894.1 TRAF3-interacting protein 1
NP_001003506.2 trafficking protein particle complex 2-like
NP_956955.1 trafficking protein particle complex 6b-like
NP_955920.2 trafficking protein particle complex subunit 11
NP_957058.1 trafficking protein particle complex subunit 4
NP_001002482.1 trafficking protein particle complex subunit 5
NP_001188150.1 trafficking protein particle complex subunit 6b
NP_113654.4 trafficking protein particle complex subunit 9 isoform a
ELR45576.1 Trafficking protein particle complex subunit 9, partial
ACN60233.1 TRAF-interacting protein
NP_001082984.1 TRAF-type zinc finger domain-containing protein 1
ACQ58292.1 Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase

ADO27942.1	trans-12-dihydrobenzene-12-diol dehydrogenase
NP_958456.1	trans-2,3-enoyl-CoA reductase
NP_001006023.1	trans-2,3-enoyl-CoA reductase-like 2
ADO28098.1	trans-23-enoyl-CoA reductase
ACO08950.1	Transaldolase
NP_001116703.1	transcobalamin-2 precursor
NP_853634.1	transcription activator BRG1
NP_955918.2	transcription cofactor HES-6
NP_001020657.1	transcription cofactor vestigial-like protein 2
NP_998440.1	transcription cofactor vestigial-like protein 4
EFN68743.1	Transcription elongation factor A protein 1
NP_957280.1	transcription elongation factor A protein 2
NP_991246.1	transcription elongation factor A protein 3
NP_956415.1	transcription elongation factor B (SIII), polypeptide 3
NP_001187980.1	transcription elongation factor b polypeptide 1
NP_998620.1	transcription elongation factor B polypeptide 3
NP_001002509.1	transcription elongation factor SPT4
NP_660094.1	transcription elongation factor SPT6
NP_938171.1	transcription elongation regulator 1
NP_899112.2	transcription elongation regulator 1-like protein
AAC34300.1	transcription factor
NP_001032770.1	transcription factor 21
CBY80182.1	transcription factor 4, isoform L
NP_571344.1	transcription factor 7-like 1-A
NP_571371.1	transcription factor 7-like 1-B
NP_001070857.1	transcription factor A, mitochondrial
ELR50854.1	Transcription factor AP-1
NP_001008576.1	transcription factor AP-2 gamma
AEJ51634.1	Transcription factor AP-2-beta
NP_001019836.1	transcription factor AP-2-beta isoform 2
NP_001020717.1	transcription factor AP-2-delta
AEP16352.1	transcription factor binding to IGHM enhancer 3a isoform 2, partial
NP_001038531.1	transcription factor binding to IGHM enhancer 3b
AEP16356.1	transcription factor binding to IGHM enhancer 3b isoform 1, partial
NP_001070026.1	transcription factor BTF3
NP_571493.1	transcription factor COE2
NP_001074071.1	transcription factor COE3
ELK34503.1	Transcription factor COE4, partial
ELK29452.1	Transcription factor E2-alpha
NP_001074097.2	transcription factor E2F3
NP_998597.1	transcription factor E2F4
NP_001025315.1	transcription factor E2F6
NP_001020684.1	transcription factor E4F1
AEP16354.1	transcription factor EB isoform 2, partial
NP_001025276.2	transcription factor EC
NP_001076493.1	transcription factor ETV6
BAF91872.1	transcription factor FoxP2
NP_571310.2	transcription factor GATA-5
BAD72824.1	transcription factor Glial cells missing-2
NP_571948.1	transcription factor HES-1
NP_001003866.1	transcription factor IIIA
NP_001003536.1	transcription factor IIIB 50 kDa subunit
NP_956183.1	transcription factor IIIB 90 kDa subunit
NP_001121814.1	transcription factor jun-D
NP_001020703.1	transcription factor LBX1
NP_001076409.1	transcription factor MafA
NP_001002045.1	transcription factor MafG
NP_001027866.1	transcription factor MTF-1
AAC05505.1	transcription factor NF-ATc isoform b
ABG90498.1	transcription factor Nrf2
ADO28183.1	transcription factor pu.1
AEB54621.1	transcription factor PU.1v
ACD85084.1	transcription factor pu.2
NP_001073517.1	transcription factor RFX3
NP_991275.1	transcription factor RFX4
AAO13156.1	transcription factor Runx2
AAQ88389.1	transcription factor Runx2a
NP_571950.1	transcription factor SOX-10
NP_001025449.1	transcription factor SOX-12
NP_570983.2	transcription factor Sox-19a
NP_001032751.1	transcription factor Sox-1b
AAU08212.1	transcription factor Sox4b
NP_001028757.1	transcription factor SOX-5
EHA98577.1	Transcription factor SOX-6, partial
NP_001074219.1	transcription factor SOX-7
EHA98225.1	Transcription factor SOX-7, partial
AAQ18505.1	transcription factor Sox8a
NP_956418.1	transcription factor Sp4
ACO09730.1	Transcription factor Sp5

NP_991195.1 transcription factor Sp6
 CBN80841.1 Transcription factor Sp7
 NP_001004621.1 transcription factor Spi-C
 AAQ64680.1 transcription factor TAp73 alpha
 NP_001117838.1 transcription initiation factor IIA subunit 2
 AER39748.1 transcription initiation factor IIB
 NP_001167406.1 Transcription initiation factor IIF subunit beta
 NP_001038250.1 transcription initiation factor TFIIID subunit 1
 NP_001158565.1 transcription initiation factor TFIIID subunit 10
 EHB18273.1 Transcription initiation factor TFIIID subunit 2, partial
 NP_001036209.1 transcription initiation factor TFIIID subunit 3
 NP_001004557.1 transcription initiation factor TFIIID subunit 6
 NP_001187656.1 transcription initiation factor TFIIID subunit 7
 ACN10220.1 Transcription initiation factor TFIIID subunit 8
 NP_001002625.1 transcription initiation protein SPT3 homolog
 NP_956220.1 transcriptional adapter 3
 AAT70733.1 transcriptional intermediary factor 1 alpha
 NP_956947.2 transcriptional regulator ATRX
 NP_956466.1 transcriptional regulator Myc-B
 AAD00563.1 transcriptional regulator Sox-21
 EDL25884.1 transcriptional regulator, SIN3A (yeast), isoform CRA_b
 NP_001001844.1 transcriptional repressor CTCF
 NP_001038440.1 transcriptional repressor p66-beta
 NP_997932.1 transducin beta-like protein 2 precursor
 NP_001007403.1 transducin beta-like protein 3
 ELR51501.1 Transducin-like enhancer protein 3, partial
 AEZ51816.1 transferrin
 NP_001187249.1 transferrin precursor
 NP_001009917.1 transferrin receptor 1a
 NP_001009916.1 transferrin receptor protein 2
 NP_956710.1 transformer-2 protein homolog alpha
 NP_997746.1 transforming acidic coiled-coil-containing protein 3
 AAQ18013.1 transforming growth factor beta 3
 NP_001107918.2 transforming growth factor beta regulator 1
 NP_001244404.1 transforming growth factor beta-3 precursor
 NP_878293.1 transforming growth factor, beta 1a precursor
 AAH95296.1 Transforming growth factor, beta-induced
 AAB62983.1 transforming growth factor-beta 2, partial
 NP_001133863.1 Transforming growth factor-beta-induced protein ig-h3 precursor
 ELK25022.1 Transforming protein RhoA
 AAH95573.1 Transforming, acidic coiled-coil containing protein 3
 NP_001038932.1 transgelin
 NP_001096584.1 transgelin 3a
 NP_956014.1 transgelin-3
 BAF37011.1 transglutaminase
 NP_001133569.1 transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)
 YP_004105945.1 transglutaminase domain-containing protein
 ACI26674.1 transient receptor potential cation channel subfamily A member 1a
 ACI26673.1 transient receptor potential cation channel subfamily A member 1b
 CBN81358.1 Transient receptor potential cation channel subfamily M member 4
 ACB71113.1 transient receptor potential cation channel subfamily V member 1
 NP_001007066.1 transient receptor potential cation channel, subfamily A, member 1a
 NP_001007067.1 transient receptor potential cation channel, subfamily A, member 1b
 NP_001025337.1 transient receptor potential cation channel, subfamily C, member 2
 NP_571643.1 transient receptor potential cation channel, subfamily C, member 4 associated protein b
 EAW62189.1 transient receptor potential cation channel, subfamily C, member 7, isoform CRA_c
 NP_001030321.1 transient receptor potential cation channel, subfamily M, member 3 isoform g
 NP_001238760.1 transient receptor potential cation channel, subfamily M, member 6
 NP_899192.1 transient receptor potential cation channel, subfamily N, member 1
 NP_001119871.1 transient receptor potential cation channel, subfamily V, member 1
 AAI63540.1 Transient receptor potential cation channel, subfamily V, member 4
 EGW07892.1 Transitional endoplasmic reticulum ATPase
 ABD85515.1 transketolase
 NP_932336.3 transketolase-like protein 2
 NP_001232871.1 translation factor sui1-like
 ADF97620.1 translation initiation factor 3 subunit
 NP_001188036.1 translation initiation factor eIF-2b subunit alpha
 ACO10152.1 Translation initiation factor eIF-2B subunit beta
 NP_001014383.1 translation initiation factor eIF-2B subunit delta
 NP_001107069.1 translation initiation factor eIF-2B subunit epsilon
 NP_957368.1 translation initiation factor eIF-2B subunit gamma
 CAA73168.1 translation initiation factor eIF4A II
 NP_001082793.1 translation initiation factor IF-2, mitochondrial
 ACI33228.1 Translation initiation factor IF-2, mitochondrial precursor
 ACQ58343.1 Translation initiation factor IF-3, mitochondrial precursor
 ABC59222.1 translationally-controlled tumor protein
 NP_001027792.1 translin associated factor X
 NP_001093570.1 translin-associated factor X-interacting protein 1
 NP_001025275.1 translin-associated protein X

NP_955908.1 translocase of outer mitochondrial membrane 40
 NP_705955.2 translocating chain-associated membrane protein 1
 NP_998490.1 translocating chain-associated membrane protein 2 isoform 1
 NP_998236.1 translocating chain-associated membrane protein 2 isoform 2
 ADO28402.1 translocator protein
 NP_958484.1 translocon-associated protein subunit alpha precursor
 NP_001001399.1 translocon-associated protein subunit beta precursor
 ACO09812.1 Translocon-associated protein subunit gamma
 ACO09090.1 Transmembrane 4 L6 family member 4
 NP_001188044.1 transmembrane 4 L6 family member 5
 NP_998109.1 transmembrane 6 superfamily member 1
 NP_001074130.1 transmembrane 6 superfamily member 2
 NP_001135200.1 Transmembrane 9 superfamily member 3 precursor
 NP_956804.2 transmembrane 9 superfamily protein member 4 precursor
 ACD93412.1 transmembrane agrin
 NP_001038384.1 transmembrane and coiled-coil domain family 2
 NP_001083006.1 transmembrane and coiled-coil domain-containing protein 6
 ADO29274.1 transmembrane and immunoglobulin domain-containing protein 1
 NP_001166973.1 transmembrane and tetratricopeptide repeat containing 4
 NP_001124075.1 transmembrane and TPR repeat-containing protein 2 precursor
 NP_998463.1 transmembrane and ubiquitin-like domain-containing protein 1
 NP_001005573.1 transmembrane and ubiquitin-like domain-containing protein 2
 NP_001187457.1 transmembrane bax inhibitor motif-containing protein 4
 NP_001002705.1 transmembrane channel-like protein 6
 NP_001158807.1 Transmembrane channel-like protein 7
 NP_001135204.1 Transmembrane emp24 domain-containing protein 1
 ADO27743.1 transmembrane emp24 domain-containing protein 10
 NP_956697.1 transmembrane emp24 domain-containing protein 5 precursor
 NP_001187424.1 transmembrane emp24 domain-containing protein 9 precursor
 NP_001189406.1 transmembrane gamma-carboxyglutamic acid protein 2-like precursor
 NP_001017637.1 transmembrane gamma-carboxyglutamic acid protein 4 precursor
 NP_001164118.1 transmembrane inner ear expressed protein isoform a
 NP_001090072.1 transmembrane phosphoinositide 3-phosphatase and tensin homolog 2
 NP_001008623.1 transmembrane protease serine 2
 EKC36146.1 Transmembrane protease, serine 3
 NP_001119849.1 transmembrane protease, serine 4b
 CBN81950.1 Transmembrane protease, serine 7
 EDM06565.1 transmembrane protein 104 (predicted), isoform CRA_a
 AAI62404.1 Transmembrane protein 106A
 ADO27981.1 transmembrane protein 106b
 NP_001070764.1 transmembrane protein 106C
 NP_956761.1 transmembrane protein 110
 NP_001188243.1 transmembrane protein 111
 NP_001009987.2 transmembrane protein 111-like
 NP_001108179.1 transmembrane protein 116
 NP_001082912.1 transmembrane protein 119b precursor
 NP_001188012.1 transmembrane protein 120b
 ADO28376.1 transmembrane protein 126a
 NP_001018360.1 transmembrane protein 127
 NP_001134319.1 Transmembrane protein 128
 NP_956663.1 transmembrane protein 134
 NP_001082887.1 transmembrane protein 135
 NP_001258553.1 transmembrane protein 136a
 NP_001003999.1 transmembrane protein 144 precursor
 NP_001002484.1 transmembrane protein 147
 NP_001167146.1 Transmembrane protein 149
 ADO27853.1 transmembrane protein 14a
 NP_956805.1 transmembrane protein 150
 ACI69526.1 Transmembrane protein 150 precursor
 NP_001038875.1 transmembrane protein 150A
 NP_001188285.1 transmembrane protein 150-like precursor
 NP_001096614.1 transmembrane protein 151B
 NP_001122172.1 transmembrane protein 160
 NP_001037782.1 transmembrane protein 161A precursor
 NP_998536.1 transmembrane protein 161B
 NP_001133492.1 Transmembrane protein 163
 NP_997848.1 transmembrane protein 165 precursor
 NP_001076555.1 transmembrane protein 168-A
 NP_001187661.1 transmembrane protein 170a
 AEN04476.1 transmembrane protein 173
 NP_001093545.1 transmembrane protein 175
 NP_001187494.1 transmembrane protein 177
 NP_001070108.1 transmembrane protein 178A precursor
 NP_001002396.2 transmembrane protein 178B precursor
 NP_001122218.1 transmembrane protein 178-like precursor
 NP_001018513.1 transmembrane protein 17A
 NP_001091861.1 transmembrane protein 17B
 NP_001008654.1 transmembrane protein 180
 NP_001014317.1 transmembrane protein 183

NP_998685.2 transmembrane protein 184A
 NP_001017718.2 transmembrane protein 184B
 NP_001139068.1 transmembrane protein 184C
 NP_001188106.1 transmembrane protein 185a
 NP_001134026.1 Transmembrane protein 185-like
 NP_001129456.1 transmembrane protein 186
 ACO14369.1 Transmembrane protein 187
 NP_001187359.1 transmembrane protein 189
 ADO27811.1 transmembrane protein 19
 NP_001188006.1 transmembrane protein 192
 NP_001187293.1 transmembrane protein 198
 ADY18307.1 transmembrane protein 2
 NP_001038265.1 transmembrane protein 200A
 NP_001103936.1 transmembrane protein 201
 ELV13120.1 Transmembrane protein 203
 NP_001157369.1 transmembrane protein 204
 NP_001074155.1 transmembrane protein 205
 NP_956751.1 transmembrane protein 206
 NP_001257902.1 transmembrane protein 209
 NP_001243105.1 transmembrane protein 214
 NP_001013581.1 transmembrane protein 22
 NP_001003594.1 transmembrane protein 223
 NP_001070141.1 transmembrane protein 229b
 NP_001230080.1 transmembrane protein 234 isoform 1 precursor
 NP_001093549.1 transmembrane protein 236
 NP_001004636.1 transmembrane protein 237B
 NP_001038261.1 transmembrane protein 244
 NP_001133748.1 Transmembrane protein 25
 NP_001017620.1 transmembrane protein 256 precursor
 NP_991123.2 transmembrane protein 30A
 NP_998828.1 transmembrane protein 33
 ELV12416.1 Transmembrane protein 35
 ELK35716.1 Transmembrane protein 39A
 NP_001133957.1 Transmembrane protein 39B
 NP_001187744.1 transmembrane protein 41a-a
 NP_001018601.1 transmembrane protein 41A-A precursor
 NP_001167215.1 Transmembrane protein 43
 NP_001018453.1 transmembrane protein 45A
 ADO27852.1 transmembrane protein 45b
 NP_001133270.1 Transmembrane protein 47
 NP_001068580.1 transmembrane protein 5
 ADO27883.1 transmembrane protein 50a
 NP_001071198.1 transmembrane protein 51a
 NP_001096087.1 transmembrane protein 51b
 NP_001002637.1 transmembrane protein 53
 NP_956641.1 transmembrane protein 54
 NP_001038577.1 transmembrane protein 55A
 ACI33199.1 Transmembrane protein 59 precursor
 AAI54613.1 Transmembrane protein 59-like
 NP_998502.1 transmembrane protein 59-like precursor
 NP_001003481.1 transmembrane protein 60
 NP_001082847.1 transmembrane protein 63A
 NP_001153308.1 transmembrane protein 63C
 NP_001121723.1 transmembrane protein 64
 JAA09276.1 transmembrane protein 65
 NP_956786.1 transmembrane protein 68
 NP_001124325.1 transmembrane protein 71
 NP_001188056.1 transmembrane protein 82
 NP_001013530.1 transmembrane protein 86A
 NP_001038833.1 transmembrane protein 86B
 NP_001082853.2 transmembrane protein 87A precursor
 NP_001070612.1 transmembrane protein 88 b
 NP_001139040.1 transmembrane protein 8A
 NP_001002088.1 transmembrane protein 8C
 NP_956160.1 transmembrane protein 9 precursor
 NP_001073664.1 transmembrane protein 98
 NP_956026.2 transmembrane protein 9B precursor
 NP_001187662.1 transmembrane protein c3orf1-like protein
 NP_001004514.1 transmembrane protein C5orf28 homolog isoform 2
 NP_001188089.1 transmembrane protein c9orf46
 ACI67670.1 Transmembrane protein C9orf91 homolog
 ABP93692.1 transmembrane protein Vc569
 NP_001121837.1 transmembrane protein with EGF-like and two follistatin-like domains 2a
 NP_001073512.1 transmembrane protein with metallophosphoesterase domain
 ABI51758.1 transmembrane transport protein Mrp3
 NP_001003781.1 transport and golgi organization 2 homolog
 ABQ01992.1 transporter 2 ATP binding cassette
 EFN62494.1 Transposable element Tc1 transposase
 EFN73458.1 Transposable element Tc3 transposase

CCA25249.1 Transposable element Tc3 transposase putative
 XP_002774830.1 Transposable element Tc3 transposase, putative
 EFN74485.1 Transposable element Tcb1 transposase
 EFN70315.1 Transposable element Tcb2 transposase
 CCA18152.1 transposase (putative)
 ABF20544.1 transposase
 CCA18549.1 transposase putative
 AFJ91763.1 transposase, partial
 XP_002411397.1 transposase, putative
 NP_001133228.1 transposase-like
 ABF22701.1 transposase-like protein
 EFY91055.1 trans-sialidase
 NP_001003887.1 treslin
 NP_998034.1 tribbles homolog 3
 NP_001035433.1 trichoplein keratin filament-binding protein
 ACN10637.1 Trifunctional enzyme subunit beta, mitochondrial precursor
 NP_571692.1 trifunctional purine biosynthetic protein adenosine-3
 BAB85636.1 triglyceride lipase
 AAI14246.1 Trim33 protein
 AEL20211.1 TRIM5-CypA fusion protein
 NP_957194.1 trimeric intracellular cation channel type A
 ACI33511.1 Trimethyllysine dioxygenase, mitochondrial precursor
 EGV97901.1 Trinucleotide repeat-containing gene 6C protein
 NP_001038423.1 tripartite motif containing 35-22
 AFR66769.1 tripartite motif containing protein 8
 ELK08850.1 Tripartite motif family-like protein 2
 EDL18501.1 tripartite motif protein 23, isoform CRA_c
 AFP48364.1 tripartite motif protein 25
 NP_001018439.1 tripartite motif-containing 13
 NP_001002870.2 tripartite motif-containing 24
 NP_001073637.1 tripartite motif-containing 3b
 NP_001076569.1 tripartite motif-containing 46
 NP_001002358.1 tripartite motif-containing 55
 NP_001035071.1 tripartite motif-containing 55b
 NP_001038581.1 tripartite motif-containing 66
 NP_001014393.1 tripartite motif-containing protein 2
 ACO09553.1 Tripartite motif-containing protein 35
 CBN80878.1 Tripartite motif-containing protein 62
 NP_001133559.1 tripeptidyl-peptidase 1 precursor
 AAY86962.1 Trit1 protein
 ACQ58027.1 TRM112-like protein
 AAH46012.1 Trmt11 protein
 NP_001187362.1 tRNA (adenine-n(1)-)-methyltransferase catalytic subunit trmt61a
 NP_001018153.1 tRNA (cytosine-5-)-methyltransferase
 NP_956005.1 tRNA (cytosine-5-)-methyltransferase NSUN2
 NP_001139055.1 tRNA (guanine(37)-N1)-methyltransferase
 NP_001187361.1 tRNA (guanine-n(7)-)-methyltransferase b
 NP_001119907.1 tRNA (guanine-N(7)-)-methyltransferase subunit WDR4
 NP_001116415.1 tRNA (uracil(54)-C(5))-methyltransferase homolog-B
 NP_956223.1 tRNA (uracil-5-)-methyltransferase homolog A
 NP_001006086.2 tRNA (uracil-O(2)-)-methyltransferase-like
 NP_001013309.2 tRNA 2'-phosphotransferase 1
 NP_001038239.1 tRNA dimethylallyltransferase, mitochondrial
 NP_956510.2 tRNA guanosine-2'-O-methyltransferase TRM11 homolog
 EGW06849.1 tRNA guanosine-2'-O-methyltransferase TRM11-like
 NP_001014331.1 tRNA guanosine-2'-O-methyltransferase TRM13 homolog
 NP_001018605.1 tRNA modification GTPase GTPBP3, mitochondrial precursor
 NP_956361.1 tRNA pseudouridine synthase 3
 ACI68778.1 tRNA selenocysteine-associated protein 1
 NP_001002611.1 tRNA wybutosine-synthesizing protein 3 homolog
 NP_001071011.1 tRNA wybutosine-synthesizing protein 5
 NP_955911.1 tRNA-dihydrouridine synthase 1-like
 NP_956968.1 tRNA-dihydrouridine synthase 3-like
 ACO13484.1 tRNA-dihydrouridine synthase 4-like PP35
 NP_001002159.1 tRNA-nucleotidyltransferase 1, mitochondrial
 ACI33605.1 tRNA-nucleotidyltransferase 1, mitochondrial precursor Mitochondrial
 NP_001076356.1 tRNA-specific adenosine deaminase 1
 NP_001187388.1 tRNA-specific adenosine deaminase-like protein 3
 NP_001093560.1 tRNA-splicing endonuclease subunit Sen15
 NP_001070119.1 tRNA-splicing endonuclease subunit Sen2
 ACO09427.1 tRNA-splicing endonuclease subunit Sen34
 NP_001018365.1 tRNA-splicing endonuclease subunit Sen54
 ELV09964.1 tRNA-splicing ligase RtcB like protein
 AFK11667.1 tRNA-splicing ligase RtcB-like protein
 NP_001167353.1 Tropomodulin-3
 NP_001187783.1 tropomodulin-4
 ELK05357.1 Tropomyosin alpha-3 chain
 NP_001019638.1 tropomyosin alpha-4 chain isoform 1
 ACM41865.1 troponin C fast

ADO28072.1 troponin I fast skeletal muscle
 ADO28228.1 troponin I slow skeletal muscle
 NP_991138.2 troponin I, skeletal, fast
 NP_001003423.1 troponin I, skeletal, fast 2b, tandem duplicate 2
 NP_852476.1 troponin T1, skeletal, slow
 CAD43461.1 troponin T2, cardiac
 NP_001188470.1 troponin T2e, cardiac isoform 2
 CBN81021.1 Trp4-associated protein Tap1A
 AAI62813.1 Trpc6 protein
 AAI63719.1 Trpm7 protein
 ADK21253.1 truncated complement factor I
 ACA79942.1 truncated leukocyte tyrosine kinase
 BAC81502.1 truncated SH3 binding domain protein 4
 NP_001167329.1 Tryparedoxin
 BAF76144.1 trypsinogen 2
 AAC32752.1 trypsinogen 2 precursor
 NP_001098370.1 trypsinogen precursor
 NP_956150.1 tryptophan 2,3-dioxygenase B
 AAT38216.1 tryptophan hydroxylase 2
 AAT38217.1 tryptophan hydroxylase D2
 ACE63525.1 tryptophan hydroxylase-1
 ACO10082.1 Tryptophan-rich protein
 NP_001013341.1 tryptophanyl-tRNA synthetase, mitochondrial
 EDL23930.1 TSC22 domain family 3, isoform CRA_a
 NP_997910.1 TSC22 domain family protein 1
 NP_956863.1 TSC22 domain family protein 3
 NP_001134852.1 TsetseEP
 NP_001002370.1 TSR3, 20S rRNA accumulation, homolog
 ACO13977.1 TSSC1
 AAI45227.1 Ttc18 protein
 AAH83404.1 Ttrap protein
 NP_001007493.1 tubby homolog
 BAH47605.1 tuberin-like protein 1 splicing variant1
 NP_956089.1 tubulin alpha-2 chain
 ELK26268.1 Tubulin alpha-3 chain
 EGV94045.1 Tubulin beta-3 chain
 NP_001002093.1 tubulin delta chain
 ELR60352.1 Tubulin epsilon chain
 NP_957202.1 tubulin gamma-1 chain
 NP_001038770.1 tubulin monoglycylase TTLL3
 NP_001002208.1 tubulin polyglutamylase complex subunit 2
 NP_001070843.1 tubulin polyglutamylase TTLL11
 ELR62466.1 Tubulin polyglutamylase TTLL7
 NP_001187892.1 tubulin polymerization-promoting protein family member 3
 CCP42463.1 tubulin tyrosine ligase
 ABW77485.1 tubulin tyrosine ligase-like family member 6a
 NP_001136132.1 tubulin tyrosine ligase-like family, member 7
 AAH62826.1 Tubulin, alpha 8 like 2
 NP_001003558.1 tubulin, alpha 8 like 3
 NP_001116269.1 tubulin, gamma complex associated protein 3
 NP_001187385.1 tubulin-folding cofactor B
 NP_957348.1 tubulin-specific chaperone A
 NP_001035078.2 tubulin-specific chaperone E
 NP_956546.1 tubulin-tyrosine ligase-like protein 12
 NP_001038442.2 tubulointerstitial nephritis antigen-like precursor
 NP_001014377.1 tudor and KH domain-containing protein
 ABR24798.1 tudor domain containing protein 7
 NP_001157500.1 tudor domain-containing protein 1
 NP_001038315.1 tudor domain-containing protein 5
 NP_001182210.1 Tudor domain-containing protein 6
 NP_001092813.1 tudor domain-containing protein 7A isoform 1
 NP_001073470.1 tuftelin
 NP_001002721.1 tuftelin-interacting protein 11
 NP_571918.2 tumor necrosis factor (ligand) superfamily, member 10 like
 NP_001036178.1 tumor necrosis factor (ligand) superfamily, member 10 like 3
 NP_001019618.1 tumor necrosis factor (TNF superfamily, member 2)
 NP_001187101.1 tumor necrosis factor
 NP_001025387.1 tumor necrosis factor alpha-induced protein 2
 NP_956626.1 tumor necrosis factor alpha-induced protein 8-like protein 1
 ADO28006.1 tumor necrosis factor alpha-induced protein 8-like protein 2 a
 NP_956645.1 tumor necrosis factor alpha-induced protein 8-like protein 3
 NP_001070075.1 tumor necrosis factor ligand superfamily member 12
 NP_001161936.1 tumor necrosis factor ligand superfamily member 13
 NP_001107062.1 tumor necrosis factor ligand superfamily member 13B
 NP_001036166.1 tumor necrosis factor ligand superfamily member 6
 CAC82653.1 tumor necrosis factor receptor associate factor-2
 ACI68577.1 Tumor necrosis factor receptor superfamily member 11B precursor
 NP_001038369.1 tumor necrosis factor receptor superfamily member 19 precursor
 NP_996956.1 tumor necrosis factor receptor superfamily member 19L precursor

NP_998355.1 tumor necrosis factor receptor superfamily member 1A precursor
 NP_001036153.2 tumor necrosis factor receptor superfamily member 21 precursor
 NP_001158656.1 Tumor necrosis factor receptor superfamily member 5
 NP_001108536.1 tumor necrosis factor receptor superfamily member EDAR precursor
 NP_001106996.1 tumor necrosis factor receptor superfamily, member 18 precursor
 NP_571682.1 tumor necrosis factor receptor type 1-associated DEATH domain protein
 BAC65226.1 tumor necrosis factor receptor-2
 NP_001133726.1 Tumor necrosis factor, alpha-induced protein 2
 ADO27921.1 tumor necrosis factor-inducible gene 6 protein
 NP_001188174.1 tumor protein D52
 EDL88710.1 tumor protein D52-like 2, isoform CRA_c
 NP_997898.1 tumor protein D52-like 2a
 ADO27830.1 tumor protein d54
 NP_001038618.1 tumor protein p53 binding protein, 2
 NP_001103240.2 tumor protein p53 binding protein, 2-like
 NP_001070717.1 tumor protein p53 inducible protein 11b
 NP_001073505.1 tumor protein p53-inducible nuclear protein 1
 AAI52688.1 Tumor protein p63
 NP_001082997.1 tumor protein p63-regulated gene 1 protein
 NP_899183.1 tumor protein p73
 NP_001039312.1 tumor suppressor candidate 4
 NP_001073639.1 tumor suppressor p53-binding protein 1
 NP_001002089.1 tumor susceptibility gene 101 protein
 ELK24800.1 Tumor susceptibility protein 101 protein
 ACO09395.1 Tumor-associated calcium signal transducer 1 precursor
 AAQ97974.1 TUWD12
 NP_001002490.1 tweety homolog 2
 EAW87268.1 tweety homolog 3 (Drosophila), isoform CRA_c
 AAH67628.1 Twinfilin, actin-binding protein, homolog 1a
 NP_001002304.1 twinfilin-1
 NP_001018486.1 twinfilin-2
 NP_571060.2 twist homolog 3
 NP_571059.1 twist1a
 ACO09781.1 twisted gastrulation precursor
 NP_001134668.1 Twisted gastrulation protein homolog 1-A precursor
 ELV12750.1 Twisted gastrulation protein like protein 1
 EHB08742.1 Twist-related protein 2
 NP_001135272.1 Two pore calcium channel protein 1
 NP_001071190.1 two pore calcium channel protein 2
 NP_001170916.1 two pore channel 3
 AAH66767.1 Txndc4 protein, partial
 AAH65845.1 Tyms protein
 AAS97962.1 type 2 somatostatin receptor
 NP_571183.1 type I cyokeratin
 NP_001122019.1 type I inositol-3,4-bisphosphate 4-phosphatase
 ACL98136.1 type I keratin
 NP_001002383.1 type I keratin E7
 ACN62548.1 type I keratin-like protein
 AAR38409.1 type I secretion target GGXGXDXXX repeat protein
 BAA32748.1 type I serin/threonine kinase receptor
 AAG01346.1 type I serine-threonine kinase receptor
 NP_997954.2 type II iodothyronine deiodinase
 CAA71997.1 Type III iodothyronine deiodinase
 ACX69979.1 type III tyrosine kinase
 NP_001038953.1 type IV antifreeze protein precursor
 AAY43816.1 type IV collagen alpha 4 chain, partial
 AAY43821.1 type XVIII collagen alpha 1 chain, partial
 NP_001134098.1 Type-1 angiotensin II receptor-associated protein-like
 NP_001013368.1 type-2 angiotensin II receptor
 ABI93943.1 tyrosinase
 NP_571088.1 tyrosinase precursor
 NP_571224.1 tyrosine 3-monooxygenase
 NP_998329.1 tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
 NP_958921.1 tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide a
 CAE48939.1 tyrosine hydroxylase
 AAV73777.1 tyrosine hydroxylase 2
 ACU12483.1 tyrosine kinase 2
 NP_001073486.1 tyrosine kinase, non-receptor, 2b
 EHJ67784.1 tyrosine phosphatase n9
 ACM09626.1 tyrosine phosphatase type IVA 2
 NP_001116177.1 tyrosine-protein kinase ABL2
 NP_001025391.1 tyrosine-protein kinase Blk
 NP_001071067.1 tyrosine-protein kinase CSK
 NP_997946.1 tyrosine-protein kinase Fgr
 NP_571148.1 tyrosine-protein kinase JAK1
 NP_001004543.1 tyrosine-protein kinase Lyn
 NP_571536.1 tyrosine-protein kinase receptor Tie-2 precursor
 NP_571507.1 tyrosine-protein kinase receptor TYRO3 precursor
 NP_001077295.1 tyrosine-protein kinase RYK precursor

NP_001013288.2 tyrosine-protein kinase yes
 NP_956140.1 tyrosine-protein phosphatase non-receptor type 11
 NP_001013470.1 tyrosine-protein phosphatase non-receptor type 18
 NP_997819.1 tyrosine-protein phosphatase non-receptor type 2
 NP_001092890.1 tyrosine-protein phosphatase non-receptor type 22
 NP_956254.1 tyrosine-protein phosphatase non-receptor type 6
 NP_958473.1 tyrosine--tRNA ligase, cytoplasmic
 NP_956496.1 tyrosylprotein sulfotransferase 1, like
 NP_001187093.1 tyrosylprotein sulfotransferase-2 precursor
 NP_001137392.1 tyrosyl-tRNA synthetase, mitochondrial
 EGD80434.1 TYW1B protein
 NP_001017690.1 U11/U12 small nuclear ribonucleoprotein 25 kDa protein
 NP_001108614.1 U11/U12 small nuclear ribonucleoprotein 48 kDa protein
 ACO09209.1 U11/U12 snRNP 48 kDa protein
 ADO27869.1 u2 small nuclear ribonucleoprotein a'
 NP_001016998.1 U2 small nuclear RNA auxiliary factor 2 isoform 1
 NP_001025127.1 U2 small nuclear RNA auxiliary factor 2a
 NP_001184003.1 U2-associated SR140 protein-like
 ADO28270.1 u3 small nucleolar ribonucleoprotein protein imp3
 NP_001002719.1 U3 small nucleolar ribonucleoprotein protein IMP4
 NP_001243557.1 U3 small nucleolar RNA-associated protein 14 homolog A
 NP_955998.1 U3 small nucleolar RNA-associated protein 15 homolog
 NP_001070232.1 U3 small nucleolar RNA-associated protein 18 homolog
 NP_001104677.1 U3 small nucleolar RNA-associated protein 6 homolog
 NP_001112367.1 U3 small nucleolar RNA-interacting protein 2
 NP_956798.1 U4/U6 small nuclear ribonucleoprotein Prp31
 NP_956049.1 U4/U6 small nuclear ribonucleoprotein Prp4
 ADO28085.1 u5 small nuclear ribonucleoprotein 40 kda protein
 NP_001003460.1 U6 snRNA phosphodiesterase
 NP_001006008.1 U8 snoRNA-decapping enzyme
 AAI48080.1 UBAP2L protein
 NP_001186655.1 ubiA prenyltransferase domain-containing protein 1
 NP_001073638.1 ubinuclein 2
 NP_998521.2 ubiquilin-4
 ADO27919.1 ubiquinol-cytochrome c reductase complex chaperone cbp3-like protein
 AAH54137.2 Ubiquinol-cytochrome c reductase core protein II
 ACI67244.1 Ubiquinone biosynthesis methyltransferase COQ5, mitochondrial precursor
 NP_001038869.1 ubiquinone biosynthesis monooxygenase COQ6
 NP_001092216.1 ubiquinone biosynthesis protein COQ9, mitochondrial
 AEA51166.1 ubiquitin and ribosomal protein S27a precursor, partial
 NP_001122227.1 ubiquitin associated and SH3 domain containing, B-like
 NP_955873.1 ubiquitin carboxyl-terminal hydrolase 1
 ELW62932.1 Ubiquitin carboxyl-terminal hydrolase 10
 NP_001077025.1 ubiquitin carboxyl-terminal hydrolase 12A
 NP_001091856.1 ubiquitin carboxyl-terminal hydrolase 13
 NP_956267.1 ubiquitin carboxyl-terminal hydrolase 14
 NP_001139569.1 ubiquitin carboxyl-terminal hydrolase 16
 NP_001008574.1 ubiquitin carboxyl-terminal hydrolase 2
 EHB01181.1 Ubiquitin carboxyl-terminal hydrolase 3
 NP_001155956.1 ubiquitin carboxyl-terminal hydrolase 30
 NP_998392.1 ubiquitin carboxyl-terminal hydrolase 33
 NP_001070811.1 ubiquitin carboxyl-terminal hydrolase 37
 ELK17417.1 Ubiquitin carboxyl-terminal hydrolase 42
 NP_956551.1 ubiquitin carboxyl-terminal hydrolase 44
 NP_001038361.1 ubiquitin carboxyl-terminal hydrolase 49
 NP_999920.2 ubiquitin carboxyl-terminal hydrolase 5
 ELW67621.1 Ubiquitin carboxyl-terminal hydrolase 7
 NP_001140074.1 ubiquitin carboxyl-terminal hydrolase isozyme L3
 ELW65865.1 Ubiquitin conjugation factor E4 A
 NP_919343.1 ubiquitin conjugation factor E4 B
 NP_001188203.1 ubiquitin cross-reactive protein
 AAY86988.1 ubiquitin C-terminal hydrolase
 AAN18025.1 ubiquitin C-terminal hydrolase L1
 NP_001002718.1 ubiquitin domain-containing protein 2
 NP_001076299.1 ubiquitin domain-containing protein UBFD1
 NP_997794.1 ubiquitin protein ligase E3 component n-recogin 7
 AES09373.1 ubiquitin specific peptidase 28, partial
 NP_001186800.1 ubiquitin specific peptidase 3
 NP_001188495.1 ubiquitin specific peptidase 54a
 ABC86864.1 ubiquitin specific protease 18
 NP_001017716.1 ubiquitin thioesterase OTU1
 ACO13621.1 Ubiquitin thioesterase OTUB1
 ACQ57944.1 Ubiquitin thioesterase OTUB2
 NP_001071236.1 ubiquitin thioesterase zranb1-B
 NP_001080185.1 ubiquitin-activating enzyme E1
 NP_001074030.1 ubiquitin-associated domain-containing protein 2
 NP_001006268.1 ubiquitin-associated domain-containing protein 2 precursor
 CBN81120.1 Ubiquitin-associated protein 1
 NP_001076307.1 ubiquitin-associated protein 2

NP_001075950.1 ubiquitin-associated protein 2-like
 NP_001013955.1 ubiquitin-conjugating enzyme E2 A
 ADO27835.1 ubiquitin-conjugating enzyme e2 c
 NP_001101841.1 ubiquitin-conjugating enzyme E2 E2
 EHB18013.1 Ubiquitin-conjugating enzyme E2 J1, partial
 NP_001083004.1 ubiquitin-conjugating enzyme E2 J2
 ADO27889.1 ubiquitin-conjugating enzyme e2 n
 NP_957252.1 ubiquitin-conjugating enzyme E2 R2
 NP_001020707.1 ubiquitin-conjugating enzyme E2 S
 NP_001070763.1 ubiquitin-conjugating enzyme E2 T
 NP_001188038.1 ubiquitin-conjugating enzyme e2 variant 1
 EHH65250.1 Ubiquitin-conjugating enzyme E2 variant 1, partial
 NP_998680.1 ubiquitin-conjugating enzyme E2 variant 2
 NP_001003619.1 ubiquitin-conjugating enzyme E2 variant 3
 NP_001002330.2 ubiquitin-conjugating enzyme E2 Z
 AES09150.1 ubiquitin-conjugating enzyme E2A, partial
 NP_957404.1 ubiquitin-conjugating enzyme E2D 4
 EDL20657.1 ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast), isoform CRA_b
 EAW64325.1 ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast), isoform CRA_d
 NP_001084430.1 ubiquitin-conjugating enzyme E2E 3
 ACH70826.1 ubiquitin-conjugating enzyme E2K
 NP_001076266.1 ubiquitin-conjugating enzyme E2L 3b
 NP_001003650.1 ubiquitin-fold modifier-conjugating enzyme 1
 NP_001122257.1 ubiquitin-like
 NP_998021.1 ubiquitin-like 3b
 NP_001002319.1 ubiquitin-like domain-containing CTD phosphatase 1
 NP_998227.1 ubiquitin-like modifier-activating enzyme 1
 NP_001025763.1 ubiquitin-like modifier-activating enzyme ATG7
 NP_956594.1 ubiquitin-like protein 4A
 NP_956316.1 ubiquitin-like-conjugating enzyme ATG3
 NP_001007319.1 ubiquitin-protein ligase E3A
 NP_001108154.1 ubiquitin-protein ligase E3B
 NP_956767.1 ubiquitin-protein ligase E3C
 AAI16613.1 Ubr3 protein
 AEZ68581.1 UBTD1-like protein
 AAI15119.1 Ubtf protein
 AAH55680.1 UBX domain protein 6
 NP_997772.1 UBX domain-containing protein 1
 NP_001167394.1 UBX domain-containing protein 2
 NP_001188004.1 ubx domain-containing protein 2a
 NP_001154176.1 UBX domain-containing protein 6
 NP_001001951.1 UBX domain-containing protein 7
 AAH55635.1 UDP glucuronosyltransferase 1 family a, b
 NP_001170917.1 UDP glucuronosyltransferase 1 family, polypeptide B1 precursor
 ADC91945.1 UDP glucuronosyltransferase 2 family polypeptide a1 isoform 2
 ADC91944.1 UDP glucuronosyltransferase 2 family polypeptide a1 isoform 3
 NP_001018306.2 UDP glucuronosyltransferase 2 family, polypeptide A2 precursor
 NP_001170814.2 UDP glucuronosyltransferase 2 family, polypeptide A3 precursor
 NP_001170970.2 UDP glucuronosyltransferase 5 family, polypeptide B2 precursor
 NP_001170965.1 UDP glucuronosyltransferase 5 family, polypeptide B3 precursor
 NP_001074161.1 UDP glucuronosyltransferase 5 family, polypeptide B4 precursor
 NP_001170967.1 UDP glucuronosyltransferase 5 family, polypeptide D1
 NP_001121757.1 UDP glucuronosyltransferase 5 family, polypeptide E1 precursor
 NP_001170971.1 UDP glucuronosyltransferase 5 family, polypeptide F1 precursor
 NP_001107914.1 UDP glucuronosyltransferase 5 family, polypeptide G1 precursor
 NP_001138282.1 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase polypeptide 1-like
 AAI63615.1 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5
 NP_001123545.1 UDP-galactose translocator
 ADC84389.1 UDP-galactose:beta-D-galactoside beta-1,4-galactosyltransferase
 NP_001188171.1 UDP-glnac:betagal beta-13-n-acetylglucosaminyltransferase 5a
 NP_001035389.1 UDP-glucose 4-epimerase
 NP_997894.1 UDP-glucose pyrophosphorylase 2
 NP_001139029.1 UDP-glucose pyrophosphorylase 2a
 NP_001071002.1 UDP-glucose:glycoprotein glucosyltransferase 1 precursor
 NP_001133343.1 UDP-glucuronosyltransferase 2A2
 NP_001187162.1 UDP-glucuronosyltransferase precursor
 NP_001086128.1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13)
 NP_001124120.1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 18a
 EDL87174.1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7, isoform CRA_b
 NP_001140020.1 UDP-N-acetylglucosamine transferase subunit ALG14 homolog
 NP_001116721.1 UDP-N-acetylglucosamine transporter
 ELK06239.1 UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter
 NP_001082880.1 UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminephosphotransferase
 NP_997786.1 UDP-N-acetylhexosamine pyrophosphorylase
 NP_956588.1 UDP-N-acetylhexosamine pyrophosphorylase-like protein 1
 NP_997817.1 UDP-xylose and UDP-N-acetylglucosamine transporter
 NP_942105.1 ufm1-specific protease 2
 AAI63406.1 Ugdh protein
 ABP65284.1 ugly duckling

NP_001035484.1 unc-119 homolog b isoform 1
 NP_001122229.1 UNC119-binding protein C5orf30 homolog
 EDL90764.1 unc-13 homolog A (C. elegans), isoform CRA_a
 NP_001133321.1 unc-13 homolog D
 AAH76400.1 Unc-45 homolog B (C. elegans)
 AAY52462.1 Unc45a
 AAI63521.1 Unc-5 homolog B (C. elegans)
 ACO13743.1 unc-50 homolog
 NP_001124103.1 unc-51-like kinase 1a
 ABB59711.1 Unc5Da, partial
 NP_001167066.1 UNC93-like protein MFSD11
 CBN82165.1 Uncharacterized protein, partial
 NP_001093501.1 unconventional myosin-Ic
 NP_001025316.1 unconventional prefoldin RPB5 interactor
 AAX73253.1 Uncx4.1
 ACQ58460.1 UNQ655/PRO1286 precursor
 NP_001188072.1 upf0172 protein fam158a
 EGV97021.1 UPF0183 protein C16orf70-like
 NP_001158638.1 UPF0235 protein C15orf40
 NP_001076331.1 UPF0249 protein ydjC homolog
 NP_001188095.1 upf0327 protein c1orf151
 NP_001158709.1 UPF0360 protein C11orf60 homolog
 NP_001014353.1 UPF0364 protein C6orf211 homolog
 NP_001188166.1 upf0366 protein c11orf67-like protein
 NP_001187563.1 upf0389 protein fam162b
 ACO13575.1 UPF0414 transmembrane protein C20orf30 homolog
 NP_999859.1 UPF0415 protein C7orf25 homolog
 NP_001187606.1 upf0428 protein cxorf56-like protein
 NP_998306.1 UPF0444 transmembrane protein C12orf23 homolog
 NP_001138278.1 UPF0452 protein C7orf41 homolog
 EGV97435.1 UPF0459 protein C19orf50-like
 NP_957190.1 UPF0462 protein C4orf33 homolog
 NP_956625.1 UPF0489 protein C5orf22 homolog
 NP_001091651.1 UPF0505 protein C16orf62 homolog
 NP_001098997.1 UPF0515 protein C19orf66 homolog
 NP_001119939.1 UPF0524 protein C3orf70 homolog A
 NP_001070615.1 UPF0532 protein C7orf60 homolog
 NP_001187397.1 upf0533 protein c5orf44-like protein
 ADO28369.1 upf0534 protein c4orf43-like protein
 NP_001025261.3 UPF0536 protein C12orf66 homolog
 NP_001004675.1 UPF0538 protein C2orf76 homolog
 NP_001032483.1 UPF0544 protein C5orf45 homolog
 ADO28254.1 upf0545 protein c22orf39-like protein
 NP_001188144.1 upf0552 protein c15orf38-like protein
 NP_001187367.1 upf0553 protein c9orf64-like protein
 NP_001187461.1 upf0562 protein c7orf55-like protein
 NP_001071196.2 UPF0565 protein C2orf69 homolog
 NP_001187769.1 upf0568 protein c14orf166-like protein
 NP_001083047.1 UPF0575 protein C19orf67 homolog
 NP_001004669.1 UPF0585 protein C16orf13 homolog B
 ADO27753.1 upf0602 protein c4orf47-like protein
 NP_001188097.1 upf0609 protein c4orf27-like protein
 ELR55517.1 UPF0623 protein, partial
 NP_001257406.1 UPF0632 protein A precursor
 ELK32536.1 UPF0639 protein
 NP_956913.2 UPF0668 protein C10orf76 homolog
 ADO28059.1 upf0669 protein c6orf120-like protein
 NP_001070743.1 UPF0692 protein C19orf54 homolog
 NP_001188052.1 upf0705 protein c11orf49-like protein
 NP_001070748.1 UPF0711 protein C18orf21 homolog
 NP_001093491.2 UPF0722 protein C11orf88 homolog
 NP_001070807.1 UPF0728 protein C10orf53 homolog
 NP_001187823.1 upf0739 protein c1orf74-like protein
 NP_001082950.1 upper zone of growth plate and cartilage matrix associated a precursor
 AFY11222.1 upstream binding transcription factor 1
 ACO08968.1 Upstream stimulatory factor 1
 NP_001116257.1 upstream stimulatory factor 2
 NP_956590.1 upstream transcription factor 1
 ADO27892.1 uracil nucleotide/cysteinyl leukotriene receptor
 NP_957268.1 uracil-DNA glycosylase a
 NP_001187325.1 uricase
 NP_956468.2 uridine 5'-monophosphate synthase
 NP_001038353.1 uridine diphosphate glucose pyrophosphatase
 ADO28042.1 uridine phosphorylase 1
 NP_001004666.1 uridine-cytidine kinase 1
 NP_001164538.1 uridine-cytidine kinase 2-A
 NP_001128601.1 urocanate hydratase 1
 NP_001121991.1 urocortin 2 precursor
 NP_001076423.1 urocortin-3 precursor

NP_001027901.1 uroonyl 2-sulfotransferase
 NP_001093533.1 uroplakin 3l precursor
 NP_001035332.1 uroplakin-1a
 NP_001134402.1 Uroplakin-2 precursor
 ADO27991.1 uroporphyrinogen decarboxylase
 ACO13405.1 Uroporphyrinogen-III synthase
 ACN65411.1 urotensin II receptor
 AAH47168.1 Usp42 protein
 NP_001124071.1 USP6 N-terminal-like protein
 AAH44444.1 UTP6, small subunit (SSU) processome component, homolog (yeast)
 ABH06980.1 utrophin isoform G
 NP_001135284.1 UV excision repair protein RAD23 homolog A
 NP_956858.1 UV excision repair protein RAD23 homolog B
 AAH74058.1 Uxs1 protein
 ACO09025.1 UXT
 ADV40813.1 V1r pheromone receptor-like protein
 AAI52281.1 Vaccinia related kinase 1
 ACM08744.1 Vacuolar ATP synthase 16 kDa proteolipid subunit
 ACO09279.1 Vacuolar ATP synthase subunit D
 NP_001189353.1 vacuolar ATPase assembly integral membrane protein VMA21
 NP_001092240.1 vacuolar fusion protein MON1 homolog A
 NP_001112365.1 vacuolar protein sorting 13 homolog A
 EAW91788.1 vacuolar protein sorting 13B (yeast), isoform CRA_c
 NP_001093443.1 vacuolar protein sorting 33A
 NP_001020688.2 vacuolar protein sorting 35
 AAH63954.1 Vacuolar protein sorting 37A
 ABQ59678.1 vacuolar protein sorting 52
 NP_001007459.2 vacuolar protein sorting 53 homolog
 NP_001091659.1 vacuolar protein sorting-associated protein 16 homolog
 NP_775352.2 vacuolar protein sorting-associated protein 18 homolog
 ADO27752.1 vacuolar protein sorting-associated protein 26a
 EHB03549.1 Vacuolar protein sorting-associated protein 26B
 NP_001188246.1 vacuolar protein sorting-associated protein 26b-like
 NP_956884.1 vacuolar protein sorting-associated protein 28 homolog
 ELW65527.1 Vacuolar protein sorting-associated protein 29
 NP_001014370.1 vacuolar protein sorting-associated protein 33B
 NP_001133699.1 Vacuolar protein sorting-associated protein 37A
 NP_001093466.1 vacuolar protein sorting-associated protein 37B
 NP_001071253.1 vacuolar protein sorting-associated protein 37C
 NP_001243585.1 vacuolar protein sorting-associated protein 45
 NP_001070077.1 vacuolar protein sorting-associated protein 4A
 NP_001036200.1 vacuolar protein sorting-associated protein 51 homolog
 NP_001124248.1 vacuolar protein sorting-associated protein 54
 ADO28281.1 vacuolar protein sorting-associated protein vta1-like protein
 ACI33275.1 Vacuolar protein sorting-associated protein 4B
 NP_956271.1 vacuolar protein-sorting-associated protein 36
 ACI34030.1 Vacuolar proton pump subunit H
 NP_001135285.1 Vacuolar proton translocating ATPase 116 kDa subunit a
 CBN81716.1 Vacuolar-sorting protein SNF8
 ABG37633.1 vacuolar-type H+ transporting ATPase B subunit
 NP_996943.1 vacuole membrane protein 1
 NP_001124133.1 valyl-tRNA synthetase, mitochondrial
 NP_001107012.2 vam6/Vps39-like protein
 NP_956212.2 VAMP (vesicle-associated membrane protein)-associated protein A
 AAI63391.1 Vang-like 1 (van gogh, Drosophila)
 NP_991313.1 vang-like protein 1
 NP_705960.1 vang-like protein 2
 ADX41681.2 vasa
 BAM66237.1 vascular associated protein
 NP_001077304.1 vascular cell adhesion protein 1 precursor
 NP_001103819.2 vascular endothelial growth factor A-A isoform 2 precursor
 ACJ54377.1 vascular endothelial growth factor C isoform 184
 NP_991297.1 vascular endothelial growth factor C precursor
 NP_001134108.1 Vascular endothelial growth factor D precursor
 NP_001117889.1 vascular endothelial growth factor precursor
 NP_001014829.3 vascular endothelial growth factor receptor 1 isoform 1 precursor
 NP_001019824.2 vascular endothelial growth factor receptor 2 precursor
 NP_571020.1 vascular endothelial growth factor receptor 3 precursor
 NP_571547.1 vascular endothelial growth factor receptor kdr-like precursor
 ELK35931.1 Vascular endothelial zinc finger 1
 NP_001073432.1 vascular endothelial zinc finger 1b
 AAI62971.1 Vasoactive intestinal peptide receptor 1
 NP_001118114.2 vasoactive intestinal peptide receptor 1 precursor
 NP_001013371.1 vasoactive intestinal peptide receptor 1b
 NP_571854.1 vasoactive intestinal polypeptide receptor 2 precursor
 NP_001104232.1 vasorin b precursor
 AFO70133.1 vasotocin neurophysin
 NP_001188441.1 vasotocin type 2 receptor
 AAS37669.1 VAT-1

AAH66463.1 Vat1 protein, partial
AFS65003.1 V-ATPase Ba subunit
AAI34000.1 Vcl protein
AAAY85288.1 VDR-B
AAI17666.1 Vegfab protein
NP_919391.2 ventral anterior homeobox 1
NP_919390.1 ventral anterior homeobox 2
NP_571775.1 ventral expressed homeobox
CAD24588.1 ventrhoid transmembrane protein
NP_999853.1 versican b precursor
NP_001103750.1 vertebrate ancient long opsin
ACP43588.1 vertebrate ancient opsin
AAM77794.1 vertebrate ancient opsin short isoform
ACH85347.1 vertebrate peroxiredoxin 3
NP_001008639.1 very long-chain acyl-CoA synthetase
NP_997776.1 very long-chain specific acyl-CoA dehydrogenase, mitochondrial
NP_957217.2 very low-density lipoprotein receptor precursor
ACO08392.1 Vesicle transport protein GOT1B
NP_957330.1 vesicle transport through interaction with t-SNAREs homolog 1B
ELK31832.1 Vesicle-associated membrane protein 2
NP_001134781.1 vesicle-associated membrane protein 5-like
NP_001187301.1 vesicle-associated membrane protein 7
ACO13464.1 Vesicle-associated membrane protein 8
ACO14103.1 Vesicle-associated membrane protein-associated protein A
ADO28099.1 vesicle-associated membrane protein-associated protein b
NP_955992.1 vesicle-trafficking protein SEC22a
CBN81983.1 Vesicle-trafficking protein SEC22c
NP_001092225.1 vesicular glutamate transporter 1
NP_001122293.1 vesicular glutamate transporter 2.1 isoform 1
ACG50690.1 vesicular glutamate transporter 3
NP_001074170.1 vesicular inhibitory amino acid transporter
ACO09232.1 Vesicular integral-membrane protein VIP36 precursor
BAC07257.1 Vesl-1M
NP_001025415.3 vessel-specific 1
NP_001028267.1 vestigial like 2b
NP_001073467.1 vestigial like 4 like
NP_001108047.1 vezatin
ACX35602.1 VHSV-induced protein
ABQ59679.1 VHSV-inducible protein
NP_001233274.1 VIG-B319.A protein
NP_958882.1 vigilin
NP_956532.1 villin-1
NP_001122153.1 vinculin
NP_001108027.1 VIP peptides precursor
NP_001117029.2 vitamin D receptor
NP_001121988.1 vitamin D receptor alpha
CAH04518.2 vitamin D receptor I
NP_570994.1 vitamin D3 receptor A
NP_001002568.1 vitamin D-binding protein precursor
NP_001018524.1 vitamin K epoxide reductase complex subunit 1-like protein 1
NP_001070791.1 vitamin K-dependent protein S precursor
ADO28775.1 vitelline membrane outer layer protein 1-like protein
ABW96364.1 vitellogenin
BAB64337.1 vitellogenin receptor
NP_571917.2 v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B, duplicate b
NP_998106.1 v-maf musculoaponeurotic fibrosarcoma oncogene homolog g (avian), 2
AAI62327.1 V-mos Moloney murine sarcoma viral oncogene homolog
AEK25826.1 voltage-dependent anion channel
AAAY87905.1 voltage-dependent anion channel 2
ADO28111.1 voltage-dependent anion-selective channel protein 2
ABD34797.1 voltage-dependent calcium channel beta 3b subunit
ABD34798.1 voltage-dependent calcium channel beta 4a subunit
NP_956935.1 voltage-dependent calcium channel gamma-2 subunit
ELW67470.1 Voltage-dependent calcium channel gamma-5 subunit
NP_001076560.1 voltage-dependent calcium channel gamma-6 subunit
NP_001187485.1 voltage-dependent calcium channel gamma-like subunit
NP_001038425.2 voltage-dependent calcium channel subunit alpha-2/delta-1 precursor
NP_001002652.1 voltage-dependent L-type calcium channel subunit beta-1
NP_001108020.1 voltage-dependent N-type calcium channel subunit alpha-1B
NP_001002346.1 voltage-gated hydrogen channel 1
AAV34443.1 voltage-gated potassium channel
ADM18970.1 voltage-gated potassium channel Kv3.3a variant 1
ABC54955.1 voltage-gated potassium channel type 3
ABP98939.1 voltage-gated sodium channel alpha type V
ABF13221.1 voltage-gated sodium channel beta4.2 subunit
ADQ00348.1 voltage-gated sodium channel type IV alpha subunit Nav1.4a
ADQ00370.1 voltage-gated sodium channel type IV alpha subunit Nav1.4b
BAG50379.1 voltage-sensing phosphoinositide phosphatase
ABX58169.2 vomeronasal 1 receptor-like protein

NP_001076368.1 vomeronasal 2 receptor, x1 precursor
 BAM35824.1 vomeronasal type 1 receptor 4
 BAM35885.1 vomeronasal type 1 receptor 6
 NP_001074153.1 von Hippel-Lindau disease tumor suppressor
 ELK10375.1 von Willebrand factor
 ACY30364.1 von Willebrand factor A domain containing 5A
 NP_956128.1 von Willebrand factor A domain containing 9
 NP_001121810.1 von Willebrand factor A domain-containing protein 8
 NP_001122036.1 von Willebrand factor C domain-containing protein 2-like precursor
 NP_001243217.1 von Willebrand factor precursor
 AAH92695.1 Vox protein, partial
 AAI63680.1 Vps13a protein
 NP_001013369.3 VPS9 domain containing 1
 AAI62198.1 V-raf murine sarcoma viral oncogene homolog B1
 NP_001001841.2 v-rel reticuloendotheliosis viral oncogene homolog
 NP_001017805.1 V-set and immunoglobulin domain containing 8a
 NP_001124253.1 V-set and immunoglobulin domain containing 8b precursor
 ELK33966.1 V-set and immunoglobulin domain-containing protein 1
 NP_001093564.2 V-set and immunoglobulin domain-containing protein 10 precursor
 NP_001013346.1 V-set and transmembrane domain-containing protein 2A
 NP_001187487.1 v-set and transmembrane domain-containing protein 2b precursor
 EHB05430.1 V-set and transmembrane domain-containing protein 2-like protein
 AAH59574.1 Vsx1 protein
 ADU60209.1 vsx2
 ACG50724.1 VtaA10 precursor
 AAH55570.1 Vtnb protein
 XP_001845188.1 V-type ATP synthase beta chain
 NP_001090714.1 V-type proton ATPase 116 kDa subunit a isoform 1
 NP_001116219.1 V-type proton ATPase 116 kDa subunit a isoform 2
 EGW08109.1 V-type proton ATPase 21 kDa proteolipid subunit
 NP_958479.1 V-type proton ATPase subunit C 1-A
 ADO28101.1 v-type proton ATPase subunit e 1
 NP_956228.1 V-type proton ATPase subunit G 1
 ELK26175.1 V-type proton ATPase subunit H
 ABW07853.1 warm temperature acclimation protein 65 kDa-1
 ABW07854.1 warm temperature acclimation protein 65 kDa-2
 NP_001187178.1 warm temperature acclimation protein 65 kDa-2 precursor
 NP_957375.1 WAS protein family, member 2
 AES09636.1 WAS protein family, member 3, partial
 NP_956477.1 WASH complex subunit strumpellin
 AEK66129.1 WC1-nd2
 ADO28593.1 WD repeat and fyve domain-containing protein 1
 ADO28235.1 WD repeat and fyve domain-containing protein 2
 NP_955927.1 WD repeat and SOCS box-containing protein 1
 NP_001242957.1 WD repeat containing, antisense to TP53
 AAQ94566.1 WD repeat domain 1
 CAL49388.1 WD repeat domain 10
 AAH98539.1 WD repeat domain 41
 AAI55127.1 WD repeat domain 43
 NP_001258956.1 WD repeat domain 49
 NP_001120428.1 WD repeat domain 63
 NP_001085700.1 WD repeat domain 78
 AAI54788.1 WD repeat domain 8
 ACH70699.1 WD repeat domain containing 82 isoform 1
 ACH70763.1 WD repeat domain containing gene
 NP_956685.1 WD repeat domain phosphoinositide-interacting protein 1
 NP_001008184.1 WD repeat domain phosphoinositide-interacting protein 3
 NP_956525.1 WD repeat domain phosphoinositide-interacting protein 4
 NP_001002729.1 WD repeat domain, phosphoinositide interacting 2
 EDL19091.1 WD repeat domain, phosphoinositide interacting 2, isoform CRA_b
 AAY86971.1 WD repeat protein
 ACO08999.1 WD repeat protein 68
 NP_001071237.1 WD repeat, SAM and U-box domain-containing protein 1
 ACI33321.1 WD repeat-containing protein 1
 ACN11365.1 WD repeat-containing protein 12
 NP_001188473.1 WD repeat-containing protein 17
 NP_001005206.1 WD repeat-containing protein 18
 NP_998228.1 WD repeat-containing protein 24
 NP_942574.1 WD repeat-containing protein 3
 NP_001093507.1 WD repeat-containing protein 31
 NP_001019392.2 WD repeat-containing protein 33 isoform 2
 NP_001099160.1 WD repeat-containing protein 34
 NP_001161736.1 WD repeat-containing protein 37
 NP_001025432.2 WD repeat-containing protein 41
 ELR49120.1 WD repeat-containing protein 49, partial
 NP_001003630.2 WD repeat-containing protein 54
 NP_001003871.1 WD repeat-containing protein 55
 NP_001107126.1 WD repeat-containing protein 6
 ADO28901.1 WD repeat-containing protein 61

ADO28586.1 WD repeat-containing protein 69
 ADO28544.1 WD repeat-containing protein 73
 ACN60296.1 WD repeat-containing protein 75
 NP_001018595.1 WD repeat-containing protein 78
 NP_001076308.1 WD repeat-containing protein 85
 NP_991168.1 WD repeat-containing protein 91
 NP_958490.1 WD repeat-containing protein mio
 AAH95047.1 Wdfy1 protein
 AEB26713.1 WDR13 protein
 AAI64036.1 Wdr36 protein
 AAH66700.1 Wdr45 protein
 AAI21342.1 wdr49 protein
 AAI08039.1 WEE1 homolog 2 (S. pombe)
 AAH58071.1 Wee1 protein, partial
 NP_001005770.1 wee1-like protein kinase
 ELK13792.1 Wee1-like protein kinase 2
 NP_001038367.1 wee1-like protein kinase 2 isoform 2
 ACI69789.1 wibg homolog
 NP_001076348.1 Williams Beuren syndrome chromosome region 22 protein
 NP_001076272.1 Williams-Beuren syndrome chromosome region 16
 NP_571121.1 wilms tumor 1a
 NP_001034723.2 wilms tumor 1b
 ABK34435.1 wingless-type MMTV integration site family member 2 precursor
 NP_001153912.1 wingless-type MMTV integration site family member 4b precursor
 AER51980.1 wingless-type MMTV integration site family member 6
 NP_956232.1 Wiskott-Aldrich syndrome (eczema-thrombocytopenia) b
 ELV11833.1 Wiskott-Aldrich syndrome protein like protein
 AAH91959.1 Wnt inhibitory factor 1
 NP_571304.1 wnt inhibitory factor 1 precursor
 ACX31196.1 WNT1 inducible signaling pathway protein 1b
 NP_001107100.1 WNT1 inducible signaling pathway protein 1b precursor
 NP_001186030.1 WNT1 inducible signaling pathway protein 2 precursor
 AAI63661.1 Wnt10a protein
 NP_001187270.1 wnt1-inducible-signaling pathway protein 1 precursor
 NP_001159703.1 WNT1-inducible-signaling pathway protein 3 precursor
 AAH58398.1 Wnt7b protein, partial
 AAK70224.1 Wnt8-like protein 2
 ACI95254.1 Wnt9a
 AAI71696.1 Wolf-Hirschhorn syndrome candidate 1
 ABC88477.1 Wolf-Hirschhorn syndrome candidate 1 protein
 NP_001166972.1 Wolf-Hirschhorn syndrome candidate 2
 NP_001072375.1 WSC domain-containing protein 1
 NP_001103239.1 WSC domain-containing protein 2
 AAH46014.1 Wu:fb33b12 protein, partial
 NP_001188487.1 wu:fb39e12
 AAI28844.1 Wu:fb78c02 protein
 AAI67439.1 Wu:fc02b10 protein
 AAI29246.1 Wu:fc13d03 protein
 AAH56589.1 Wu:fc21h01 protein, partial
 AAH90749.1 Wu:fc26c03 protein, partial
 AAH44500.1 Wu:fc32f04 protein
 AAI33847.1 Wu:fc44f06 protein
 AAI07829.1 Wu:fc47e12 protein
 AAI35016.1 Wu:fc51g12 protein
 AAH81400.1 Wu:fc64b08 protein, partial
 AAH91661.1 Wu:fc83c01 protein, partial
 AAI55800.1 Wu:fd12d03 protein
 AAI14271.1 Wu:fd60e07 protein
 AAH49512.1 Wu:fi12b10 protein
 AAH56722.1 Wu:fi13g07 protein, partial
 AAH55229.1 Wu:fi40b08 protein, partial
 AAH98621.1 Wu:fi47e11 protein
 NP_001124256.1 wu:fk11d03
 AAI27563.1 Wu:fk81d02 protein
 AAH92725.1 Wu:fk81d02 protein, partial
 AAI55350.1 Wu:fk84e06 protein
 NP_001037798.1 WW domain binding protein 1-like a
 NP_001018467.1 WW domain binding protein 1-like b
 ABC94619.1 WW domain binding protein 2
 AAS92632.1 WW domain containing adaptor with coiled-coil
 NP_001018380.1 WW domain-binding protein 2
 NP_955954.1 WW domain-containing adapter protein with coiled-coil
 NP_957207.1 WW domain-containing oxidoreductase
 NP_001167427.1 X/potassium-transporting ATPase subunit beta-m
 NP_998145.1 xaa-Pro aminopeptidase 1
 NP_957326.1 xaa-Pro aminopeptidase 2
 NP_001133367.1 Xaa-Pro aminopeptidase 3
 AAH56771.1 Xab2 protein
 XP_002432378.1 xenotropic and polytropic murine leukemia virus receptor xpr1, putative

NP_001119862.1 xenotropic and polytropic retrovirus receptor 1 homolog
 NP_956765.1 xeroderma pigmentosum, complementation group A
 AAI71390.1 Xeroderma pigmentosum, complementation group C
 NP_001134926.1 XIAP-associated factor 1
 EGW00840.1 Xin actin-binding repeat-containing protein 1
 NP_001012253.2 XK, Kell blood group complex subunit-related family, member 7
 NP_001007407.1 XK-related protein 2
 NP_001012258.1 XK-related protein 4 isoform 1
 NP_001012260.1 XK-related protein 5 precursor
 NP_001012257.1 XK-related protein 6
 NP_001012252.1 XK-related protein 7
 NP_001027880.1 XK-related protein 7a
 NP_001012259.1 XK-related protein 9
 NP_001136056.1 X-linked interleukin-1 receptor accessory protein-like 2 precursor
 AAH54579.1 XPA binding protein 2
 AAI42792.1 Xpo6 protein
 AAI67478.1 Xpo7 protein
 AAI16574.1 X-prolyl aminopeptidase (aminopeptidase P) 1, soluble
 AAI54306.1 X-prolyl aminopeptidase (aminopeptidase P) 3, putative
 NP_001017360.1 X-ray repair complementing defective repair in Chinese hamster cells 5
 AAI15209.1 Xrcc5 protein
 AAI54333.1 Xrcc6 protein
 ADV78230.1 xylosyltransferase 1
 NP_956673.1 xylulose kinase
 NP_001070926.1 y cytochrome P450, family 2, subfamily AA, polypeptide 2
 NP_001032648.1 Y+L amino acid transporter 1
 NP_001018310.1 Y+L amino acid transporter 2
 NP_001134722.1 YD008 protein
 ELW66951.1 YEATS domain-containing protein 2
 AAI29217.1 Yes-associated protein 1
 ACO08878.1 YIPF3
 ACI69852.1 YIPF4
 NP_001187872.1 YIPF7 protein
 EAW94407.1 yippee-like 2 (Drosophila), isoform CRA_a
 NP_001038308.1 yjeF N-terminal domain-containing protein 3
 NP_001132952.1 yorkie homolog
 AAI49330.1 YPEL3 protein
 NP_001077336.1 yrdC domain-containing protein, mitochondrial
 AAH81616.1 Yrk protein
 NP_997878.1 YTH domain family protein 1
 NP_956544.1 YTH domain family protein 2
 NP_001007411.1 YTH domain-containing protein 1
 AAH86710.1 Ywhab1 protein
 AEX07733.1 YWHAE/FAM22B fusion protein, partial
 AAH71323.1 Ywhai protein
 NP_001186296.1 ZAR1-like protein
 AAP78764.1 zbs559
 AAI65228.1 Zbtb16 protein
 AAI53491.1 Zc3h7 protein
 AAH85328.1 Zc3hdc11 protein, partial
 AAH49016.1 Zcche17 protein, partial
 AAI52526.1 Zcche71 protein
 BAF44666.1 zebrafish target of rapamycin
 BAM29295.1 Zen 1
 AAH48543.1 Zfp385b protein
 AAI62670.1 Zfpm2a protein
 AAA86091.1 zg2, partial
 AAH78331.1 Zgc:101088
 CAP71898.1 zgc:101704
 AAI54280.1 Zgc:101710 protein
 AAH96969.1 Zgc:101731
 AAH90827.1 Zgc:101788
 AAH85444.1 Zgc:101809
 AAH83368.1 Zgc:103419
 AAI24127.1 Zgc:103514
 AAI55308.1 Zgc:103534 protein
 AAH99981.1 Zgc:109744
 AAH76487.1 Zgc:109983
 CAP71946.1 zgc:110016
 AAH76143.1 Zgc:110046 protein, partial
 AAI55153.1 Zgc:110075 protein
 AAH76043.1 Zgc:110116 protein, partial
 AAH92751.1 Zgc:110137
 AAH92775.1 Zgc:110179
 AAH56801.1 Zgc:110248 protein, partial
 AAH92837.1 Zgc:110269
 AAI71359.1 Zgc:110319
 AAH71456.2 Zgc:110339
 AAI65266.1 Zgc:110380 protein

AAH81540.1	Zgc:110391 protein, partial
AAH66727.1	Zgc:110443 protein, partial
AAH90184.1	Zgc:110527
AAH95320.1	Zgc:110579
AAH92938.1	Zgc:110581
AAI55809.1	Zgc:110694 protein
AAH90743.1	Zgc:110752
AAH91662.1	Zgc:110761
AAH90779.1	Zgc:110810
AAH91867.1	Zgc:110844
AAH95563.1	Zgc:111826
AAH93123.1	Zgc:111878
AAH93142.1	Zgc:111982
AAH93158.1	Zgc:112009
AAH95661.1	Zgc:112061 protein
AAH96877.1	Zgc:112077
AAI53573.1	Zgc:112088
AAI53412.1	Zgc:112092
AAH95069.1	Zgc:112208
AAH56811.1	Zgc:112265 protein, partial
AAH96884.1	Zgc:112300
AAH95766.1	Zgc:112330
CAP71952.1	zgc:112341
AAI53558.1	Zgc:113025 protein
CAM73163.1	zgc:113035
AAH90472.1	Zgc:113115
AAH95870.1	Zgc:113169
AAH95875.1	Zgc:113192 protein
AAI59208.1	Zgc:113194 protein
AAI54363.1	Zgc:113346 protein
AAH90451.1	Zgc:113421
AAI33117.1	Zgc:113516 protein
AAH83286.1	Zgc:113841 protein, partial
AAH97014.1	Zgc:113920
AAH97029.1	Zgc:113947 protein
AAH98886.1	Zgc:113992
AAI71549.1	Zgc:114067 protein
AAH74094.1	Zgc:114089 protein, partial
AAH93155.1	Zgc:122989 protein, partial
AAH91462.1	Zgc:123017 protein, partial
AAI09445.1	Zgc:123285
AAI16470.1	Zgc:136239
AAH77082.1	Zgc:136279 protein
AAH95174.1	Zgc:136346 protein
AAH95813.1	Zgc:136359 protein
AAI34884.1	Zgc:136374 protein
AAI16524.1	Zgc:136377
AAI15118.1	Zgc:136405
AAI62352.1	Zgc:136412 protein
AAI15135.1	Zgc:136440 protein
AAH95053.1	Zgc:136465 protein
AAI16551.1	Zgc:136471 protein
AAH76464.1	Zgc:136472 protein
AAI15158.1	Zgc:136505 protein
AAI16583.1	Zgc:136545
AAI16598.1	Zgc:136585
CAP71901.1	zgc:136589
AAI15214.1	Zgc:136650
AAH93324.1	Zgc:136652 protein
AAI15219.1	Zgc:136666 protein
AAH93187.1	Zgc:136688 protein
AAI35018.1	Zgc:136689
AAI15236.1	Zgc:136713
AAH65891.1	Zgc:136713 protein
AAI55138.1	Zgc:136817 protein
AAI15303.1	Zgc:136874
AAI21715.1	Zgc:136881
AAI15314.1	Zgc:136889
AAI54261.1	Zgc:136930 protein
AAI53526.1	Zgc:152651 protein
AAH96949.1	Zgc:152732 protein
AAH93193.1	Zgc:152774 protein
AAH90518.1	Zgc:152779 protein
AAH90277.1	Zgc:152783 protein
AAH90165.1	Zgc:152785 protein
AAI24135.1	Zgc:152804
AAI62643.1	Zgc:152810 protein
AAI24594.1	Zgc:152845
AAI65244.1	Zgc:152845 protein

AAH42323.1	Zgc:152851 protein
AAI24161.1	Zgc:152869
AAI24603.1	Zgc:152900
AAI24609.1	Zgc:152941
AAI65705.1	Zgc:152959 protein
AAI41792.1	Zgc:152968 protein
AAI46714.1	Zgc:152984 protein
AAI55131.1	Zgc:153038 protein
AAI22130.1	Zgc:153066 protein
AAI22136.1	Zgc:153080
AAI22155.1	Zgc:153136
AAI24650.1	Zgc:153156
AAI24297.1	Zgc:153272
AAI22221.1	Zgc:153290
AAI24324.1	Zgc:153348
AAI54345.1	Zgc:153369 protein
AAI24675.1	Zgc:153436
AAI25880.1	Zgc:153587
AAI24711.1	Zgc:153639
AAI22397.1	Zgc:153719
AAI22400.1	Zgc:153725
AAI71425.1	Zgc:153733
AAI24487.1	Zgc:153894
AAI33819.1	Zgc:153898 protein
AAI54253.1	Zgc:153958
AAI55731.1	Zgc:153995 protein
AAI29041.1	Zgc:153999
AAI25949.1	Zgc:154064 protein
AAI24814.1	Zgc:154116
AAI29136.1	Zgc:158130
AAH97123.1	Zgc:158130 protein
AAI10099.2	Zgc:158157 protein
AAI29182.1	Zgc:158263
CAP71923.1	zgc:158279
AAI42757.1	Zgc:158285 protein
AAI33083.1	Zgc:158327 protein
AAI55757.1	Zgc:158414
AAI27596.1	Zgc:158417
AAI53524.1	Zgc:158431
AAH95263.1	Zgc:158531 protein
AAI29332.1	Zgc:158627
AAI53520.1	Zgc:158628 protein
AAI22151.1	Zgc:158644
AAI22231.1	Zgc:158664 protein
AAI29383.1	Zgc:158685
AAH90704.1	Zgc:158780 protein
AAI29453.1	Zgc:158787
AAI33161.1	Zgc:158802 protein
AAI33174.1	Zgc:158861 protein
AAI29503.1	Zgc:158867
AAI33178.1	Zgc:158875 protein
AAI24676.1	Zgc:161969 protein
AAI24187.1	Zgc:161973 protein
AAI34845.1	Zgc:161981
AAI24826.1	Zgc:161981 protein
AAH93146.1	Zgc:162082 protein
AAI53515.1	Zgc:162327 protein
AAI24720.1	Zgc:162344 protein
AAI16588.1	Zgc:162425 protein
AAH95325.1	Zgc:162471 protein
AAH91893.1	Zgc:162502 protein
AAH90309.1	Zgc:162512 protein
AAI34016.1	Zgc:162523 protein
AAI08078.1	Zgc:162544 protein
AAI53381.1	Zgc:162613 protein
AAI39611.1	Zgc:162621 protein
AAI39613.1	Zgc:162698 protein
AAI42599.1	Zgc:162722 protein
AAI24428.1	Zgc:162723 protein
AAI39647.1	Zgc:162848 protein
AAI39659.1	Zgc:162883 protein
AAH67659.1	Zgc:162905 protein
AAI35079.1	Zgc:162944 protein
AAI35081.1	Zgc:162956 protein
AAI34184.1	Zgc:162985 protein
AAI41799.1	Zgc:163008 protein
AAI60663.1	Zgc:163016
AAI35103.1	Zgc:163098 protein
AAI35108.1	Zgc:163121 protein

AAI54516.1	Zgc:165461 protein
AAI71722.1	Zgc:165600 protein
AAI42896.1	Zgc:165604
AAI29204.1	Zgc:171298 protein
AAI55549.1	Zgc:171422 protein
AAI55064.1	Zgc:171428 protein
AAI54006.1	Zgc:171819 protein
AAI71632.1	Zgc:171831
AAI54019.1	Zgc:171859 protein
AAI50406.1	Zgc:171928 protein
AAI63301.1	Zgc:171967 protein
AAI15265.1	Zgc:172009 protein
AAI71544.1	Zgc:172040 protein
AAI54541.1	Zgc:172119 protein
AAI67445.1	Zgc:172141 protein
AAI55617.1	Zgc:172162 protein
AAI54637.1	Zgc:172283 protein
AAI33173.1	Zgc:173439 protein
AAI55238.1	Zgc:173656 protein
AAH56313.1	Zgc:174506 protein
AAI55845.1	Zgc:175171 protein
AAI59255.1	Zgc:175202 protein
AAI62562.1	Zgc:193796 protein
AAI62761.1	Zgc:194249 protein
AAI34249.1	Zgc:194470 protein
AAI62777.1	Zgc:194486
AAI63383.1	Zgc:194800
AAI63176.1	Zgc:195147 protein
AAI63818.1	Zgc:195245
AAH93409.1	Zgc:195326 protein
AAH49402.1	Zgc:55259 protein
CAM73212.1	zgc:55318
AAI55825.1	Zgc:55318 protein
AAI54564.1	Zgc:55392
AAH71340.1	Zgc:55448 protein
AAH66530.1	Zgc:55466
AAI65742.1	Zgc:55572 protein
AAH45399.1	Zgc:55605
AAH66489.1	Zgc:55605 protein
AAH75764.1	Zgc:55664
AAH45423.1	Zgc:55673
AAH45429.1	Zgc:55695 protein
AAI63108.1	Zgc:55701 protein
AAH44517.1	Zgc:55862
AAH75780.1	Zgc:55863 protein
AAH78652.1	Zgc:55943 protein
AAH47798.1	Zgc:55983
AAI54209.1	Zgc:56068 protein
AAH47836.1	Zgc:56141 protein
NP_956500.2	zgc:56194 precursor
CAP07994.1	zgc:56201
AAI54231.1	Zgc:56388 protein
AAH66421.2	Zgc:56407
AAH49448.1	Zgc:56454
AAH49027.1	Zgc:56466
AAI55280.1	Zgc:56556 protein
AAH66622.1	Zgc:56585 protein
AAH49334.1	Zgc:56589
AAH71470.1	Zgc:56665 protein
AAH50178.1	Zgc:56698
AAH54897.1	Zgc:63474 protein
AAH63743.1	Zgc:63504 protein
AAI63376.1	Zgc:63546 protein
AAH55159.1	Zgc:63600
AAH55171.1	Zgc:63629
AAH55175.1	Zgc:63635 protein
AAH56794.1	Zgc:63645 protein
AAH55183.1	Zgc:63647
CAP08019.1	zgc:63670
AAH56799.1	Zgc:63674
AAH61453.1	Zgc:63688
AAH56821.1	Zgc:63767 protein
AAI54325.1	Zgc:63831
AAI54786.1	Zgc:64155
CAM60090.1	zgc:64208
CAM73235.1	zgc:64227
AAI71355.1	Zgc:65845
AAH56733.1	Zgc:66055
AAH67667.1	Zgc:66100 protein

AAH46903.1 Zgc:66125 protein, partial
AAH46881.1 Zgc:66156 protein, partial
AAH55530.1 Zgc:66176
AAH80208.1 Zgc:66241 protein
AAI28811.1 Zgc:66298
AAH52128.1 Zgc:66430 protein
AAI55781.1 Zgc:66443 protein
AAH54712.1 Zgc:66479
AAH60915.1 Zgc:73189
AAH59596.1 Zgc:73264
AAH66601.3 Zgc:73290
AAH60930.1 Zgc:73292 protein
AAH59619.1 Zgc:73293
AAH91655.1 Zgc:73317 protein
AAH59632.1 Zgc:77123 protein
AAH55609.1 Zgc:77174 protein, partial
AAH65621.1 Zgc:77182
CAM73173.1 zgc:77222
AAH65948.1 Zgc:77292
AAH65641.1 Zgc:77304 protein
AAH66541.1 Zgc:77517
AAH66520.1 Zgc:77560 protein
AAH44384.1 Zgc:77655
AAH63236.1 Zgc:77799
AAH63987.1 Zgc:77870
AAH62866.1 Zgc:77875 protein
AAH47180.1 Zgc:85653
AAI54223.1 Zgc:85696
AAI33132.1 Zgc:85787 protein
AAI54822.1 Zgc:85942 protein
AAH67725.1 Zgc:85969
CAP08002.1 zgc:86661
AAI68498.1 Zgc:86749 protein
AAH71425.1 Zgc:86753
AAI71448.1 Zgc:86764
AAI55745.1 Zgc:86896
AAI54202.1 Zgc:91912
AAI55170.1 Zgc:91936 protein
AAH76553.1 Zgc:91959
AAI58198.1 Zgc:92004 protein
AAH76531.1 Zgc:92030
AAI54770.1 Zgc:92069 protein
AAH88382.1 Zgc:92074 protein
AAH85639.1 Zgc:92122
AAH85641.1 Zgc:92130
AAI29490.1 Zgc:92177 protein
AAI54293.1 Zgc:92230 protein
AAH81627.1 Zgc:92231
AAH81655.1 Zgc:92353
AAI65784.1 Zgc:92380 protein
AAI53446.1 Zgc:92610 protein
AAI53444.1 Zgc:92683 protein
AAH76190.1 Zgc:92710
AAH76217.1 Zgc:92739
AAH95239.1 Zgc:92753 protein
AAH86824.1 Zgc:92754 protein
AAH95294.1 Zhx3 protein
NP_001001820.1 zic family member 2b
NP_001001837.1 zic family member 6
AAV87660.1 zinc exporter 1
NP_001038349.1 zinc finger and BTB domain containing 12, tandem duplicate 2
NP_999962.1 zinc finger and BTB domain-containing protein 1
NP_001122011.1 zinc finger and BTB domain-containing protein 10
NP_997815.2 zinc finger and BTB domain-containing protein 11
NP_001133383.1 Zinc finger and BTB domain-containing protein 17
NP_998580.2 zinc finger and BTB domain-containing protein 2
NP_001074073.1 zinc finger and BTB domain-containing protein 20
NP_001018866.1 zinc finger and BTB domain-containing protein 24
NP_001038625.1 zinc finger and BTB domain-containing protein 37
NP_001138270.1 zinc finger and BTB domain-containing protein 44
ACX35617.1 zinc finger and homeobox protein 2 isoform
NP_955974.1 zinc finger C2HC domain-containing protein 1A
NP_996981.1 zinc finger CCCH domain-containing protein 10
NP_956816.2 zinc finger CCCH domain-containing protein 13
NP_956182.1 zinc finger CCCH domain-containing protein 15
NP_001037804.1 zinc finger CCCH domain-containing protein 18
ACO13483.1 Zinc finger CCCH type antiviral protein 1
NP_955980.2 zinc finger CCCH type containing 11A-like
NP_956779.1 zinc finger CCCH-type with G patch domain-containing protein

NP_001091858.1 zinc finger CCHC domain-containing protein 24
NP_001107071.1 zinc finger CCHC domain-containing protein 4
NP_001077287.1 zinc finger CCHC domain-containing protein 8
ELW65500.1 Zinc finger CCHC domain-containing protein 8, partial
NP_001017589.1 zinc finger CCHC-type and RNA-binding motif-containing protein 1
AES10074.1 zinc finger E-box binding homeobox 1, partial
NP_571784.1 zinc finger E-box-binding homeobox 1
NP_001108023.1 zinc finger E-box-binding homeobox 2 isoform 1
NP_001128576.1 zinc finger E-box-binding homeobox 2 isoform 2
NP_001017401.1 zinc finger HIT domain-containing protein 1
NP_001071086.1 zinc finger HIT domain-containing protein 2
NP_001187909.1 zinc finger hit domain-containing protein 3
NP_997846.1 zinc finger matrin-type protein 2
NP_001106810.1 zinc finger MIZ domain-containing protein 1
EFN63408.1 Zinc finger MYM-type protein 1
NP_956691.1 zinc finger MYND domain-containing protein 10
NP_001071051.1 zinc finger MYND domain-containing protein 11 isoform 2
ADO27939.1 zinc finger mynd domain-containing protein 12
NP_898892.1 zinc finger MYND domain-containing protein 19
ABS57643.1 zinc finger of the cerebellum 4
ELK36172.1 Zinc finger protein 1 like protein
NP_001007442.1 zinc finger protein 143a
NP_001073649.1 zinc finger protein 148 isoform 1
NP_998701.1 zinc finger protein 161 homolog
ELW67724.1 Zinc finger protein 161 like protein
AAR97525.1 zinc finger protein 183
AFE67690.1 zinc finger protein 19, partial
NP_001037777.1 zinc finger protein 262
NP_001076470.1 zinc finger protein 276
NP_956724.1 zinc finger protein 277
NP_001012505.2 zinc finger protein 281-like
NP_001025383.1 zinc finger protein 292
NP_001037784.1 zinc finger protein 296
CAD60640.1 zinc finger protein 297
ELK37320.1 Zinc finger protein 3
NP_001133365.1 Zinc finger protein 313
AAI63667.1 Zinc finger protein 326
ELK17462.1 Zinc finger protein 330
NP_001075218.1 zinc finger protein 346
NP_001025418.1 zinc finger protein 36, C3H type, homolog
NP_001070621.1 zinc finger protein 36, C3H type-like 1a
NP_001071201.1 zinc finger protein 362
ELK10396.1 Zinc finger protein 384
NP_001004511.1 zinc finger protein 384 like
CAN87763.1 zinc finger protein 395
NP_001073523.1 zinc finger protein 395a
NP_001038580.1 zinc finger protein 395b
NP_991216.1 zinc finger protein 410
NP_001108523.1 zinc finger protein 414
ELK28246.1 Zinc finger protein 417
ELK29572.1 Zinc finger protein 418
NP_001073499.1 zinc finger protein 423
NP_001070629.1 zinc finger protein 438
NP_001133583.1 Zinc finger protein 503
AAI17601.1 Zinc finger protein 511
NP_001257540.1 zinc finger protein 512B isoform 2
NP_001153141.1 zinc finger protein 516
NP_001134907.1 Zinc finger protein 572 precursor
NP_001164307.1 zinc finger protein 574
NP_001133487.1 Zinc finger protein 576
NP_957111.2 zinc finger protein 593
NP_001028890.1 zinc finger protein 598
NP_001091863.1 zinc finger protein 609
EAX11249.1 zinc finger protein 650, isoform CRA_b
NP_001012507.1 zinc finger protein 668
NP_001116748.1 zinc finger protein 692
NP_571897.1 zinc finger protein 703
NP_991175.1 zinc finger protein 706
NP_956086.1 zinc finger protein 710
NP_001098993.1 zinc finger protein 711
NP_001070099.1 zinc finger protein 740
NP_001017786.1 zinc finger protein 750
NP_951017.1 zinc finger protein 781
NP_001116173.1 zinc finger protein 804A
EGW09900.1 Zinc finger protein 844
NP_001076544.1 zinc finger protein 865
NP_998659.2 zinc finger protein AEBP2
NP_001116227.1 zinc finger protein basoonclin-2
NP_001104639.1 zinc finger protein DPF3

NP_001032304.1	zinc finger protein DZIP1L
NP_001170926.1	zinc finger protein Eos
NP_001038628.1	zinc finger protein family-like
NP_958495.1	zinc finger protein Gfi-1
ADO27769.1	zinc finger protein gfi-1b
NP_840081.1	zinc finger protein GLI1
NP_001155234.1	zinc finger protein Helios
EFN60310.1	Zinc finger protein KIAA0543
ELK23158.1	Zinc finger protein neuro-d4
AAK08969.1	zinc finger protein Noz1
NP_705938.1	zinc finger protein PLAGL2
NP_001070853.1	zinc finger protein SNAI3
NP_001034549.1	zinc finger protein ZFFM1
NP_571008.1	zinc finger protein ZIC 1
ACN11131.1	Zinc finger protein ZIC 2
NP_001001950.1	zinc finger protein ZIC 3
CBN82009.1	Zinc finger protein ZIC 4
NP_998273.1	zinc finger protein ZPR1
NP_001034613.1	zinc finger protein, multitype 2b
NP_001231707.1	zinc finger protein-like
ADO28076.1	zinc finger protein-like 1
NP_001138291.1	zinc finger SWIM domain-containing protein 5
NP_001171405.1	zinc finger transcription factor Trps1
NP_001076474.2	zinc finger with UFM1-specific peptidase domain-like
NP_001008650.2	zinc finger, DHHC-type containing 13
NP_999872.1	zinc finger, DHHC-type containing 18
NP_001071031.1	zinc finger, DHHC-type containing 18a
NP_001002725.1	zinc finger, DHHC-type containing 3
NP_001034729.1	zinc finger, DHHC-type containing 5a
NP_001191086.1	zinc finger, DHHC-type containing 6
NP_001070759.2	zinc finger, FYVE domain containing 27
NP_001123397.1	zinc finger, MYM-type 4
NP_001139179.1	zinc finger, SWIM-type containing 8
NP_942109.2	zinc fingers and homeoboxes protein 2
EGI70348.1	Zinc metalloprotease zmpB
EHB11816.1	Zinc phosphodiesterase ELAC protein 2
NP_001121706.1	zinc transporter 10
NP_001133377.1	Zinc transporter 4
NP_001008575.1	zinc transporter 9
NP_956965.1	zinc transporter ZIP10 precursor
NP_001187614.1	zinc transporter zip11
CBN82065.1	Zinc transporter ZIP12
NP_001005306.3	zinc transporter ZIP13
NP_001167266.1	Zinc transporter ZIP13 precursor
AFE74603.1	zinc transporter ZIP14 isoform a precursor, partial
ELV09269.1	Zinc transporter ZIP3
ELV12043.1	Zinc transporter ZIP5
NP_001013558.1	zinc transporter ZIP9
YP_004358582.1	zinc-binding protein
AAD09746.1	ZIS1
BAC24796.1	zisp
AEM65782.1	zisupton
AAH44506.1	Znf131 protein
AAI63289.1	Znf148 protein
ABO13874.1	ZNF384
AAU85847.1	zona pellucida C related protein
AEN69458.1	zona pellucida glycoprotein
NP_001098574.1	zona pellucida glycoprotein 2, like 1 precursor
NP_001158864.1	Zona pellucida-like domain-containing protein 1 precursor
AAI52068.1	Zp2.3 protein
CAA88735.1	ZP3
AAI52496.1	Zp3a.2 protein
NP_001098219.1	ZPC domain containing protein 3 precursor
ABY81290.1	ZPC5
AEH22105.1	zpd11
AAH78216.2	Zranb3 protein
NP_919362.2	zygote arrest protein 1
NP_001080158.1	zygotic DNA replication licensing factor mcm3
NP_001093497.1	ZZ-type zinc finger-containing protein 3
O93279.1	Amyloid beta A4 protein
Q802W2.2	Aldehyde dehydrogenase family 9 member A1-B
A3QK15.1	Acetoacetyl-CoA synthetase
Q1LV46.1	Alpha/beta hydrolase domain-containing protein 14A
O42275.1	Acetylcholinesterase
P18845.1	Neuronal acetylcholine receptor subunit alpha-3
P13908.1	Neuronal acetylcholine receptor subunit non-alpha-2
P18257.1	Neuronal acetylcholine receptor subunit non-alpha-3
Q5XIY4.1	Protein ACN9 homolog, mitochondrial
Q0P4F7.1	Acyl-CoA synthetase family member 2,

P83750.1	Actin, cytoplasmic 1
P32251.1	Alpha-2 adrenergic receptor
AAG16878.1	myosin heavy chain FM3A
AAD52005.1	FMVIA
AAD52006.1	FMVIB
AAD27752.1	p73
AAF61750.1	translation initiation factor eIF-2B precursor
AAD32447.1	bamcan homolog
AAD47893.1	metabotropic glutamate receptor
AAG09924.1	non-classical MHC class I heavy chain
AAD34306.1	transposase homolog
AAD26624.1	fizzy-related protein
AAD26121.2	guanine nucleotide-binding protein Gi2 alpha-subunit
AAF82387.1	gastrin-releasing peptide precursor
AAD24542.1	MHC class II-associated invariant chain
AAD53034.1	TAP2 protein
AAF69028.1	cytochrome P450 2P1
AAF14364.1	homeodomain transcription factor Mixer
AAD27643.1	ribosomal protein S3
AAD32631.1	de novo DNA methyltransferase 3
AAD56357.1	zinc metalloprotease ADAMTS6
AAD33900.1	lysyl oxidase related protein homolog
AAD34966.1	acetyl-CoA acetyltransferase 2
AAF24169.1	janus kinase 3
AAF73186.1	glutamic acid decarboxylase isoform 65
AAF73187.1	glutamic acid decarboxylase isoform 67
AAF24170.1	proteinx0008
AAF72750.1	heat shock transcription factor 1a
AAF28185.1	immunoglobulin heavy chain V region partial
AAF28958.1	HSPC280
AAQ13609.1	MSTP086
AAD51822.1	N-type calcium channel alpha-1B cdb8 variant
AAF04517.1	F-box protein Fbx8
AAD56889.1	TCR alpha variable region
AAD56898.1	TCR beta variable region partial
AAD56900.1	TCR beta variable region
AAL05974.1	receptor PTP-like protein IA-2
AAF05816.1	proteasome activator subunit 3
AAF04851.1	putative alcohol dehydrogenase
AAG36772.1	Slit3
AAF17105.1	polysialyltransferase
AAF87326.1	CLK4
AAK01069.1	corticotropin releasing factor receptor 2
AAK01070.1	corticotropin releasing factor receptor 3
AAL08215.1	jagged2
AAG12191.1	muscle glucose transporter
AAF65827.1	alpha amylase
AAK49117.1	spleen protein tyrosine kinase
AAF70195.1	myogenic regulatory factor myf5
AAG30407.1	vitellogenin 3 precursor
AAF87992.1	proteolipid M6B isoform alpha-beta-TMD-psi
AAK49121.1	aldehyde dehydrogenase
AAF72667.1	calcium/calmodulin-dependent serine protein kinase membrane-associated guanylate kinase
AAF81247.1	forkhead activin signal transducer FAST
AAK52417.1	pKU-alpha protein kinase
AAK52419.1	protein kinase Chk2
AAG13324.1	hemopexin-like protein
AAG44730.1	EF1a-like protein
AAG31060.1	G-protein B1 subunit
AAF82126.1	vitamin K-dependent gamma-glutamyl carboxylase
AAF82808.1	calpain 1
AAG25206.1	MHC class I heavy chain precursor
AAG31764.1	thyrotropin-releasing hormone receptor 2
AAG35800.1	Na/Pi cotransporter NaPi-IIb2
AAG28762.1	squamous-cell carcinoma T-cell-recognized antigen
AAG22081.1	14-3-3.a protein
AAG24880.1	connexin 44.2
AAK28043.1	transmembrane receptor Roundabout3
AAL54865.1	CCAAT/enhancer binding protein beta
AAG30275.1	Na+/K+ ATPase alpha subunit isoform 5
AAG40860.1	Kv3.3 potassium channel subunit precursor
AAK01923.1	nonspecific cytotoxic cell receptor protein
AAG53683.1	MHC class I heavy chain partial
AAK15300.1	receptor tyrosine kinase Fms
AAG46038.1	T cell receptor beta chain VDJC
AAM95605.1	gonadotropin-releasing hormone receptor 2
AAK58426.1	roundabout1
AAK52474.1	Rho GTPase-activating protein
AAK27699.1	Gli2

AAK69693.1	glypican Knypek
AAK58879.1	putative reverse transcriptase
AAK27722.1	sodium/potassium pump alpha subunit
AAL01836.1	claudin 11
AAL24467.1	UDP-glucose dehydrogenase
AAK52503.1	AMPA glutamate receptor subunit 1a short Flop isoform
AAL13229.1	AMPA receptor subunit 2b
AAL13230.1	AMPA receptor subunit 2a
AAK95589.1	IGHM enhancer 3a-binding transcription factor
AAK51970.1	cer-d4 XZ isoform
AAL04486.1	transcription factor Nkx5-2
AAK52836.1	G-protein beta 5
AAK53436.1	prolactin hormone
AAK51558.1	preproinsulin
AAK64495.1	amyloid precursor protein
AAK91291.1	atypical protein kinase C lambda
AAK76993.1	kruppel-like factor 4
AAK83380.1	smoothened
AAL26325.1	alcohol dehydrogenase
AAM45766.1	basic immunoglobulin-like variable motif-containing protein
AAL89660.1	SRm160/300 splicing coactivator partial
AAL04169.1	mismatch repair protein Msh2
AAL04170.1	mismatch repair protein Msh6
AAL11906.1	ikaros
AAN76663.2	P100-like protein short variant
AAL79825.1	DachshundC
AAQ04554.1	DMRT1
AAL32047.1	Xiap
AAL50804.1	GABAA receptor gamma2 subunit
AAN75698.1	SE2-5L16 protein
AAN87556.1	PDGFRalpha isoform 2
AAM21009.1	QKI isoform D KH
AAP68899.1	somatostatin receptor type five subtype C
AAL87140.1	DEAD box RNA helicase Vasa
AAM18478.1	VHSV-induced protein partial
AAO49408.1	elongation factor 1-alpha
AAM76920.1	protein kinase RICK
AAM00910.1	glycine receptor alphaZIL subunit
AAM22227.1	adipose glucose transporter
AAM34658.1	vesicular integral-membrane protein VIP36-like protein
AAM34664.1	valyl-tRNA synthetase
AAM34687.1	transcription factor Tcf4 variant S9
AAM44059.1	lunatic fringe protein
AAO65847.1	class IIIB myosin short isoform
AAM55226.1	CA protein
Q7ZW00.2	Acylglycerol kinase, mitochondrial
Q6NYL5.2	Alanine aminotransferase 2-like
P53448.2	Fructose-bisphosphate aldolase
Q7ZW24.2	GDP-Man:Man(3)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase
A1YB07.2	Angiotensin-like 2a
Q5RGQ2.2	Protein arginine N-methyltransferase 8-B
P55202.1	Atrial natriuretic peptide receptor 2
Q5RJ20.1	Transcription factor AP-2-delta
A0MTA1.1	DNA-(apurinic or apyrimidinic site) lyase
Q9DG12.2	Aryl hydrocarbon receptor nuclear translocator 2
P51466.1	Arrestin red cell isoform 1
Q6PH17.1	Alpha-tubulin N-acetyltransferase
Q6DG88.2	Cysteine protease ATG4B
F1Q4S1.1	Probable phospholipid-transporting ATPase IIB
Q9PTY0.1	ATP synthase subunit beta, mitochondrial
Q6AXK4.2	BRISC and BRCA1-A complex member 1
A3KPW9.1	Large proline-rich protein BAG6
A1L2G3.2	Ubiquitin carboxyl-terminal hydrolase BAP1
A2BIL7.2	Tyrosine-protein kinase BAZ1B
A2BIL8.1	B-cell CLL/lymphoma 7 protein family member B-B
Q5XFY4.1	B-cell CLL/lymphoma 7 protein family member A
Q32LQ4.1	Betaine-homocysteine S-methyltransferase 1
P0CF95.1	Bicaudal D-related protein 1
Q90WT7.1	Bladder cancer-associated protein
F1QW93.2	Bromodomain testis-specific protein
A8KBY2.1	Transcription factor IIIB 50 kDa subunit
Q1LVW0.2	Ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A
P0C7A6.1	Ankyrin repeat and BTB/POZ domain-containing protein BTBD11-B
Q567Z7.1	Protein BUD31 homolog
Q1LUC1.1	Basic leucine zipper and W2 domain-containing protein 2
P0C7U4.1	C3a anaphylatoxin chemotactic receptor
Q5M7Y0.2	Collagen type IV alpha-3-binding protein
Q5TYP4.1	Uncharacterized protein C1orf112 homolog
Q99244.2	Voltage-dependent L-type calcium channel subunit alpha-1D

P22316.1 Dihydropyridine-sensitive L-type skeletal muscle calcium channel subunit alpha-1
Q8AXU4.1 Calcitonin gene-related peptide type 1 receptor
B5X186.1 Calumenin-A
A6H8T2.2 Cancer susceptibility candidate protein 1 homolog
Q1ECZ4.1 Protein CASC3
Q5RFV8.2 WD repeat-containing protein C2orf44 homolog
Q66I85.1 Coiled-coil domain-containing protein 130 homolog
P0CK98.1 Coiled-coil domain-containing protein 39
A7MC22.2 Coiled-coil domain-containing protein 69
Q1LX29.2 Coiled-coil domain-containing protein 79
Q92161.1 Cyclin-A1
Q60FX9.1 G2/mitotic-specific cyclin-B2
Q90304.2 CD166 antigen homolog
A7YY97.1 Hsp90 co-chaperone Cdc37-like 1
Q9DGQ7.1 Hsp90 co-chaperone Cdc37
A8WIP6.1 Cyclin-dependent kinase 20
Q6NZT2.2 Cerebellar degeneration-related protein 2-like
P85001.1 Centrosomal protein of 290 kDa
Q1LV50.1 Centromere protein P
Q6PGZ0.2 Centrosomal protein of 63 kDa
Q501X2.2 Centrosomal protein of 72 kDa
Q7ZTY6.2 Uncharacterized protein C7orf26 homolog
B0R0I6.2 Chromodomain-helicase-DNA-binding protein 8
Q6DBY9.2 Carbohydrate sulfotransferase 1
B5X9P2.1 Probable cytosolic iron-sulfur protein assembly protein ciao1-A
Q6DEL2.1 Cleft lip and palate transmembrane protein 1 homolog
Q7ZVC2.2 Clusterin-associated protein 1 homolog
P55934.1 Cyclic nucleotide-gated cation channel
A2BHJ4.1 CCR4-NOT transcription complex subunit 6-like
Q8AXZ4.1 Contactin-1a
F1R983.1 DNA endonuclease RBBP8
A2BE76.1 UPF0472 protein C16orf72 homolog
Q92111.1 Cytochrome P450 19A1
Q6EIG3.1 Cytochrome P450 26B1
Q92088.1 Cytochrome P450 2M1
Q9YGX5.1 Cytoplasmic polyadenylation element-binding protein 1
Q5U3U3.2 Carnitine O-palmitoyltransferase 2, mitochondrial
Q1LYG4.2 Cyclic AMP-responsive element-binding protein 3-like protein 3-B
P10I12.3 Beta-crystallin S
Q7SXF6.2 Cysteine-rich with EGF-like domain protein 2
Q568M3.1 Cytokine receptor-like factor 3
O93591.1 Alpha-crystallin A chain
Q6P2U9.1 COP9 signalosome complex subunit 3
P06914.1 Circumsporozoite protein
A5PMW0.1 Choline transporter-like protein 5-A
Q92052.1 Gap junction gamma-1 protein
A8DZE7.1 Short-chain dehydrogenase/reductase family 42E member 1
A0JML8.1 DALR anticodon-binding domain-containing protein 3
B0V2S2.1 5' exonuclease Apollo
P0C218.1 Probable ATP-dependent RNA helicase DDX20
Q8JHJ2.2 ATP-dependent RNA helicase DDX55
Q6NXD8.2 DENN domain-containing protein 5B
Q6PEH4.2 Digestive organ expansion factor
Q6DI48.1 Delta-like protein A
Q8UWJ4.2 Delta-like protein D
Q01702.1 Homeobox protein Dlx3b
Q4A3R3.1 Deleted in malignant brain tumors 1 protein
B5X216.1 Draxin-A
A8E5C5.1 Dehydrogenase/reductase SDR family member 7C-A
Q5RHI5.1 Denticleless protein homolog
Q5XJ56.1 DTW domain-containing protein 1
P0C599.1 Dual specificity phosphatase DUPD1
Q4VSN1.1 Dual serine/threonine and tyrosine protein kinase
Q63164.2 Dynein heavy chain 1, axonemal
Q7T019.2 Zinc finger protein Dzip1
F1R6N4.2 Ethylmalonyl-CoA decarboxylase
Q08CK1.1 Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial
Q566T0.2 Polycomb protein eed
Q90YC0.1 Elongation factor 1-gamma
Q32TF8.2 EF-hand domain-containing family member C2
Q5SPP5.2 Protein EFR3 homolog B
Q6TH15.1 Eukaryotic translation initiation factor 3 subunit D
Q6DRC4.1 Eukaryotic translation initiation factor 3 subunit G
Q05AM5.1 Elongator complex protein 2
Q566Y1.2 Elongator complex protein 4
A7E2M3.1 ER membrane protein complex subunit 10
A1L251.1 Cytosolic endo-beta-N-acetylglucosaminidase
Q91736.1 Ephrin type-B receptor 1-B
O13147.1 Ephrin type-B receptor 3

Q99KN9.2	Clathrin interactor 1
Q5SPR8.1	N-acetyltransferase ESCO2
Q7ZVR8.2	Epithelial splicing regulatory protein 2
A2AV37.1	Exocyst complex component 3-like protein
Q502K1.2	Nuclease EXOG, mitochondrial
Q5IGR8.1	Exostosin-1a
Q7T297.2	Protein FAM172A
Q1LWH4.2	Fanconi-associated nuclease 1
Q2YDQ5.2	F-box/LRR-repeat protein 5
E7FBF7.2	FCH domain only protein 1
Q6TNU4.1	Flap endonuclease 1
Q25434.1	Adhesive plaque matrix protein
E6ZJH8.1	F-box/LRR-repeat protein 15
B0UXS1.1	FAD-dependent oxidoreductase domain-containing protein 2
Q6EWH2.2	Tyrosine-protein kinase fyn
F1RDG9.1	Tyrosine-protein kinase fynb
Q5SNX7.1	Galactocerebrosidase
Q6P963.2	Hydroxyacylglutathione hydrolase, mitochondrial
A0JPE9.1	Putative glycerol kinase 5
O42329.2	Gonadotropin-releasing hormone II receptor
P43306.1	Progonadoliberin-2
P50593.1	Glypican-1
F1QCC6.1	Glypican-1: RecName: Full
Q9PW88.1	G-protein coupled receptor family C group 6 member A
P18266.1	Glycogen synthase kinase-3 beta
Q568B7.2	Glycosyltransferase-like domain-containing protein 1
Q800H9.2	Heparan-sulfate 6-O-sulfotransferase 2
F8W2M1.2	E3 ubiquitin-protein ligase HACE1
P82316.1	Hemoglobin cathodic subunit beta
Q6NYI0.1	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein
Q8AXV5.2	Hairy/enhancer-of-split related with YRPW motif-like protein
Q90W33.1	Hypermethylated in cancer 2 protein
P59723.2	Hypoxia-inducible factor 1-alpha inhibitor
Q06S87.1	5-hydroxyisourate hydrolase
Q504H8.1	Homeobox protein HMX3
A1LIN5.2	Hepatocyte nuclear factor 1-beta-A
Q56A36.1	Hematopoietic SH2 domain-containing protein homolog
E1C2P3.1	Heat shock 70 kDa protein 14
Q8AWZ2.1	Homeobox protein Hox-A3a
Q9PWD3.1	Homeobox protein Hox-A5
Q9YGT5.3	Homeobox protein Hox-A9b
Q9PWM2.2	Homeobox protein Hox-B9a
P28174.1	Homeobox protein Hox-C3a
O42503.1	Homeobox protein Hox-C8a
B3F211.1	Insulin-like growth factor-binding protein 2-B
Q5RHH4.1	Intraflagellar transport protein 172 homolog
B5XBI1.1	Intraflagellar transport protein 43 homolog A
Q4G3H4.1	Inhibitor of nuclear factor kappa-B kinase subunit alpha
Q6DBW0.1	Zinc finger protein Pegasus
F6S675.1	Inosine-5'-monophosphate dehydrogenase 1
B0UXP9.1	Inosine-5'-monophosphate dehydrogenase 2
E7FCN8.1	Protein intumed
Q4JL91.3	Inositol-pentakisphosphate 2-kinase
B6ZK76.1	Interleukin-1 receptor accessory protein-like 1-A
P53408.1	Insulin gene enhancer protein ISL-2A
B5X0W9.1	Isochorismatase domain-containing protein 1
A0JPF9.2	Isoprenoid synthase domain-containing protein
Q7ZU91.2	Inositol-tetrakisphosphate 1-kinase
Q09178.1	Tyrosine-protein kinase JAK1
Q6PFM0.2	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6
Q1RMB5.2	Uncharacterized protein KIAA1644 homolog
Q7ZTS4.2	Keratin, type I cytoskeletal 18
Q1L8L9.1	Adenylate kinase 2, mitochondrial
Q7T3E5.2	Kynurenine--oxoglutarate transaminase 3
A8WE67.1	KIF1-binding protein homolog
Q9PTM5.1	Voltage-gated potassium channel subunit beta-2
Q6IQX0.2	Lysine-specific demethylase 5B-B
Q7T163.2	Kinase D-interacting substrate of 220 kDa
P0CF52.1	Lysine-specific demethylase 7B
Q5U374.2	Kelch-like protein 12
Q5RGB8.1	Kelch-like protein 26
E7F6F9.1	Kelch-like protein 3
Q501V0.2	Serine/threonine-protein kinase H1 homolog
FIREV3.1	Krev interaction trapped protein 1
Q90478.1	Neural cell adhesion molecule L1.1
AAL34309.1	49498_1 glutamate receptor subunit 1B
Q5TYS0.1	Lactation elevated protein 1 homolog B
Q9W7K5.3	L-lactate dehydrogenase A chain
Q9PVK4.4	L-lactate dehydrogenase B-A chain

Q1LY46.2	LETM1 and EF-hand domain-containing protein 1, mitochondrial
Q6PHG4.1	Lipoyl synthase, mitochondrial
F1QQC3.1	Lysyl oxidase homolog 2A
Q7SXW3.1	Leucine-rich repeat-containing protein 40
B0R160.1	Leucine-rich repeat and WD repeat-containing protein 1
B5X7X4.1	Ragulator complex protein LAMTOR2
Q25060.1	LWamide neuropeptides
Q7LZR3.1	Lysozyme g
Q5BJJ6.1	Methionine adenosyltransferase 2 subunit beta
F1QH17.2	Protein-methionine sulfoxide oxidase mical3a
F1QWK4.2	Protein-methionine sulfoxide oxidase mical3b
A0JME2.2	Activating transcription factor 7-interacting protein 1
F1QDI9.2	DNA helicase MCM9
Q803A6.2	Mini-chromosome maintenance complex-binding protein
Q6DRL8.1	Mediator of RNA polymerase II transcription subunit 19-B
O42354.1	E3 ubiquitin-protein ligase Mdm2
Q7ZUW7.2	Protein Mdm4
Q5RIW8.2	Mediator of RNA polymerase II transcription subunit 23
Q2PW47.2	Mediator of RNA polymerase II transcription subunit 24
Q90YL3.2	Mediator of RNA polymerase II transcription subunit 26
F1QGZ6.1	Maternal embryonic leucine zipper kinase
A2BID5.1	Ventricular zone-expressed PH domain-containing protein
A1L243.2	LDLR chaperone MESD
Q501S4.2	Methyltransferase-like protein 12, mitochondrial
Q503U3.1	Mitochondrial fission factor homolog A
O42376.1	Mitogen-activated protein kinase 12
Q90336.1	Mitogen-activated protein kinase 14A
Q91958.1	Mitogen-activated protein kinase 14B
E7FBU4.1	MMS19 nucleotide excision repair protein homolog
A2VD33.2	Molybdenum cofactor sulfurase
Q5TZ24.2	DBH-like monooxygenase protein 1 homolog
Q90321.1	Dual specificity mitogen-activated protein kinase kinase 2
Q8JHF4.2	MAGUK p55 subfamily member 5-A
Q7ZVH1.2	Membrane progesterin receptor gamma-A
Q90456.2	Melatonin receptor type 1B-A
F1RCE7.1	Mitochondrial fission regulator 1
A0JMF6.1	Myotubularin-related protein 10
P23735.1	Ig mu chain C region membrane-bound form
Q9DGM7.2	Major vault protein
P50541.1	Max-interacting protein 1
Q6TEM9.2	E3 ubiquitin-protein ligase MYLIP-A
Q25413.1	Myomodulin neuropeptides
Q1LVK9.3	NEDD4-binding protein 1
A2RRV9.1	Cytosolic Fe-S cluster assembly factor narfl
Q0P487.2	NADH-cytochrome b5 reductase 2
E7FAW3.1	Neurobeachin-like protein 2
Q5I2W8.2	Nibrin
C1BY64.1	Nuclear cap-binding protein subunit 2
Q6NYU3.1	Neurogenic differentiation factor 6-A
Q9W6C7.3	Neurogenic differentiation factor 6-B
A7YT82.2	Glycylpeptide N-tetradecanoyltransferase 2
F1Q575.1	ATP-dependent (S)-NAD(P)H-hydrate dehydratase
Q6NYR8.1	N-acetylneuraminatase lyase
A1XQX1.1	Neurexin-1a-beta
A1XQX8.1	Neurexin-3a
Q90X44.2	Nuclear respiratory factor 1
Q8QFX6.1	Neuropilin-1a
B8JM82.2	Alpha N-terminal protein methyltransferase 1B
Q6P298.2	Cytosolic Fe-S cluster assembly factor nubp1
Q6NYD7.1	OCIA domain-containing protein 1
E9QBI7.1	Metalloendopeptidase OMA1, mitochondrial
O93248.1	Dynamin-like 120 kDa protein, mitochondrial
Q2KNE5.3	Melanopsin-A
P41590.1	Rhodopsin
P51474.1	Green-sensitive opsin-3
Q7T3Q7.1	Opsin-VA
Q6DGH9.1	Homeobox protein orthopedia B
Q91994.1	Homeobox protein OTX1 B
Q90WD8.1	Ovochymase-2
A1L1M4.2	Serine/threonine-protein phosphatase 4 regulatory subunit 2-B
P14270.4	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
Q32PP3.1	Serine/threonine-protein kinase pdik11
Q66HY8.1	Pyridoxal-dependent decarboxylase domain-containing protein 1
Q6NWE1.2	PHD finger protein 10
Q6P949.3	Lysine-specific demethylase phf2
P34205.1	Deoxyribodipyrimidine photo-lyase
F1QIC4.2	Phosphatase and actin regulator 4A
A7MBL8.1	Serine/threonine-protein kinase N2
Q7ZVS3.2	Serine/threonine-protein kinase PLK4

B0S5N4.2	Plexin A3
Q6P3H4.2	Nicotinate phosphoribosyltransferase
P31792.1	Pol polyprotein
Q5TZ07.1	Presqualene diphosphate phosphatase
A2BID7.2	PR domain zinc finger protein 10
Q2EY13.1	Protogenin B
F1QGH9.1	26S proteasome non-ATPase regulatory subunit 11B
B3DK56.1	Receptor-type tyrosine-protein phosphatase U
Q6IQE0.2	Poly(U)-binding-splicing factor PUF60-B
Q58EG3.2	Poliovirus receptor-related protein 3-like
Q32NN2.2	Protein quaking-A
Q6TEN1.1	Ras-related protein Rap-1b
A5WW21.1	Ras and EF-hand domain-containing protein
Q6IQ97.1	RNA-binding protein 4.1
Q08BH5.1	Probable RNA-binding protein 46
Q7T2D1.2	Retinol dehydrogenase 10-B
B0UXH6.1	Ras-specific guanine nucleotide-releasing factor RalGPS1
Q18PF5.1	Ammonium transporter Rh type C 1
Q6ZM89.2	Rho GTPase-activating protein 42
Q6TNR1.1	Rhopilin-2
Q1LWG3.1	39S ribosomal protein L36, mitochondrial
E7FAP1.1	E3 ubiquitin-protein ligase RNF169
A5HAK0.2	Ribonuclease-like 3
B0UYH6.1	Putative RNA polymerase II subunit B1 CTD phosphatase rpap2
A0JMI9.2	Ribosome-releasing factor 2, mitochondrial
P79891.1	40S ribosomal protein S3
Q5R328.2	R-spondin-3
Q7T3C7.2	Reticulon-4-interacting protein 1 homolog, mitochondrial
P0C928.1	Regulator of telomere elongation helicase 1
Q9I9D5.1	Retinal homeobox protein Rx1
Q1JQ66.1	Solute carrier family 35 member E3
P59889.1	Zinc transporter ZIP1
Q8AW42.1	Zinc transporter ZIP13
Q9I9R3.2	Solute carrier family 40 member 1
B0S5Y3.1	Solute carrier family 52, riboflavin transporter, member 3-A
A4VCH0.2	Phosphatidylinositol phosphatase SAC1-B
Q7SXG4.2	SUMO-activating enzyme subunit 2
Q502K2.2	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1
A3KQQ9.1	Secretogranin-3
Q5G872.1	Signal peptide, CUB and EGF-like domain-containing protein 2
Q6NV26.1	Protein SDA1 homolog
B8JK76.2	Serologically defined colon cancer antigen 8 homolog
Q8JJ26.2	Homeobox protein SEBOX
C1BK83.1	Nucleoporin sehl
A2BGU8.1	Neuronal-specific septin-3
A2BGU9.1	Serine hydrolase-like protein
Q1LVQ2.1	SH3 domain-binding protein 4-A
Q8AXQ3.1	SH3 domain-binding protein 4
Q2I6J1.2	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A
Q701R2.1	Beta-galactoside alpha-2,6-sialyltransferase 2
Q58EL7.2	Spindle and kinetochore-associated protein 3
Q9W7E7.1	Mothers against decapentaplegic homolog 5
P0C8S0.1	Small membrane A-kinase anchor protein
B0R061.1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1A
E7F1C4.1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1B
P01172.1	Somatostatin-2
Q7ZT42.1	Staphylococcal nuclease domain-containing protein 1
Q6NW58.2	Spastin
Q1LYG0.2	SH3 and PX domain-containing protein 2A
Q5TYV4.1	Spermatogenesis-defective protein 39 homolog
Q7ZU13.1	Protein spinster homolog 1
A0JMG1.2	Speckle-type POZ protein-like B
Q9DDT5.1	Transcription elongation factor SPT5
B0S6J3.1	SLIT-ROBO Rho GTPase-activating protein 2
P0CB65.1	Serine/arginine repetitive matrix protein 4
Q7ZW47.2	Double-stranded RNA-binding protein Staufin homolog 2
Q08BR4.2	Histone-lysine N-methyltransferase SETDB1-B
Q8JGS1.2	SCL-interrupting locus protein homolog
B8JKF4.1	CST complex subunit STN1
Q5U3H2.2	Histone-lysine N-methyltransferase SUV420H1
Q5EB14.2	Sugar transporter SWEET1
Q9DDD7.1	Transcription factor Sox-19b
P07178.1	Histidine--tRNA ligase, cytoplasmic
P49696.1	Valine--tRNA ligase
Q803I8.2	E3 ubiquitin-protein ligase synoviolin
Q6TGS6.2	Tyrosine--tRNA ligase, cytoplasmic
Q1LWC2.1	Transmembrane protein 106B
Q0V947.2	Transmembrane protein 161A
F1Q930.1	Transmembrane protein 237A

Q5RFW2.1 TGF-beta-activated kinase 1 and MAP3K7-binding protein 2
 FIR3W0.1 TATA box-binding protein-associated factor RNA polymerase I subunit B
 Q32PW3.2 Transcription initiation factor TFIID subunit 2
 Q6P0T2.1 Transcription initiation factor TFIID subunit 8
 Q5U385.1 TATA box-binding protein-like protein 1
 Q1JYP4.1 TATA box-binding protein-like protein 2
 Q7ZTU9.4 T-box transcription factor TBX2b
 Q9I9K7.1 T-box transcription factor TBX20
 Q8JIS6.2 T-box transcription factor TBX6
 P35072.1 Transposable element Tcb1 transposase
 Q04202.1 Transposable element Tcb2 transposase
 Q58EK5.2 Tudor domain-containing protein 1
 Q7T006.2 Telomere length regulation protein TEL2 homolog
 Q803M3.2 Testis-expressed sequence 10 protein homolog
 Q9PTQ2.1 Transforming growth factor beta-1
 P52181.1 Protein-glutamine gamma-glutamyltransferase 2
 A5PF62.1 Protein THEMIS
 B3DH20.1 Protein tilB homolog
 Q7T2P6.1 Mitochondrial import inner membrane translocase subunit Tim23
 P25421.2 Protachykinin
 Q1LWV7.1 TLD domain-containing protein 1
 E7EYQ9.1 Transmembrane protein 216
 Q7F316.2 Transmembrane protein 231
 Q6NWH5.1 Transmembrane protein 11, mitochondrial
 Q7ZV43.1 Toll-interacting protein
 Q1RLX4.1 Trafficking protein particle complex subunit 11
 Q1MTI4.1 Triosephosphate isomerase A
 Q90XG0.1 Triosephosphate isomerase B
 A6NAF9.2 Tudor domain-containing protein 7A
 E7FDW8.2 Tudor domain-containing protein 7B
 Q6E2N3.1 E3 ubiquitin-protein ligase TRIM33
 Q1LUA6.1 Triple functional domain protein
 F1RCR6.1 E3 ubiquitin-protein ligase TRIP12
 Q3KRG3.1 Pre-rRNA-processing protein TSR2 homolog
 Q1LXE6.1 Tetratricopeptide repeat protein 39C
 A4QP73.2 Tetratricopeptide repeat protein 19, mitochondrial
 Q8AYG3.2 Dual specificity protein kinase Ttk
 Q90419.1 Tiggy-winkle hedgehog protein
 Q1LWB0.2 Tax1-binding protein 1 homolog A
 Q6P132.3 Tax1-binding protein 1 homolog B
 C1BHN7.1 Ubiquitin-like protein 4A-B
 F6Z5C0.2 Ubiquitin carboxyl-terminal hydrolase 15
 A5PN09.1 Ubiquitin carboxyl-terminal hydrolase 20
 A5PMR2.1 Ubiquitin carboxyl-terminal hydrolase 33
 E7F6T8.1 Ubiquitin carboxyl-terminal hydrolase 37
 P70398.2 Probable ubiquitin carboxyl-terminal hydrolase FAF-X
 P04560.1 Prepro-urotensin II-alpha
 Q5GIT4.2 Vascular endothelial growth factor receptor 2
 Q90308.1 Vasoactive intestinal polypeptide receptor
 A4IG59.2 WAS protein family homolog 1
 Q6NX08.1 Ribosome biogenesis protein wdr12
 Q6TEN6.2 WD repeat-containing protein 91
 P51028.2 Protein Wnt-8a
 Q1L8W0.1 Zinc finger and BTB domain-containing protein 18
 Q5TYQ8.1 Zinc finger CCCH domain-containing protein 14
 Q6PCR6.2 Zinc finger RNA-binding protein
 Q1LYE3.2 Zinc finger protein 143
 Q6UFS5.1 Zinc finger protein 503
 P0C7X5.1 Zinc finger protein 806
 1B5M at Outer Mitochondrial Membrane Cytochrome B5
 1BR2 mooth Muscle Myosin Motor Domain Complexed With Mgadp.Alf4
 1CXZ rystal Structure Of Human Rhoa Complexed With The Effector Domain Of The Protein Kinase PknPRK1
 1EGX hain ? , Solution Structure Of The Ena-Vasp Homology 1 (Evh1) Domain Of Human Vasodilator-Stimulated Phosphoprotein (Vasp)
 1EJ1 Cocystal Structure Of The Messenger Rna 5' Cap-Binding Protein (Eif4e) Bound To 7-Methyl-Gdp
 1GWN he Crystal Structure Of The Core Domain Of RhoerND3 - A Constitutively Activated Small G Protein
 1HL3 hain ? , CtpbBARS IN TERNARY COMPLEX WITH NAD(H) AND PIDLSKK PEPTIDE
 1J19 hain ? , Crystal Structure Of The Radxin Ferm Domain Complexed With The Icam-2 Cytoplasmic Peptide
 1MR1 hain ? , Crystal Structure Of A Smad4-Ski Complex
 1O91 hain ? , Crystal Structure Of A Collagen Viii Nc1 Domain Trimer
 1OE9 hain ? , Crystal Structure Of Myosin V Motor With Essential Light Chain - Nucleotide-Free
 1Q30 hain ? , Crystal Structure Of The Shank Pdz-ligand Complex Reveals A Class I Pdz Interaction And A Novel Pdz-pdz Dimerization
 1U5Q hain ? , Crystal Structure Of The Tao2 Kinase Domain: Activation And Specificity Of A Ste20p Map3k
 1V6A hain ? , Crystal Structure Of L-Lactate Dehydrogenase From Cyprinus Carpio
 1WG6 hain A, Solution Structure Of Pdz Domain In Protein Xp_110852
 1Z31 hain X, Structure Of The Swi2SNF2 CHROMATIN REMODELING DOMAIN OF EUKARYOTIC Rad54
 1ZSX hain A, Crystal Structure Of Human Potassium Channel Kv Beta-Subunit (Kcnab2)
 2CL3 hain A, Crystal Structure Of Human Cleavage And Polyadenylation Specificity Factor 5 (Cps5)
 2F57 hain B, Crystal Structure Of The Human P21-activated Kinase 5

2GCD hain B, Tao2 Kinase Domain-Staurosporine Structure
2GCO hain B, Crystal Structure Of The Human Rhoc-gppnhp Complex
2I38 hain A, Solution Structure Of The Rrm Of Srp20
2I3E hain A, Solution Structure Of Catalytic Domain Of Goldfish Rich Protein
2J0J hain A, Crystal Structure Of A Fragment Of Focal Adhesion Kinase Containing The Ferm And Kinase Domains.
2LEA hain A, Solution Structure Of Human Srsf2 (Sc35) Rrm
2O3C hain C, Crystal Structure Of Zebrafish Ape
2V7O hain A, Crystal Structure Of Human Calcium-Calmodulin-Dependent Protein Kinase Ii Gamma
2WD5 hain B, Smc Hinge Heterodimer
2WJV hain ? , Crystal Structure Of The Complex Between Human Nonsense Mediated Decay Factors Upf1 And Upf2
3CC0 hain ? , The Dvl2 PdZ Domain In Complex With The N3 Inhibitory Peptide
3CQU hain ? , Crystal Structure Of Akt-1 Complexed With Substrate Peptide And Inhibitor
3EH1 hain A, Crystal Structure Of The Human Copii-Coat Protein Sec24b
3EH2 hain C, Crystal Structure Of The Human Copii-Coat Protein Sec24c
3F5F hain A, Crystal Structure Of Heparan Sulfate 2-O-Sulfotransferase From Gallus Gallus As A Maltose Binding Protein Fusion.
3FXZ hain A, Crystal Structure Of Pak1 Kinase Domain With Ruthenium Complex Lambda-F172
3LJE hain A, The X-Ray Structure Of Zebrafish Rnase5
3MLP hain ? , Early B-Cell Factor 1 (Ebf1) Bound To Dna
3QI3 hain ? , The Structure Of The Ca2+-Binding, Glycosylated F-Spondin Domain Of F- Spondin, A C2-Domain Variant From Extracellular Matrix
3QA8 hain ? , Crystal Structure Of Inhibitor Of Kappa B Kinase Beta
3QCW hain B, Structure Of Neurexin 1 Alpha (Domains Lns1-Lns6), No Splice Inserts
3TAC hain ? , Crystal Structure Of The Liprin-AlphaCASK COMPLEX
3TZM hain A, Tgf-Beta Receptor Type 1 In Complex With Sb431542
4ACJ hain A, Crystal Structure Of The Tide Domain Of Oxidation Resistance Protein 2 From Zebrafish
4DDG hain ? , Crystal Structure Of Human Otub1UBCH5B-UBUB
4DRZ hain A, Crystal Structure Of Human Rab14
4I5I hain ? , Crystal Structure Of The Sirt1 Catalytic Domain Bound To Nad And An Ex527 Analog
AGC24229.1 lipoprotein lipase, partial
CAM56361.1 novel protein similar to vertebrate calpain 1 (CAPN1)
EFW43107.1 tyrosine-protein kinase Src42A
EFW43510.1 cAMP-dependent protein kinase
NP_001038707.2 CAS1 domain-containing protein 1 precursor
NP_001070718.1 uncharacterized protein LOC562009 precursor
NP_001129718.1 uncharacterized protein LOC100192209
NP_571021.2 protein Wnt-8a precursor
NP_955859.1 SAP30-binding protein
NP_956106.1 uncharacterized protein LOC327494
NP_997733.1 serine/threonine-protein phosphatase 1 regulatory subunit 10
P61460.1 DEP domain-containing protein 5
XP_001232753.2 poly (ADP-ribose) polymerase 6
XP_001233726.2 homeobox protein Mohawk
XP_001233827.1 echinoderm microtubule associated protein like 4
XP_001235061.2 protein FAM194A
XP_001235128.2 uncharacterized protein LOC771917
XP_001235255.2 potassium voltage-gated channel subfamily C member 2
XP_001331201.2 inter-alpha-trypsin inhibitor heavy chain H5
XP_001332542.4 zinc finger CCHC domain-containing protein 7
XP_001332835.4 trinucleotide repeat-containing gene 6B protein-like
XP_001332986.4 hypothetical protein LOC793259
XP_001333003.2 PHD finger protein 21A, partial
XP_001333219.1 hypothetical protein LOC793455
XP_001333387.2 galactosylceramide sulfotransferase-like
XP_001333481.4 sharpin-like
XP_001333514.4 voltage-dependent L-type calcium channel subunit alpha-1F-like
XP_001333833.4 transportin-2-like, partial
XP_001333836.4 rap guanine nucleotide exchange factor 2
XP_001334053.2 NHS-like protein 2-like
XP_001334098.3 hypothetical protein LOC794185
XP_001334120.3 macrophage mannose receptor 1-like protein 1-like
XP_001334225.1 probable ubiquitin carboxyl-terminal hydrolase 46-like
XP_001334237.4 proprotein convertase subtilisin/kexin type 6-like, partial
XP_001334379.3 inositol 1,4,5-triphosphate receptor-interacting protein
XP_001334673.4 tyrosine-protein kinase receptor Tie-1
XP_001334793.2 hypothetical protein LOC794766
XP_001335269.4 protein FAM190A
XP_001335345.3 proSAP-interacting protein 1-like
XP_001335441.3 RING finger protein 37
XP_001335525.4 hypothetical protein LOC795364, partial
XP_001335682.3 hypothetical protein LOC795494
XP_001335694.3 gamma-crystallin B
XP_001335967.1 regulator of differentiation 1
XP_001336604.1 hypothetical protein LOC796293
XP_001336673.2 putative tyrosine-protein phosphatase auxilin
XP_001336777.2 DNA helicase B
XP_001336831.3 hypothetical protein LOC796490
XP_001336923.2 serine/arginine repetitive matrix protein 4
XP_001337045.3 atrial natriuretic peptide receptor 1
XP_001337167.3 myosin-Ih

XP_001337289.1 hypothetical protein LOC796880
 XP_001337519.2 epididymis-specific alpha-mannosidase-like
 XP_001337638.3 c-X-C chemokine receptor type 1-like
 XP_001337643.4 IQ motif and SEC7 domain-containing protein 2
 XP_001337665.2 hypothetical protein LOC100006645
 XP_001337708.4 hypothetical protein LOC797252
 XP_001337715.4 GRB2-associated-binding protein 3
 XP_001337764.2 zinc finger and BTB domain-containing protein 5-like
 XP_001337899.1 tyrosine-protein kinase ABL1-like isoform 2
 XP_001337938.4 MKL/myocardin-like protein 1-like
 XP_001337949.2 integrin beta-7-like
 XP_001338079.3 otopetrin-2
 XP_001338083.3 hypothetical protein LOC797613
 XP_001338088.2 tumor necrosis factor receptor superfamily member 14-like
 XP_001338149.3 protein FAM69A-like, partial
 XP_001338177.3 hypothetical protein LOC797711
 XP_001338502.1 probable S-acyltransferase At2g14255-like
 XP_001338503.2 MLX-interacting protein
 XP_001338578.2 hypothetical protein LOC798124
 XP_001338711.4 thioredoxin reductase 2, mitochondrial, partial
 XP_001338767.4 hypothetical protein LOC798310
 XP_001338820.1 norrin-like
 XP_001338924.2 hypothetical protein LOC798483
 XP_001338937.1 uncharacterized protein C4orf44 homolog
 XP_001338938.1 alpha-1A adrenergic receptor-like
 XP_001339505.3 hypothetical protein LOC799116
 XP_001339579.1 tetraspanin-10-like
 XP_001339641.3 UNC93-like protein MFS11-like
 XP_001339650.4 kinesin heavy chain isoform 5A-like
 XP_001339765.4 pikachurin
 XP_001339829.4 probable G-protein coupled receptor 97-like
 XP_001340227.3 FK506-binding protein 15
 XP_001340234.1 transmembrane prolyl 4-hydroxylase-like
 XP_001340263.3 zinc finger protein 192-like
 XP_001340298.4 semaphorin-5B-like
 XP_001340422.4 transmembrane protease serine 3
 XP_001340864.1 hypothetical protein LOC100005485
 XP_001340891.4 hypothetical protein LOC10000748
 XP_001341200.3 coiled-coil domain-containing protein 17-like
 XP_001341532.1 octopamine receptor beta-3R
 XP_001341627.3 sedoheptulokinase
 XP_001341690.3 sushi, nidogen and EGF-like domains 1
 XP_001341794.4 protein Wiz-like
 XP_001341839.3 protein FAM123C-like
 XP_001342000.3 hypothetical protein LOC100002145
 XP_001342009.1 ras GTPase-activating protein 1
 XP_001342436.4 uncharacterized protein C9orf84-like
 XP_001342589.3 hypothetical protein LOC100002920
 XP_001342593.2 hypothetical protein LOC100002924
 XP_001342681.4 putative GTP-binding protein Parf
 XP_001342850.2 zinc finger protein 177-like
 XP_001343077.1 SAM pointed domain-containing Ets transcription factor-like
 XP_001343205.2 hypothetical protein LOC100003721
 XP_001343371.3 A disintegrin and metalloproteinase with thrombospondin motifs 12-like
 XP_001343511.3 protocadherin-9, partial
 XP_001343514.1 probable G-protein coupled receptor 1-like
 XP_001343614.4 hypothetical protein LOC100004265
 XP_001343927.2 hypothetical protein LOC100004683
 XP_001344452.3 GREB1-like protein
 XP_001344560.4 ephrin type-A receptor 6
 XP_001344909.2 hypothetical protein LOC100006029
 XP_001344916.4 Kruppel-like factor 5-like
 XP_001345099.4 glutaminase kidney isoform, mitochondrial
 XP_001345204.3 WD repeat-containing protein 65-like
 XP_001345218.3 MYCBP-associated protein
 XP_001345387.4 double C2-like domains, beta
 XP_001345419.3 ankyrin repeat domain-containing protein 55
 XP_001345711.4 cadherin-11
 XP_001345897.2 zinc finger protein 644
 XP_001345910.3 alpha-ketoglutarate-dependent dioxygenase FTO
 XP_001345921.4 coiled-coil domain-containing protein 41-like
 XP_001346020.4 septin-2
 XP_001346047.4 hypothetical protein LOC100007639
 XP_001346075.2 hypothetical protein LOC100007681
 XP_001918641.3 coiled-coil domain-containing protein 13
 XP_001918968.2 rho GTPase-activating protein 21-B
 XP_001918978.1 hypothetical protein LOC100148594
 XP_001918979.3 sperm-specific antigen 2 homolog
 XP_001919066.1 A disintegrin and metalloproteinase with thrombospondin motifs 18

XP_001919086.3 DENN domain-containing protein 2C
XP_001919097.3 protein MICAL-2, partial
XP_001919226.3 complement C5
XP_001919236.3 centriolin-like
XP_001919284.3 MTSS1-like protein-like
XP_001919288.1 regulatory-associated protein of mTOR isoform 1
XP_001919316.2 high choriolytic enzyme 1-like
XP_001919347.3 putative methyltransferase NSUN6-like
XP_001919393.3 voltage-dependent R-type calcium channel subunit alpha-1E
XP_001919411.2 hypothetical protein LOC100002220
XP_001919544.1 hypothetical protein LOC100149667
XP_001919551.3 EF-hand domain-containing family member A2
XP_001919555.3 probable ATP-dependent DNA helicase HFM1
XP_001919588.2 DNA-dependent protein kinase catalytic subunit
XP_001919593.3 myosin-XV
XP_001919629.3 e3 ubiquitin-protein ligase UBR3
XP_001919766.2 partner and localizer of BRCA2
XP_001919924.3 hypothetical protein LOC100006305
XP_001919939.3 PERQ amino acid-rich with GYF domain-containing protein 1-like
XP_001919969.3 microtubule-associated tumor suppressor 1 homolog A-like
XP_001919987.3 hypothetical protein LOC559221
XP_001920064.3 protein FAM193A, partial
XP_001920107.3 dedicator of cytokinesis protein 8
XP_001920233.2 hypothetical protein LOC560010
XP_001920265.2 nuclear factor erythroid 2-related factor 1-like
XP_001920348.3 hypothetical protein LOC567743
XP_001920404.3 hypothetical protein LOC798921
XP_001920542.2 hypothetical protein LOC556964
XP_001920543.3 ATP-dependent RNA helicase DQX1
XP_001920567.3 hypothetical protein LOC100151151
XP_001920639.3 apolipoprotein L1-like
XP_001920640.2 lipoxygenase homology domain-containing protein 1
XP_001920834.3 dipeptidyl peptidase 4
XP_001920847.3 IQ motif containing GTPase activating protein 1, partial
XP_001920878.1 hypothetical protein LOC100002713
XP_001920879.2 LOW QUALITY PROTEIN: disabled homolog 2
XP_001920894.1 neuronal acetylcholine receptor subunit alpha-9-1-like, partial
XP_001920936.3 chloride channel protein 2
XP_001920962.3 hypothetical protein LOC796198
XP_001920969.3 hypothetical protein LOC100147938
XP_001921030.3 RING finger protein 213
XP_001921099.2 BRCA1-associated RING domain protein 1
XP_001921144.1 hypothetical protein LOC799340
XP_001921162.1 nuclear factor 1 C-type
XP_001921208.1 neuropathy target esterase
XP_001921217.3 protein piccolo
XP_001921219.2 ral guanine nucleotide dissociation stimulator-like 3a
XP_001921231.1 procollagen C-endopeptidase enhancer 2-like
XP_001921235.1 hypothetical protein LOC100148190
XP_001921284.2 protocadherin-16
XP_001921292.1 macrophage-stimulating protein receptor-like
XP_001921343.3 major facilitator superfamily domain-containing protein 9
XP_001921798.3 inactive phospholipase C-like protein 1-like
XP_001921819.2 hypothetical protein LOC799619
XP_001921828.1 hypothetical protein LOC100150296
XP_001921879.2 hypothetical protein LOC327226
XP_001921896.2 hypothetical protein LOC100148510
XP_001921957.1 lysosomal alpha-glucosidase
XP_001922015.3 muscle, skeletal receptor tyrosine-protein kinase
XP_001922073.3 envoplakin, partial
XP_001922129.2 centlein
XP_001922171.1 PH and SEC7 domain-containing protein 3, partial
XP_001922233.1 lipoma HMGIC fusion partner-like 4 protein-like
XP_001922267.2 RUN domain-containing protein 3A-like
XP_001922332.2 zinc finger ZZ-type and EF-hand domain-containing protein 1
XP_001922432.1 GPI inositol-deacylase
XP_001922441.2 AP-2 complex subunit alpha-2-like isoform 2
XP_001922445.2 diacylglycerol kinase zeta
XP_001922508.3 synaptotagmin-17-like
XP_001922515.3 TOX high mobility group box family member 3
XP_001922536.3 chromodomain-helicase-DNA-binding protein 9-like
XP_001922545.3 uncharacterized protein C20orf112 homolog
XP_001922596.2 microtubule-associated serine/threonine-protein kinase 4
XP_001922665.2 serine/threonine-protein kinase TAO3-like isoform 1
XP_001922678.1 hypothetical protein LOC100148399
XP_001922702.3 zinc finger and BTB domain-containing protein 41
XP_001922708.1 e3 ubiquitin-protein ligase Arkadia-like
XP_001922712.3 cadherin EGF LAG seven-pass G-type receptor 3
XP_001922767.2 vacuolar protein sorting-associated protein 13C

XP_001922778.2 hypothetical protein LOC100000228
 XP_001922805.3 metal transporter CNNM2-like
 XP_001922831.2 thyroid receptor-interacting protein 6-like
 XP_001922898.2 storkhead-box protein 2
 XP_001922927.3 PR domain zinc finger protein 16 isoform 2
 XP_001923040.3 poliovirus receptor
 XP_001923138.2 gamma-secretase-activating protein
 XP_001923237.3 nuclear factor 7, ovary
 XP_001923413.2 si:rp71-68n21.9
 XP_001923572.3 LOW QUALITY PROTEIN: zinc finger MYM-type protein 2
 XP_001923990.1 MAP kinase-activating death domain protein isoform 3
 XP_001923992.2 phosphatidylinositol-4-phosphate 5-kinase, type I, alpha-like
 XP_001924043.2 LOW QUALITY PROTEIN: myosin-IXa
 XP_001924044.2 t-lymphoma invasion and metastasis-inducing protein 1
 XP_001924048.2 LOW QUALITY PROTEIN: serine/threonine-protein kinase MARK2
 XP_001924051.1 LOW QUALITY PROTEIN: myosin-XV
 XP_002119208.1 similar to Uncharacterized protein K02A2.6
 XP_002121713.1 similar to myosin heavy chain, partial
 XP_002122147.1 similar to cell wall proline-rich protein
 XP_002122655.1 similar to zonadhesin, partial
 XP_002123052.1 similar to Membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)
 XP_002124079.1 similar to alpha-2 IX collagen
 XP_002125638.1 similar to COS1.4, partial
 XP_002126219.1 similar to dynein, axonemal, heavy chain 2
 XP_002127663.1 similar to predicted protein
 XP_002130898.1 similar to mitogen-activated protein kinase kinase kinase kinase 4
 XP_002153990.1 similar to C33G8.2
 XP_002154078.1 similar to GF20795
 XP_002154100.1 similar to DNA mismatch repair protein MSH2, partial
 XP_002154140.1 similar to calcium channel, voltage-dependent, alpha2/delta subunit 1
 XP_002154186.1 similar to conserved hypothetical protein
 XP_002154330.1 similar to predicted protein, partial
 XP_002155016.1 similar to transposase-like
 XP_002155235.1 similar to transposase-like, partial
 XP_002155280.1 similar to low density lipoprotein receptor-related protein 6, partial
 XP_002156494.1 similar to Y42G9A.4a
 XP_002156924.1 similar to zinc finger protein Gli2
 XP_002157159.1 similar to Neuroblastoma-amplified gene protein, partial
 XP_002157211.1 similar to transposase (putative)
 XP_002157404.1 similar to zinc finger, MYM domain containing 1
 XP_002157459.1 similar to copia-type polyprotein, putative
 XP_002158140.1 similar to SJCHGC09533 protein
 XP_002158976.1 similar to hCG32740
 XP_002159150.1 similar to Tc1-like transposase
 XP_002160127.1 similar to GI20863
 XP_002160419.1 similar to reverse transcriptase-like protein
 XP_002161149.1 similar to Receptor-type tyrosine-protein phosphatase kappa
 XP_002161415.1 similar to proline-rich protein
 XP_002162448.1 similar to transposase homolog
 XP_002162994.1 similar to GF20795, partial
 XP_002164402.1 similar to zinc finger protein
 XP_002165847.1 similar to conserved hypothetical protein, partial
 XP_002166215.1 similar to copia-type polyprotein, putative, partial
 XP_002166584.1 similar to harbinger transposase derived 1
 XP_002166794.1 similar to protein-tyrosine phosphatase CRYPalph1
 XP_002168437.1 similar to GG25361, partial
 XP_002168451.1 similar to brix domain containing 5
 XP_002168771.1 similar to zinc finger, H2C2 domain containing, partial
 XP_002168777.1 similar to tyrosine kinase receptor, partial
 XP_002168999.1 similar to protein kinase, DNA activated, catalytic polypeptide
 XP_002169404.1 similar to Tcb2
 XP_002170731.1 similar to hCG32740, partial
 XP_002186706.1 similar to thioredoxin domain containing 10
 XP_002186911.1 similar to brain-specific angiogenesis inhibitor 1
 XP_002186947.1 similar to centrosomal protein 2
 XP_002186969.1 similar to LOC779495 protein
 XP_002187041.1 protein phosphatase 1, catalytic subunit, beta isoform
 XP_002187174.1 histidine acid phosphatase domain containing 1
 XP_002187303.1 protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1
 XP_002187328.1 similar to Adhesive plaque matrix protein, partial
 XP_002187391.1 similar to TEF-1 gamma
 XP_002187453.1 similar to Rab geranylgeranyltransferase, beta subunit
 XP_002187570.1 receptor accessory protein 3
 XP_002187595.1 copine VIII
 XP_002187667.1 thrombospondin 4
 XP_002187894.1 ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2
 XP_002187924.1 similar to C22orf9 protein
 XP_002188036.1 ankyrin repeat domain 13C
 XP_002188037.1 similar to KIAA0669 protein

XP_002188137.1 quaking homolog, KH domain RNA binding
 XP_002188213.1 SLIT-ROBO Rho GTPase activating protein 1
 XP_002188500.1 similar to Snx17 protein
 XP_002188507.1 basic leucine zipper and W2 domains 2, partial
 XP_002188623.1 similar to ADAM metallopeptidase with thrombospondin type 1 motif, 19
 XP_002188773.1 similar to Pol polyprotein
 XP_002188870.1 similar to hCG2036582
 XP_002189018.1 similar to receptor-interacting serine-threonine kinase 2
 XP_002189021.1 similar to Long-chain-fatty-acid--CoA ligase 6 (Long-chain acyl-CoA synthetase 6) (LACS 6)
 XP_002189196.1 poly (ADP-ribose) polymerase family, member 14
 XP_002189248.1 sulfatase 2 isoform 2
 XP_002189335.1 similar to deleted in malignant brain tumors 1
 XP_002189346.1 gamma-aminobutyric acid (GABA) A receptor, gamma 2
 XP_002189513.1 similar to catenin (cadherin-associated protein), alpha-like 1
 XP_002189691.1 similar to hepatitis B virus x associated protein
 XP_002189855.1 similar to protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform
 XP_002190072.1 programmed cell death 6
 XP_002190144.1 ecotropic viral integration site 5
 XP_002190258.1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O isoform 3
 XP_002190297.1 ORAI calcium release-activated calcium modulator 1
 XP_002190315.1 similar to Dedicator of cytokinesis 1
 XP_002190384.1 similar to myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3
 XP_002190413.1 similar to selectin L
 XP_002190414.1 similar to RUN and SH3 domain containing 2
 XP_002190510.1 similar to calcium/calmodulin-dependent serine protein kinase (MAGUK family)
 XP_002190820.1 ADAMTS-like 1
 XP_002190836.1 similar to protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform
 XP_002190982.1 similar to KIAA1768, partial
 XP_002191008.1 similar to zyg12
 XP_002191033.1 splicing factor 3b, subunit 4, 49kDa
 XP_002191039.1 G protein-coupled receptor 123
 XP_002191068.1 striatin, calmodulin binding protein
 XP_002191196.1 prostaglandin F2 receptor negative regulator
 XP_002191460.1 similar to unc-84 homolog A (C. elegans)
 XP_002191623.1 latent transforming growth factor beta binding protein 1
 XP_002191933.1 nuclear distribution gene C homolog
 XP_002192043.1 similar to adenylate cyclase 1, partial
 XP_002192120.1 similar to deleted in liver cancer 1
 XP_002192169.1 similar to fibulin 2
 XP_002192188.1 transmembrane anterior posterior transformation 1
 XP_002192216.1 similar to spacemaker
 XP_002192425.1 LIM and senescent cell antigen-like domains 1
 XP_002192480.1 GRIP and coiled-coil domain containing 2
 XP_002192618.1 similar to hCG2039627
 XP_002192650.1 5-hydroxytryptamine (serotonin) receptor 4
 XP_002192685.1 calcium channel, voltage-dependent, L type, alpha 1D subunit
 XP_002192748.1 similar to type IV alpha 6 collagen
 XP_002192770.1 ryanodine receptor 2 (cardiac)
 XP_002192776.1 synaptotagmin IX
 XP_002192891.1 similar to type XXVI collagen
 XP_002193041.1 similar to transcription factor 25 (basic helix-loop-helix)
 XP_002193095.1 metastasis associated 1 family, member 3
 XP_002193183.1 similar to Tetratricopeptide repeat domain 39A
 XP_002193235.1 similar to myosin IXA
 XP_002193242.1 solute carrier family 37 (glycerol-3-phosphate transporter), member 2
 XP_002193361.1 similar to MGC68650 protein
 XP_002193370.1 similar to hCG1657150
 XP_002193405.1 adenylate cyclase activating polypeptide 1 (pituitary) receptor type I
 XP_002193548.1 similar to cyclin M2
 XP_002193590.1 nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs)
 XP_002193760.1 similar to phospholipase D1
 XP_002193887.1 transmembrane 9 superfamily member 3
 XP_002193921.1 similar to MGC81609 protein
 XP_002193929.1 similar to unc-51-like kinase 2, partial
 XP_002193989.1 similar to Serine/threonine-protein kinase DCLK1
 XP_002194204.1 similar to coiled-coil domain containing 46
 XP_002194308.1 similar to gsg1-like
 XP_002194486.1 similar to complement component 4 binding protein, alpha chain
 XP_002194530.1 TSC22 domain family, member 3
 XP_002194552.1 enabled homolog
 XP_002194616.1 GCN5 general control of amino-acid synthesis 5-like 2
 XP_002194694.1 gamma-aminobutyric acid (GABA) A receptor, beta 3
 XP_002194942.1 similar to CDC42 binding protein kinase alpha (DMPK-like)
 XP_002194974.1 similar to polypeptide N-acetylgalactosaminyltransferase 10
 XP_002195153.1 l(3)mbt-like 2
 XP_002195178.1 similar to Protein Dok-7
 XP_002195216.1 transcription factor IIB
 XP_002195273.1 armadillo repeat gene deletes in velocardiofacial syndrome
 XP_002195291.1 splicing factor, arginine/serine-rich 17A

XP_002195379.1 similar to polyprotein
 XP_002195408.1 similar to transcription factor Dp-2 (E2F dimerization partner 2)
 XP_002195592.1 similar to yippee-like 1
 XP_002195650.1 eukaryotic translation elongation factor 2
 XP_002195789.1 similar to RAN binding protein 10
 XP_002195934.1 similar to pol protein, partial
 XP_002195952.1 potassium large conductance calcium-activated channel, subfamily M, alpha member 1 isoform 3
 XP_002196019.1 magnesium transporter 1
 XP_002196058.1 axin 1
 XP_002196099.1 homer homolog 3 (Drosophila)
 XP_002196131.1 similar to Leucine-rich repeat-containing protein 16C
 XP_002196183.1 similar to Gag-Pol polyprotein
 XP_002196203.1 regulator of G-protein signalling 7
 XP_002196255.1 similar to cleavage and polyadenylation specific factor 3, 73kDa
 XP_002196263.1 vacuolar protein sorting 53
 XP_002196305.1 similar to double C2-like domains, beta
 XP_002196365.1 similar to RIKEN cDNA 6330505N24
 XP_002196738.1 similar to rCG60573
 XP_002196781.1 similar to isovaleryl Coenzyme A dehydrogenase
 XP_002197072.1 polymerase (DNA-directed), delta interacting protein 3
 XP_002197106.1 odz, odd Oz/ten-m homolog 1(Drosophila) isoform 1
 XP_002197176.1 Bardet-Biedl syndrome 9
 XP_002197430.1 similar to SLAIN motif-containing protein 1
 XP_002197821.1 similar to Usher syndrome 1C homolog (human)
 XP_002197978.1 protein tyrosine phosphatase, receptor type, J
 XP_002198016.1 similar to RAB3 GTPase-activating protein
 XP_002198035.1 similar to RAB6 interacting protein 2 isoform 2
 XP_002198100.1 Ras-related protein Rab-11A
 XP_002198145.1 solute carrier family 35, member B3
 XP_002198208.1 mucin protein
 XP_002198220.1 similar to mCG142254
 XP_002198356.1 forkhead box M1, partial
 XP_002198390.1 hephaestin-like 1
 XP_002198941.1 similar to gag-pro-pol polyprotein
 XP_002199156.1 eukaryotic translation initiation factor 3, subunit E
 XP_002199382.1 enhancer of rudimentary homolog
 XP_002199408.1 actinin, alpha 1
 XP_002199773.1 similar to KIAA0427
 XP_002199885.1 similar to ATP synthase subunit beta, mitochondrial, partial
 XP_002199976.1 similar to Pro-Pol polyprotein
 XP_002200055.1 serine palmitoyltransferase, long chain base subunit 2
 XP_002200097.1 cytoskeleton associated protein 5
 XP_002200222.1 similar to Pol polyprotein, partial
 XP_002200378.1 similar to transcription initiation factor IIIB
 XP_002200388.1 similar to mCG146312
 XP_002200416.1 AT rich interactive domain 4A (RBP1-like)
 XP_002200448.1 DDHD domain containing 1
 XP_002200465.1 similar to liver glycogen phosphorylase
 XP_0022660420.1 primary ciliary dyskinesia protein 1
 XP_0022660427.2 hypothetical protein LOC100330744
 XP_0022660455.1 heparan-alpha-glucosaminide N-acetyltransferase
 XP_0022660488.2 LOW QUALITY PROTEIN: si:key-257n17.3
 XP_0022660517.2 dynamin-binding protein
 XP_0022660539.2 hypothetical protein LOC100333395
 XP_0022660581.1 catenin delta-1-like
 XP_0022660602.2 axonal transport of synaptic vesicles-like, partial
 XP_0022660608.2 protocadherin Fat 1
 XP_0022660723.2 hypothetical protein LOC100330703
 XP_0022660725.2 hypothetical protein LOC100330916
 XP_0022660769.1 ecotropic viral integration site 5 protein homolog
 XP_0022660843.1 vasoactive intestinal polypeptide receptor
 XP_0022660902.2 protein RSM22 homolog, mitochondrial
 XP_0022660903.2 telomerase protein component 1
 XP_0022660932.1 hypothetical protein LOC100330518
 XP_0022660934.2 fibronectin type III domain-containing protein 7
 XP_0022660976.1 semaphorin-6B
 XP_0022661001.1 hypothetical protein LOC100332501
 XP_0022661011.1 c-C motif chemokine 25-like
 XP_0022661017.2 epidermal growth factor receptor substrate 15-like 1-like, partial
 XP_0022661109.2 ADP-ribosylation factor-binding protein GGA3-like
 XP_0022661144.2 ATP-binding cassette sub-family A member 3-like
 XP_0022661150.1 guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12-like
 XP_0022661165.1 LOW QUALITY PROTEIN: c-Jun-amino-terminal kinase-interacting protein 3
 XP_0022661169.1 si:ch211-210g13.5
 XP_0022661186.2 rho GTPase-activating protein 17-like
 XP_0022661202.1 sb:cb1067
 XP_0022661206.2 conserved oligomeric Golgi complex subunit 1, partial
 XP_0022661255.1 hypothetical protein LOC100332647
 XP_0022661262.1 c-type lectin domain family 7 member A-like

XP_002661267.1 hypothetical protein LOC407678
XP_002661402.2 sodium-coupled monocarboxylate transporter 1-like
XP_002661760.2 hypothetical protein LOC100330775
XP_002661971.2 citron Rho-interacting kinase-like, partial
XP_002661979.2 scavenger receptor cysteine-rich domain-containing group B protein-like
XP_002662019.2 LOW QUALITY PROTEIN: 5-hydroxytryptamine receptor 7
XP_002662029.2 probable phospholipid-transporting ATPase ID, partial
XP_002662041.1 major facilitator superfamily domain-containing protein 3
XP_002662049.2 hypothetical protein LOC100321242
XP_002662059.2 hypothetical protein LOC100318173
XP_002662060.2 beta,beta-carotene 9',10'-oxygenase
XP_002662132.2 hypothetical protein LOC116993
XP_002662144.1 tetratricopeptide repeat protein 37-like
XP_002662229.2 tetratricopeptide repeat protein 16-like
XP_002662236.1 hypothetical protein LOC100321354
XP_002662241.2 phosphatidylinositol 4,5-bisphosphate 5-phosphatase A
XP_002662309.2 RNA-binding protein 26
XP_002662350.2 pericentrin
XP_002662357.2 protein Wnt-6-like, partial
XP_002662391.1 phosphoinositide 3-kinase regulatory subunit 5
XP_002662398.2 LOW QUALITY PROTEIN: trinucleotide repeat-containing gene 6C protein
XP_002662476.2 hypothetical protein LOC550304
XP_002662477.2 transforming growth factor beta receptor type 3-like
XP_002662505.1 LOW QUALITY PROTEIN: dedicator of cytokinesis protein 7
XP_002662553.2 metabotropic glutamate receptor 2
XP_002662555.2 FERM domain-containing protein 4B-like
XP_002662564.2 cell adhesion molecule with homology to L1CAM (close homolog of L1) b, partial
XP_002662570.2 hypothetical protein LOC100332241
XP_002662593.2 hyaluronidase-2-like
XP_002662598.2 deoxynucleotidyltransferase terminal-interacting protein 1-like, partial
XP_002662604.2 alpha-1-syntrophin-like, partial
XP_002662613.2 hypothetical protein LOC100334461, partial
XP_002662615.2 integral membrane protein GPR180-like, partial
XP_002662629.1 hypothetical protein LOC100332081
XP_002662792.2 pro-interleukin-16-like, partial
XP_002662851.1 hypothetical protein LOC100333688
XP_002662855.2 hypothetical protein LOC100334500
XP_002662869.1 leishmanolysin-like peptidase-like
XP_002662886.1 immunoglobulin superfamily DCC subclass member 4
XP_002662889.1 amyloid beta A4 precursor protein-binding family A member 2
XP_002662902.1 WD repeat-containing protein 60-like
XP_002662910.2 t-cell immunomodulatory protein-like
XP_002662959.1 im:7138475
XP_002662979.2 A disintegrin and metalloproteinase with thrombospondin motifs 7-like
XP_002662989.1 DNA replication factor Cdt1
XP_002662990.2 ankyrin repeat domain-containing protein 11
XP_002663014.1 mannose receptor, C type 1a
XP_002663051.2 inactive ubiquitin carboxyl-terminal hydrolase 53-like, partial
XP_002663052.2 hypothetical protein LOC100333879, partial
XP_002663080.2 hypothetical protein LOC100331748, partial
XP_002663085.2 5,6-dihydroxyindole-2-carboxylic acid oxidase
XP_002663107.2 ATP-sensitive inward rectifier potassium channel 10-like, partial
XP_002663116.2 hypothetical protein LOC100332563
XP_002663119.2 ubiquitin carboxyl-terminal hydrolase 11
XP_002663133.2 LOW QUALITY PROTEIN: tyrosine-protein kinase JAK2
XP_002663145.2 epidermal growth factor receptor substrate 15
XP_002663202.2 zinc finger protein 608-like
XP_002663214.2 protein FAM107A
XP_002663220.2 coiled-coil domain-containing protein 157
XP_002663267.2 A disintegrin and metalloproteinase with thrombospondin motifs 13
XP_002663277.1 FERM domain-containing protein 3
XP_002663285.2 long-chain-fatty-acid--CoA ligase 6-like, partial
XP_002663289.2 uncharacterized protein KIAA1751 homolog
XP_002663297.2 LIM domain transcription factor LMO4.2
XP_002663332.2 hypothetical protein LOC100330630
XP_002663342.2 dedicator of cytokinesis protein 9-like, partial
XP_002663359.2 activin receptor type-1C-like, partial
XP_002663366.1 solute carrier family 23 member 3-like
XP_002663398.2 transcription cofactor vestigial-like protein 3-like
XP_002663414.2 nebulin
XP_002663415.2 collagen alpha-3(VI) chain
XP_002663441.1 TBC1 domain family member 4
XP_002663454.2 hypothetical protein LOC450004
XP_002663466.2 hypothetical protein LOC100332907, partial
XP_002663480.2 RNA-binding protein 27-like
XP_002663492.2 TBC1 domain family member 8
XP_002663494.1 e3 ubiquitin-protein ligase TTC3
XP_002663536.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
XP_002663560.2 hypothetical protein LOC100329499

XP_002663587.2 phospholipase DDHD2
 XP_002663594.1 periostin
 XP_002663598.2 hypothetical protein LOC100331563
 XP_002665109.2 breast cancer anti-estrogen resistance protein 3 homolog, partial
 XP_002665537.2 x-ray repair cross-complementing protein 5-like
 XP_002665632.2 pumilio homolog 1
 XP_002665681.1 laminin subunit alpha-2
 XP_002667041.2 hypothetical protein LOC100334622
 XP_002667064.2 exportin-1, partial
 XP_002667090.2 partitioning defective 3 homolog B, partial
 XP_002667242.2 zinc finger protein 618
 XP_002667267.2 polypeptide N-acetylgalactosaminyltransferase 5-like, partial
 XP_002667272.2 hypothetical protein LOC100329851
 XP_002667279.1 hypothetical protein LOC100330441
 XP_002667295.2 hypothetical protein LOC100332327
 XP_002667335.2 butyrophilin subfamily 1 member A1-like
 XP_002667385.1 serine/threonine-protein kinase ppk4-like
 XP_002667402.2 cysteine/serine-rich nuclear protein 3-like
 XP_002667416.2 myotubularin-related protein 3-like, partial
 XP_002667679.2 RNA-binding motif, single-stranded-interacting protein 1-like, partial
 XP_002667690.2 leucyl-tRNA synthetase, cytoplasmic-like
 XP_002667886.2 protein kinase C alpha type-like, partial
 XP_002931510.1 uncharacterized protein C1orf177-like
 XP_002931524.1 LOW QUALITY PROTEIN: polypeptide N-acetylgalactosaminyltransferase 2-like
 XP_002931653.1 LOW QUALITY PROTEIN: ubiquitin carboxyl-terminal hydrolase 24-like
 XP_002931680.1 LOW QUALITY PROTEIN: cleavage stimulation factor subunit 3-like
 XP_002931684.1 hypothetical protein LOC100493525
 XP_002931732.1 hydrocephalus-inducing protein homolog
 XP_002931740.1 putative myosin light chain kinase 3-like
 XP_002931747.1 box C/D snoRNA protein 1
 XP_002931799.1 hypothetical protein LOC100489553
 XP_002931877.1 hypothetical protein LOC100495247
 XP_002931884.1 filamin-C isoform 1
 XP_002931886.1 filamin-C isoform 3
 XP_002931909.1 hypothetical protein LOC100491312
 XP_002932028.1 LOW QUALITY PROTEIN: dynein heavy chain 3, axonemal-like
 XP_002932065.1 hypothetical protein LOC100488389
 XP_002932216.1 fibronectin-like
 XP_002932237.1 GRAM domain-containing protein 4 isoform 2
 XP_002932311.1 hypothetical protein LOC100493590
 XP_002932343.1 LOW QUALITY PROTEIN: anoctamin-2-like
 XP_002932349.1 solute carrier family 23 member 1-like
 XP_002932395.1 olfactory receptor 10A4-like
 XP_002932545.1 RING finger protein 32-like
 XP_002932569.1 hypothetical protein LOC100497982
 XP_002932931.1 hypothetical protein LOC100498574
 XP_002932939.1 myosin-7B-like
 XP_002932982.1 hypothetical protein LOC100497477
 XP_002932985.1 hypothetical protein LOC100497939
 XP_002933045.1 hypothetical protein LOC100493272
 XP_002933046.1 hypothetical protein LOC100493444
 XP_002933050.1 solute carrier family 41 member 1-like
 XP_002933156.1 conserved oligomeric Golgi complex subunit 5-like
 XP_002933160.1 hypothetical protein LOC100485314
 XP_002933173.1 hypothetical protein LOC100488659
 XP_002933211.1 potassium voltage-gated channel subfamily B member 1-like
 XP_002933233.1 transmembrane protein C20orf123 homolog
 XP_002933277.1 hypothetical protein LOC100490187
 XP_002933308.1 hypothetical protein LOC100486370
 XP_002933364.1 WD repeat-containing protein 17-like
 XP_002933372.1 scrapie-responsive protein 1-like
 XP_002933438.1 hypothetical protein LOC100498623
 XP_002933681.1 A disintegrin and metalloproteinase with thrombospondin motifs 2-like
 XP_002933838.1 LOW QUALITY PROTEIN: ATP-binding cassette sub-family D member 3-like
 XP_002933857.1 oral-facial-digital syndrome 1 protein
 XP_002933876.1 hypothetical protein LOC100488662
 XP_002933919.1 hypothetical protein LOC100489626
 XP_002933920.1 LOW QUALITY PROTEIN: anoctamin-5-like
 XP_002933921.1 son of sevenless homolog 1-like
 XP_002933952.1 c-type lectin domain family 4 member K-like
 XP_002934031.1 angiotensin-1 receptor-like
 XP_002934058.1 hypothetical protein LOC100487092
 XP_002934113.1 guanylyl cyclase-activating protein 2
 XP_002934174.1 hypothetical protein LOC100494971
 XP_002934298.1 LOW QUALITY PROTEIN: ankyrin-2-like
 XP_002934430.1 protein dpy-19 homolog 3-like
 XP_002934518.1 LOW QUALITY PROTEIN: serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A-like
 XP_002934528.1 WD repeat-containing protein 35-like isoform 2
 XP_002934645.1 calcitonin receptor-like

XP_002934660.1 intelectin-2-like
XP_002934732.1 feline leukemia virus subgroup C receptor-related protein 1-like
XP_002934751.1 LOW QUALITY PROTEIN: SET and MYND domain-containing protein 2-like
XP_002934844.1 LOW QUALITY PROTEIN: cAMP-specific 3',5'-cyclic phosphodiesterase 4D
XP_002934986.1 hypothetical protein LOC100493050, partial
XP_002935102.1 hypothetical protein LOC100487146
XP_002935117.1 hypothetical protein LOC100493710, partial
XP_002935151.1 coiled-coil domain-containing protein 65-like
XP_002935166.1 adenylate cyclase type 6-like
XP_002935200.1 coiled-coil domain-containing protein 150-like
XP_002935373.1 pogo transposable element with KRAB domain-like
XP_002935454.1 hypothetical protein LOC100488780
XP_002935474.1 LOW QUALITY PROTEIN: cGMP-dependent protein kinase 1-like
XP_002935499.1 dynein heavy chain 6, axonemal-like
XP_002935641.1 LOW QUALITY PROTEIN: transient receptor potential cation channel subfamily M member 3-like
XP_002935729.1 uncharacterized protein DDB_G0290685-like
XP_002935738.1 hypothetical protein LOC100487837
XP_002935766.1 zinc finger CCHC domain-containing protein 3-like
XP_002935813.1 zinc finger SWIM domain-containing protein KIAA0913
XP_002935986.1 hypothetical protein LOC100485015
XP_002936017.1 WASH complex subunit FAM21C
XP_002936094.1 hypothetical protein LOC100496785
XP_002936351.1 LOW QUALITY PROTEIN: hypothetical protein LOC100379710
XP_002936357.1 hypothetical protein LOC100497167
XP_002936510.1 UDP-glucuronosyltransferase 2B31
XP_002936604.1 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase eta-2-like
XP_002936636.1 hypothetical protein LOC100496428
XP_002936671.1 hypothetical protein LOC100495973
XP_002936857.1 probable G-protein coupled receptor 124-like
XP_002936863.1 hypothetical protein LOC100493551
XP_002936867.1 hypothetical protein LOC100494389
XP_002937048.1 LOW QUALITY PROTEIN: dynein heavy chain 9, axonemal-like
XP_002937182.1 hypothetical protein LOC100495475, partial
XP_002937224.1 hypothetical protein LOC100495853
XP_002937295.1 LOW QUALITY PROTEIN: myosin-VIIa-like
XP_002937513.1 hypothetical protein LOC100489917
XP_002937584.1 glutamate receptor-interacting protein 1-like
XP_002937625.1 hypothetical protein LOC100496014
XP_002937649.1 uncharacterized protein C17orf63 homolog
XP_002937913.1 hypothetical protein LOC100493338
XP_002938031.1 hypothetical protein LOC100497494
XP_002938099.1 laminin subunit alpha-1-like
XP_002938176.1 Fanconi anemia group M protein-like
XP_002938353.1 hypothetical protein LOC100490320
XP_002938639.1 hypothetical protein LOC100492670
XP_002938831.1 short transient receptor potential channel 5-like isoform 3
XP_002938889.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase MRCK alpha-like
XP_002938926.1 hypothetical protein LOC100496327
XP_002938987.1 hypothetical protein LOC100487312
XP_002938990.1 tetratricopeptide repeat protein 24
XP_002939029.1 CUB and sushi domain-containing protein 3-like, partial
XP_002939050.1 hypothetical protein LOC100493835
XP_002939150.1 hypothetical protein LOC100493948
XP_002939314.1 A disintegrin and metalloproteinase with thrombospondin motifs 17
XP_002939334.1 hypothetical protein LOC100493836
XP_002939411.1 hypothetical protein LOC100492020
XP_002939566.1 hypothetical protein LOC100493179
XP_002939629.1 LOW QUALITY PROTEIN: short transient receptor potential channel 4-like
XP_002940003.1 sperm flagellar protein 2-like, partial
XP_002940048.1 double-strand-break repair protein rad21 homolog isoform 2
XP_002940172.1 multiple PDZ domain protein-like
XP_002940317.1 putative uncharacterized transposon-derived protein ZK1236.4-like
XP_002940466.1 hypothetical protein LOC100491679
XP_002940475.1 hypothetical protein LOC100493353
XP_002940580.1 IgGfC-binding protein
XP_002940617.1 hypothetical protein LOC100488852
XP_002940666.1 LOW QUALITY PROTEIN: MHC class II regulatory factor RFX1-like
XP_002940691.1 hypothetical protein LOC100485130
XP_002940972.1 hypothetical protein LOC100486970
XP_002941018.1 LOW QUALITY PROTEIN: voltage-dependent L-type calcium channel subunit alpha-1F-like
XP_002941105.1 hypothetical protein LOC100496911
XP_002941124.1 uncharacterized protein KIAA1539 homolog
XP_002941418.1 LOW QUALITY PROTEIN: neuroblastoma-amplified sequence-like
XP_002941537.1 hypothetical protein LOC100495606
XP_002941553.1 hypothetical protein LOC100487066
XP_002941606.1 olfactory receptor 2G6-like
XP_002941623.1 probable RNA-directed DNA polymerase from transposon BS-like
XP_002941723.1 hypothetical protein LOC100488485
XP_002941757.1 hypothetical protein LOC100498074

XP_002941899.1 para-nitrobenzyl esterase-like
XP_002941964.1 hypothetical protein LOC100495935, partial
XP_002942120.1 LOW QUALITY PROTEIN: guanylate-binding protein 6-like
XP_002942129.1 protein MICAL-3-like, partial
XP_002942237.1 paired box protein Pax-7-like isoform 3
XP_002942293.1 hypothetical protein LOC100497078
XP_002942387.1 hypothetical protein LOC100493142
XP_002942570.1 piwi-like protein 1-like
XP_002942622.1 hypothetical protein LOC100496973
XP_002943320.1 hypothetical protein LOC100496506, partial
XP_002943495.1 non-lysosomal glucosylceramidase
XP_002943511.1 hypothetical protein LOC100491753
XP_002943664.1 hypothetical protein LOC100486110
XP_002943702.1 hypothetical protein LOC100493523
XP_002943899.1 hypothetical protein LOC100497083, partial
XP_002943976.1 hypothetical protein LOC100487437, partial
XP_002944749.1 transposon Ty3-I Gag-Pol polyprotein-like
XP_002944807.1 hypothetical protein LOC100498344
XP_002945345.1 hypothetical protein LOC100494852, partial
XP_002945434.1 vomeronasal type-2 receptor 1-like, partial
XP_002945514.1 retrotransposon-like protein 1-like, partial
XP_002945528.1 hypothetical protein LOC100489098, partial
XP_002945530.1 hypothetical protein LOC100489401, partial
XP_002945566.1 putative uncharacterized transposon-derived protein ZK1236.4-like, partial
XP_003197669.1 fibrinogen alpha chain-like
XP_003197695.1 SH3 domain-containing protein 19-like
XP_003197720.1 hypothetical protein LOC100536880
XP_003197734.1 hypothetical protein LOC100537580
XP_003197745.1 hypothetical protein LOC100536567
XP_003197780.1 hypothetical protein LOC100535525, partial
XP_003197795.1 EGF-like module-containing mucin-like hormone receptor-like 1-like, partial
XP_003197797.1 hypothetical protein LOC100536723
XP_003197820.1 hypothetical protein LOC100537163
XP_003197850.1 dynamin-2, partial
XP_003197859.1 latrophilin-2-like, partial
XP_003197861.1 afadin- and alpha-actinin-binding protein-like, partial
XP_003197899.1 espin-like protein
XP_003197902.1 hypothetical protein LOC100537884
XP_003197913.1 trimethylguanosine synthase-like
XP_003197916.1 RING finger protein 31-like, partial
XP_003197932.1 laminin subunit gamma-2
XP_003197996.1 LOW QUALITY PROTEIN: hypothetical protein LOC100322182
XP_003198009.1 cyclic AMP-responsive element-binding protein 3-like protein 3-A-like
XP_003198011.1 uncharacterized protein KIAA0802-like, partial
XP_003198012.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2-like, partial
XP_003198016.1 protein unc-13 homolog A-like, partial
XP_003198079.1 hypothetical protein LOC100332545
XP_003198126.1 si:key-91d10.8
XP_003198133.1 tumor necrosis factor receptor superfamily member 16-like
XP_003198137.1 chromobox protein homolog 8-like
XP_003198146.1 LOW QUALITY PROTEIN: hypothetical protein LOC565612
XP_003198149.1 vascular endothelial zinc finger 1-like, partial
XP_003198157.1 hypothetical protein LOC560591
XP_003198161.1 liprin-alpha-3-like
XP_003198170.1 hypothetical protein LOC568908
XP_003198182.1 hypothetical protein LOC100007086
XP_003198196.1 rho GTPase-activating protein 23-like
XP_003198200.1 integrator complex subunit 1 isoform 1
XP_003198218.1 hypothetical protein LOC100538074
XP_003198225.1 cytohesin-3-like, partial
XP_003198235.1 von Willebrand factor A domain-containing protein 3A-like
XP_003198260.1 protein FAM180A-like
XP_003198292.1 hypothetical protein LOC100034386
XP_003198307.1 interleukin-1 receptor-associated kinase 3
XP_003198323.1 hypothetical protein LOC100536124
XP_003198324.1 putative uncharacterized protein C12orf63
XP_003198327.1 hypothetical protein LOC100538209
XP_003198385.1 hypothetical protein LOC100537439
XP_003198627.1 kinesin-like protein KIF21A-like
XP_003198634.1 pikachurin-like, partial
XP_003198635.1 sushi domain-containing protein 1-like
XP_003198636.1 sushi domain-containing protein 1
XP_003198647.1 proline dehydrogenase, mitochondrial-like, partial
XP_003198655.1 methylcytosine dioxygenase TET3
XP_003198682.1 zinc finger matrin-type protein 4
XP_003198686.1 hypothetical protein LOC100535208
XP_003198691.1 glucocorticoid receptor DNA-binding factor 1
XP_003198698.1 PDZ domain-containing protein 2
XP_003198705.1 DNA mismatch repair protein Msh3-like

XP_003198723.1 metaxin-3-like
XP_003198732.1 protein FAM189A2-like
XP_003198762.1 active breakpoint cluster region-related protein, partial
XP_003198779.1 astrotactin-2-like, partial
XP_003198780.1 nuclear pore complex protein Nup214, partial
XP_003198786.1 homeobox protein TGIF2-like
XP_003198794.1 STE20-related kinase adapter protein beta-like, partial
XP_003198809.1 hypothetical protein LOC100536063
XP_003198823.1 hypothetical protein LOC100034480
XP_003198829.1 zinc finger protein 644-like
XP_003198872.1 neural cell adhesion molecule L1-like protein-like, partial
XP_003198892.1 NFX1-type zinc finger-containing protein 1-like
XP_003198895.1 peroxisomal proliferator-activated receptor A-interacting complex 285 kDa protein-like
XP_003198896.1 hypothetical protein LOC100537942, partial
XP_003198905.1 hypothetical protein LOC100334579
XP_003198923.1 macrophage mannose receptor 1-like protein 1-like isoform 2
XP_003198947.1 ADAMTS-like protein 3-like, partial
XP_003198974.1 echinoderm microtubule associated protein like 3
XP_003199017.1 immunoglobulin superfamily DCC subclass member 3, partial
XP_003199021.1 dipeptidase 3-like
XP_003199053.1 leucine-rich repeat and calponin homology domain-containing protein 4-like
XP_003199056.1 SH3 domain and tetratricopeptide repeats-containing protein 1-like
XP_003199072.1 hypothetical protein LOC100538137
XP_003199080.1 dmX-like protein 1-like, partial
XP_003199106.1 hypothetical protein LOC100534929
XP_003199124.1 nephrocystin-4
XP_003199125.1 uncharacterized protein KIAA0562
XP_003199128.1 LON peptidase N-terminal domain and RING finger protein 1
XP_003199135.1 zinc finger protein 335-like
XP_003199150.1 hypothetical protein LOC100535806
XP_003199162.1 hypothetical protein LOC553374, partial
XP_003199181.1 hypothetical protein LOC794073
XP_003199185.1 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase eta-2-like, partial
XP_003199193.1 BDNF/NT-3 growth factors receptor
XP_003199198.1 patched domain-containing protein 2-like, partial
XP_003199200.1 hypothetical protein LOC100462698, partial
XP_003199216.1 INO80 complex subunit D-like
XP_003199223.1 cytohesin-interacting protein-like
XP_003199235.1 cell surface glycoprotein CD200 receptor 1
XP_003199237.1 protein Wnt-6
XP_003199244.1 uncharacterized protein C2orf80 homolog
XP_003199252.1 serum deprivation-response protein isoform 1
XP_003199266.1 hypothetical protein LOC100534830
XP_003199289.1 receptor tyrosine-protein kinase erbB-4
XP_003199295.1 xin actin-binding repeat-containing protein 2-like
XP_003199300.1 sodium-driven chloride bicarbonate exchanger, partial
XP_003199310.1 FERM and PDZ domain-containing protein 4, partial
XP_003199339.1 vitamin K-dependent gamma-carboxylase, partial
XP_003199365.1 amyloid beta A4 precursor protein-binding family B member 1-like isoform 2
XP_003199381.1 hypothetical protein LOC100537055
XP_003199384.1 hypothetical protein LOC100538290
XP_003199398.1 CD209 antigen-like, partial
XP_003199405.1 protocadherin Fat 3-like, partial
XP_003199782.1 thyroid receptor-interacting protein 11-like
XP_003443499.1 glutamate receptor 2 isoform 1
XP_003447784.1 muscarinic acetylcholine receptor M5
XP_003448132.1 T-complex protein 1 subunit beta-like
XP_003460779.1 hypothetical protein LOC100715449
XP_003460863.1 hypothetical protein LOC100715351
XP_003461336.1 transforming protein p29-like
XP_003462101.1 meiosis-specific nuclear structural protein 1-like
XP_003462389.1 LOW QUALITY PROTEIN: serine/threonine-protein kinase WNK3-like
XP_003462715.1 hypothetical protein LOC100724064
XP_003463981.1 dual specificity tyrosine-phosphorylation-regulated kinase 1A-like
XP_003463984.1 hypothetical protein LOC100715662
XP_003464913.1 hypothetical protein LOC100725823
XP_003465244.1 ubiquitin-60S ribosomal protein L40-like
XP_003465496.1 cytohesin-2-like
XP_003467599.1 mitochondrial import inner membrane translocase subunit TIM14-like
XP_003468821.1 leucine-rich repeat-containing protein 16A-like isoform 3
XP_003469371.1 charged multivesicular body protein 2b-like
XP_003470429.1 hypothetical protein LOC100714763
XP_003470722.1 ubiquitin-conjugating enzyme E2 R2-like
XP_003470787.1 FSD1-like protein-like
XP_003471646.1 latrophilin-3, partial
XP_003472419.1 disheveled-associated activator of morphogenesis 1-like isoform 3
XP_003473448.1 CCR4-NOT transcription complex subunit 10-like, partial
XP_003473495.1 LOW QUALITY PROTEIN: contactin-4-like
XP_003473569.1 solute carrier family 35 member F3 isoform 2

XP_003473733.1 mitogen-activated protein kinase 13-like
 XP_003474506.1 LOW QUALITY PROTEIN: INO80 complex subunit D-like
 XP_003474783.1 LOW QUALITY PROTEIN: protein MAK16 homolog
 XP_003476108.1 tubulin alpha-1B chain-like
 XP_003476864.1 tripartite motif-containing protein 2-like
 XP_003476914.1 hypothetical protein LOC100712770
 XP_003477059.1 SNF-related serine/threonine-protein kinase-like
 XP_003477784.1 RNA binding protein fox-1 homolog 1-like isoform 1
 XP_003478546.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A
 XP_003478564.1 protein lunapark-like
 XP_003478716.1 sodium channel protein type 3 subunit alpha-like isoform 3
 XP_003479140.1 LOW QUALITY PROTEIN: uncharacterized protein C1orf173-like
 XP_003479175.1 LOW QUALITY PROTEIN: dedicator of cytokinesis protein 7-like
 XP_003479492.1 LOW QUALITY PROTEIN: chromodomain-helicase-DNA-binding protein 1-like
 XP_003480189.1 calcium-dependent secretion activator 1 isoform 6
 XP_003480415.1 very long-chain acyl-CoA synthetase isoform 2
 XP_003640718.1 tyrosine-protein phosphatase non-receptor type 23-like
 XP_003640916.1 thyroglobulin-like
 XP_003640978.1 rho guanine nucleotide exchange factor 33
 XP_003641246.1 uncharacterized protein LOC100859493
 XP_003641316.1 B-cell scaffold protein with ankyrin repeats-like
 XP_003641509.1 leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 2-like
 XP_003641522.1 A disintegrin and metalloproteinase with thrombospondin motifs 14
 XP_003641550.1 LOW QUALITY PROTEIN: deleted in malignant brain tumors 1 protein
 XP_003641730.1 uncharacterized protein LOC424493
 XP_003641782.1 kinesin family member 1A isoform 2
 XP_003642016.1 dual specificity protein phosphatase 7-like
 XP_003642917.1 LOW QUALITY PROTEIN: lipid phosphate phosphatase-related protein type 3-like
 XP_003643037.1 zinc finger protein GLIS3-like
 XP_003643098.1 uncharacterized protein LOC100857745
 XP_003643183.1 deleted in malignant brain tumors 1 protein, partial
 XP_003643184.1 uncharacterized protein LOC426818
 XP_003643545.1 RNA polymerase II-associated factor 1 homolog
 XP_413892.3 proprotein convertase subtilisin/kexin type 6
 XP_414038.3 puratrophin-1-like
 XP_414229.3 26S proteasome non-ATPase regulatory subunit 7
 XP_415101.2 transmembrane protein 132B-like
 XP_415176.3 LOW QUALITY PROTEIN: probable E3 ubiquitin-protein ligase C12orf51
 XP_415569.3 LOW QUALITY PROTEIN: endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase
 XP_415583.3 dual specificity mitogen-activated protein kinase kinase 4
 XP_416030.3 PDZ domain-containing RING finger protein 4
 XP_416037.3 A disintegrin and metalloproteinase with thrombospondin motifs 20
 XP_416120.3 LOW QUALITY PROTEIN: liprin-alpha-2
 XP_416673.3 roundabout homolog 1
 XP_416913.3 uncharacterized protein LOC418714
 XP_416937.3 protein FAM70B
 XP_417163.3 cullin-5
 XP_417455.3 transmembrane 9 superfamily member 4
 XP_417663.3 AP2-associated protein kinase 1
 XP_418292.2 lactamase, beta 2
 XP_418588.3 mycocerosic acid synthase-like
 XP_419666.2 serine/threonine-protein kinase LATS1
 XP_419742.3 LOW QUALITY PROTEIN: lethal(3)malignant brain tumor-like protein 3 isoform 2
 XP_420249.3 protocadherin-11 X-linked-like
 XP_420557.3 stearoyl-CoA desaturase 5
 XP_420619.2 spermatogenesis-associated protein 5
 XP_420813.2 probable serine protease HTRA3 isoform 2
 XP_421686.3 insulin-degrading enzyme
 XP_421936.3 caspase-10
 XP_422063.3 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-4-like
 XP_422260.3 LOW QUALITY PROTEIN: centrosome-associated protein 350
 XP_422615.3 collagen alpha-4(IV) chain
 XP_422641.3 transcription factor HES-4
 XP_422808.3 uncharacterized protein LOC425001
 XP_423126.3 LOW QUALITY PROTEIN: dysferlin, partial
 XP_423889.3 LOW QUALITY PROTEIN: genetic suppressor element 1
 XP_425331.3 ral guanine nucleotide dissociation stimulator
 XP_425393.2 cut-like homeobox 1
 XP_425890.3 semaphorin-6B, partial
 XP_426316.3 A disintegrin and metalloproteinase with thrombospondin motifs 3
 XP_427026.3 LOW QUALITY PROTEIN: protein scribble homolog
 XP_429729.3 cortixin-1
 XP_682866.5 saccin
 XP_682960.3 homeobox protein koza
 XP_683016.5 armadillo repeat-containing protein 6-like
 XP_683042.4 Scm-like with four mbt domains 2
 XP_683121.4 protocadherin-7, partial
 XP_683194.5 protein sidekick-1
 XP_683242.5 cAMP-specific 3',5'-cyclic phosphodiesterase 4B, partial

XP_683309.2 hypothetical protein LOC555649
 XP_683329.3 hypothetical protein LOC555663
 XP_683335.5 nuclear factor 1 X-type
 XP_683507.4 GRINL1A complex locus protein 1
 XP_683623.3 high affinity cationic amino acid transporter 1 isoform 1
 XP_683699.4 leucine-rich repeat-containing protein C22orf36 homolog
 XP_683785.4 semaphorin-4F
 XP_683959.5 zinc finger protein 652-A
 XP_683981.4 exocyst complex component 3-like 2a
 XP_684101.5 calmodulin-regulated spectrin-associated protein 3
 XP_684212.3 glycosyltransferase 25 family member 3 isoform 1
 XP_684322.2 hypothetical protein LOC556416
 XP_684415.4 copper-transporting ATPase 2
 XP_684508.3 AMP deaminase 3-like
 XP_684578.2 similar to Fgl1 protein
 XP_684600.1 peptidase inhibitor 15-like
 XP_684807.5 zinc/RING finger protein 3
 XP_685029.4 protein transport protein Sec16B
 XP_685057.4 PEX5-related protein
 XP_685064.5 alsin
 XP_685133.3 hypothetical protein LOC557062
 XP_685436.5 leucine-rich repeat-containing protein 2
 XP_685503.4 LOW QUALITY PROTEIN: wu:fl04e06
 XP_685613.3 zona pellucida sperm-binding protein 3 isoform 1
 XP_685659.4 histone deacetylase 5-like
 XP_685713.3 carboxypeptidase Z
 XP_685996.4 synembryn-A-like
 XP_686084.4 hypothetical protein LOC557848
 XP_686125.4 hypothetical protein LOC557879
 XP_686127.4 protein Dok-7
 XP_686205.5 hypothetical protein LOC553348
 XP_686356.5 interphotoreceptor matrix proteoglycan 2
 XP_686358.5 kinetochore-associated protein 1, partial
 XP_686465.2 epsin-2-like isoform 1
 XP_686612.5 protein FAM161A-like
 XP_686619.5 synaptotagmin-like protein 5-like
 XP_686632.5 ATP-binding cassette sub-family A member 12
 XP_686735.4 ligand dependent nuclear receptor corepressor-like
 XP_686789.5 e3 ubiquitin-protein ligase HERC2, partial
 XP_686984.1 protein CBFA2T3-like isoform 1
 XP_687028.2 zinc finger protein 184
 XP_687197.4 hypothetical protein LOC558838
 XP_687343.4 laminin subunit gamma-3
 XP_687404.2 rho guanine nucleotide exchange factor 4 isoform 2
 XP_687426.4 hypothetical protein LOC559035
 XP_687461.5 hypothetical protein LOC559062
 XP_687576.3 docking protein 3
 XP_687578.3 rap guanine nucleotide exchange factor 4 isoform 2
 XP_687633.3 activin receptor type-1B-like, partial
 XP_687688.5 LOW QUALITY PROTEIN: electrogenic sodium bicarbonate cotransporter 4
 XP_687719.1 adenosine deaminase CECR1-A
 XP_687811.5 collagen alpha-2(IV) chain, partial
 XP_687962.2 tyrosine-protein phosphatase non-receptor type 5
 XP_688053.5 sulfhydryl oxidase 2-like
 XP_688060.3 interferon-induced 35 kDa protein homolog
 XP_688063.2 kelch-like protein 23-like
 XP_688220.2 phosphorylated CTD-interacting factor 1
 XP_688265.2 hypothetical protein LOC559800
 XP_688275.4 ER degradation enhancer, mannosidase alpha-like 3
 XP_688292.4 palmdelphin
 XP_688339.1 Rieske domain-containing protein-like
 XP_688497.2 netrin-G2
 XP_688534.5 protein CYR61
 XP_688540.2 prostaglandin E2 receptor EP4 subtype
 XP_688629.4 protein SFI1 homolog isoform 2
 XP_688707.1 RNA (guanine-9-)-methyltransferase domain-containing protein 2
 XP_688712.4 testis-expressed sequence 9 protein
 XP_688779.2 POZ-, AT hook-, and zinc finger-containing protein 1
 XP_688954.5 IQ motif and SEC7 domain-containing protein 2-like
 XP_689032.3 PDZ domain-containing protein 4
 XP_689083.5 sortilin, partial
 XP_689092.5 solute carrier family 2, facilitated glucose transporter member 6
 XP_689188.3 hypothetical protein LOC560699
 XP_689189.5 G-protein coupled receptor 124, partial
 XP_689291.4 ras-related protein Rab-44
 XP_689297.5 multiple epidermal growth factor-like domains protein 9
 XP_689365.4 trinucleotide repeat-containing gene 6C protein-like
 XP_689382.3 hypothetical protein LOC560890
 XP_689430.2 ankyrin repeat domain-containing protein 34B-like

XP_689610.4 sperm-associated antigen 17
XP_689643.5 CBL-interacting protein kinase 16-like, partial
XP_689681.5 tyrosine-protein kinase transmembrane receptor ROR2-like
XP_689701.3 transcription factor AP-2-alpha
XP_689876.3 uncharacterized protein C2orf67 homolog
XP_689991.3 transmembrane channel-like protein 5-like
XP_690069.4 neuropeptide FF receptor 2
XP_690079.2 uncharacterized protein C13orf18
XP_690115.5 cytoplasmic dynein 1 intermediate chain 2 isoform 2
XP_690132.3 hypothetical protein LOC325699
XP_690183.4 nuclear factor of activated T-cells, cytoplasmic 4
XP_690360.2 hypothetical protein LOC561863
XP_690503.2 regulator of G-protein signaling 4-like
XP_690659.4 tyrosine-protein phosphatase non-receptor type 9
XP_690759.4 plexin-C1
XP_690786.4 troponin T, cardiac muscle isoforms
XP_690848.3 adenosine receptor A3-like
XP_690881.2 hypothetical protein LOC562403
XP_691222.4 coiled-coil domain-containing protein 14-like
XP_691382.3 probable phospholipid-transporting ATPase IH
XP_691444.4 bromodomain and WD repeat-containing protein 3 isoform 1
XP_691450.4 DEP domain-containing protein 5-like
XP_691619.3 hypothetical protein LOC563160
XP_691626.5 RIMS-binding protein 2
XP_691634.5 striated muscle-specific serine/threonine-protein kinase
XP_691636.4 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1-like
XP_691776.4 AP-3 complex subunit beta-1
XP_691844.2 hypothetical protein LOC563388
XP_691883.3 cGMP-inhibited 3',5'-cyclic phosphodiesterase B
XP_691984.5 hypothetical protein LOC563528
XP_692129.3 caskin-1
XP_692160.2 bestrophin-4-like
XP_692169.4 coiled-coil and C2 domain-containing protein 1B
XP_692201.3 hypothetical protein LOC563749
XP_692206.5 receptor-type tyrosine-protein phosphatase F
XP_692276.4 patatin-like phospholipase domain containing 7
XP_692290.4 tectonic-2
XP_692597.3 protein KIAA1967 homolog
XP_692712.4 cytoskeletal protein Sojo
XP_692783.3 protein tyrosine phosphatase, receptor type, Nb
XP_692847.2 semaphorin-3C
XP_692914.1 lysine-specific demethylase 7A
XP_692921.2 e3 SUMO-protein ligase PIAS1
XP_692963.3 tetratricopeptide repeat protein 18
XP_692965.4 histone-lysine N-methyltransferase MLL5
XP_693095.2 hypothetical protein LOC564674, partial
XP_693164.3 centrosomal protein of 78 kDa
XP_693210.3 tetratricopeptide repeat protein 19
XP_693211.3 zinc finger CCHC domain-containing protein 2
XP_693326.4 GDNF family receptor alpha-2-like
XP_693369.1 intelectin-1-like
XP_693520.5 paxillin-like
XP_693701.3 uncharacterized protein C7orf58
XP_693796.4 hypothetical protein LOC565424
XP_693816.4 si:ch211-208h.4
XP_693858.4 histone deacetylase 6
XP_693860.5 protein ENL
XP_693925.3 galactose-3-O-sulfotransferase 2-like
XP_694183.2 heat shock factor 2-binding protein
XP_694217.1 procollagen galactosyltransferase 1
XP_694302.4 im:7159194
XP_694311.5 transcription factor E2F8
XP_694322.4 zinc finger protein 622
XP_694330.3 hypothetical protein LOC565974
XP_694393.2 myosin-VIIa
XP_694414.5 histone-lysine N-methyltransferase NSD3
XP_694580.4 contactin-associated protein 1-like
XP_694589.2 potassium voltage-gated channel subfamily G member 4-like
XP_694648.4 si:key-252h13.1
XP_694649.3 phospholipase D2
XP_694682.5 si:ch211-239f4.1
XP_694833.1 polymeric immunoglobulin receptor
XP_694845.4 protein SCAF11
XP_694982.2 carbonic anhydrase 9
XP_695016.1 hypothetical protein LOC566646
XP_695158.2 protein FAM83G
XP_695224.5 hypothetical protein LOC566845, partial
XP_695228.3 cytohesin-3
XP_695250.4 si:key-32e23.4

XP_695252.4 wolframin
 XP_695297.3 insulin receptor substrate 1
 XP_695298.5 a-kinase anchor protein 10, mitochondrial
 XP_695417.3 pappalysin-2-like
 XP_695476.4 LOW QUALITY PROTEIN: receptor-type tyrosine-protein phosphatase T
 XP_695621.3 novel protein similar to vertebrate transmembrane channel family
 XP_695650.3 potassium voltage-gated channel subfamily V member 2
 XP_695681.5 rho GTPase-activating protein 44
 XP_695687.3 transmembrane channel-like gene family 2-like
 XP_695755.3 ubiquitin-like modifier-activating enzyme 6-like
 XP_695803.4 si:dkey-96l17.6
 XP_695864.2 SWI/SNF complex subunit SMARCC2
 XP_695887.4 hypothetical protein LOC567501
 XP_695912.5 tuberin
 XP_696012.3 sperm-associated antigen 5
 XP_696022.5 adipocyte enhancer-binding protein 1
 XP_696033.4 RING finger protein 31
 XP_696051.1 UPPF0577 protein KIAA1324
 XP_696219.3 hypothetical protein LOC567822
 XP_696241.2 uncharacterized protein C1orf106
 XP_696251.4 si:ch211-267e7.3
 XP_696283.3 MLL1/MLL complex subunit KIAA1267-like
 XP_696361.2 ankyrin repeat domain-containing protein 50
 XP_696543.2 speract receptor-like
 XP_696562.5 solute carrier family 44, member 5a
 XP_696730.3 5'-AMP-activated protein kinase subunit gamma-2-like
 XP_696879.4 si:dkey-58b18.11
 XP_696908.4 regulating synaptic membrane exocytosis protein 1-like, partial
 XP_697084.3 hypothetical protein LOC568650
 XP_697127.3 caspase recruitment domain-containing protein 14
 XP_697161.2 hypothetical protein LOC568721
 XP_697171.2 hypothetical protein LOC553519
 XP_697184.4 elongation factor Tu GTP-binding domain-containing protein 1-like
 XP_697413.5 uncharacterized protein C9orf172-like
 XP_697454.2 RING finger protein 17
 XP_697502.3 zinc finger protein 541-like
 XP_697585.3 hypothetical protein LOC569128
 XP_697644.5 novel protein similar to vertebrate contactin associated protein family
 XP_697646.3 hypothetical protein LOC569187
 XP_697820.3 GDH/6PGL endoplasmic bifunctional protein-like
 XP_697933.5 ATP-dependent RNA helicase Dhx29
 XP_697966.4 elongation factor 2
 XP_697984.4 G protein-activated inward rectifier potassium channel 2
 XP_698063.4 bromodomain-containing protein 1
 XP_698107.3 A disintegrin and metalloproteinase with thrombospondin motifs 8
 XP_698239.5 hypothetical protein LOC569742
 XP_698425.4 ankyrin repeat and LEM domain-containing protein 2-like
 XP_698448.2 FAST kinase domain-containing protein 5-like
 XP_698544.5 CREB-regulated transcription coactivator 3
 XP_698680.5 beta-adducin
 XP_698757.5 hypothetical protein LOC570215
 XP_698846.5 filamin-C, partial
 XP_698926.4 protein FAM63B
 XP_699030.4 aldehyde oxidase
 XP_699102.4 EMILIN-3
 XP_699111.5 hypothetical protein LOC570526
 XP_699171.2 deubiquitinating protein VCIP135-like, partial
 XP_699301.4 receptor-type tyrosine-protein phosphatase T-like, partial
 XP_699397.4 structural maintenance of chromosomes flexible hinge domain-containing protein 1-like, partial
 XP_699485.3 integrin alpha-1-like
 XP_699687.4 sodium/potassium/calcium exchanger 2-like, partial
 XP_699750.5 si:dkey-42o15.2
 XP_699803.3 matrix metalloproteinase-24
 XP_699940.5 histone-lysine N-methyltransferase SETD1B
 XP_700046.4 sentrin-specific protease 7
 XP_700099.4 gamma-aminobutyric acid receptor subunit delta
 XP_700258.4 rhabdoid tumor deletion region protein 1
 XP_700271.5 hypothetical protein LOC571576
 XP_700280.4 collagen alpha-1(I) chain-like
 XP_700595.2 hypothetical protein LOC571869
 XP_700683.3 tripartite motif-containing protein 58-like
 XP_700812.4 cAMP-specific 3',5'-cyclic phosphodiesterase 4A
 XP_700922.4 probable tumor suppressor protein MN1
 XP_701001.4 armadillo repeat protein deleted in velo-cardio-facial syndrome-like
 XP_701002.4 hypothetical protein LOC572217
 XP_701038.4 calponin-1-like
 XP_706159.2 hypothetical protein LOC562777
 XP_707850.3 phosphatidate phosphatase LPIN2 isoform 4
 XP_708125.4 v-type proton ATPase 116 kDa subunit a isoform 2-like isoform 5

Supplemental table 2. Striped Raphael catfish unique gene list

NR_ID	Gene_name (Unique gene names, delete repeat names)
XP_003457240.2	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase-like
XP_687620.6	1,4-alpha-glucan-branching enzyme
XP_005027729.1	1,4-alpha-glucan-branching enzyme-like
ADI60062.1	11 beta-hydroxysteroid dehydrogenase type 2
XP_005497106.1	116 kDa U5 small nuclear ribonucleoprotein component
XP_006000383.1	116 kDa U5 small nuclear ribonucleoprotein component isoform X1
XP_005920468.1	116 kDa U5 small nuclear ribonucleoprotein component-like isoform X1
NP_001117690.1	11-beta-hydroxysteroid dehydrogenase
AGJ70766.1	11-beta-hydroxysteroid dehydrogenase 2
NP_001025272.1	11-cis retinol dehydrogenase
XP_005174018.1	11-cis retinol dehydrogenase isoform X1
NP_001070178.2	12-lipoxygenase
ADF97628.1	14 kDa apolipoprotein
NP_001188125.1	14 kDa phosphohistidine phosphatase
XP_004068391.1	14 kDa phosphohistidine phosphatase-like
AAR82847.2	14-3-3 protein
ELK30240.1	14-3-3 protein beta/alpha
XP_006249246.1	14-3-3 protein gamma isoform X1
NP_001187565.1	14-3-3 protein gamma-1
XP_006626189.1	14-3-3 protein theta-like
XP_002914041.1	14-3-3 protein zeta/delta-like
XP_006634776.1	15 kDa selenoprotein-like
NP_001134545.1	15.5 kDa protein
ADO27826.1	15-hydroxyprostaglandin dehydrogenase (NAD+)
ACN66287.1	17 beta hydroxysteroid dehydrogenase 4
ACI69584.1	17-beta-hydroxysteroid dehydrogenase 14
XP_005157924.1	1-acylglycerol-3-phosphate O-acyltransferase ABHD5 isoform X3
XP_004574393.1	1-acylglycerol-3-phosphate O-acyltransferase ABHD5-like
NP_001071200.1	1-acyl-sn-glycerol-3-phosphate acyltransferase alpha
XP_006796900.1	1-acyl-sn-glycerol-3-phosphate acyltransferase alpha-like
ETE55953.1	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon, partial
XP_005737224.1	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon-like
NP_001187438.1	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
NP_001014345.1	1-aminocyclopropane-1-carboxylate synthase-like protein 1
XP_006636448.1	1-phosphatidylinositol 3-phosphate 5-kinase-like
XP_003961685.1	1-phosphatidylinositol 3-phosphate 5-kinase-like isoform 2
XP_003971574.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1-like
XP_004542211.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1-like isoform X3
XP_005453389.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2 isoform X3
XP_004540870.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2-like
XP_003200339.2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2-like, partial
XP_003977980.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3-like
XP_001382127.2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4 isoform X1
XP_004914781.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4 isoform X3
XP_002667895.3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4, partial
XP_003200348.2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4-like
XP_004542206.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4-like isoform X2
XP_005722754.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1-like isoform X3
XP_001921380.2	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3-A isoform X1
XP_005156186.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3-A isoform X2
XP_694028.4	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4
XP_006636745.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4-like
XP_006630425.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase epsilon-1-like
XP_005159268.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1 isoform X1
XP_694841.5	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1 isoform X3
XP_006801669.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1-like isoform X4
XP_005996660.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2
XP_700421.6	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2-like
XP_006639585.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1-like
XP_005448877.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1-like isoform X2
XP_005815781.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2-like, partial
XP_005167724.1	1-phosphatidylinositol-3-phosphate 5-kinase isoform X3
XP_005167725.1	1-phosphatidylinositol-3-phosphate 5-kinase isoform X4
XP_005167726.1	1-phosphatidylinositol-3-phosphate 5-kinase isoform X5
NP_001116245.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-3
NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
NP_001038433.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2
ERE77297.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2-like protein
NP_001002444.2	2,4-dienoyl-CoA reductase, mitochondrial
XP_006631018.1	2',5'-phosphodiesterase 12-like
AAZ73764.1	20S proteasome beta subunit
ACD44944.1	21-hydroxylase
NP_001008645.1	24-dehydrocholesterol reductase
XP_005478067.1	24-methylenesterol C-methyltransferase 3-like
XP_005171451.1	25-hydroxycholesterol 7-alpha-hydroxylase-like isoform X1
XP_004545048.1	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial-like

XP_004738851.1 26S protease regulatory subunit 10B isoform X2
 EGV91914.1 26S protease regulatory subunit 4
 EPQ10527.1 26S protease regulatory subunit 6A
 XP_004776201.1 26S protease regulatory subunit 6B isoform X1
 XP_005949342.1 26S protease regulatory subunit 8-like isoform X2
 ADX97076.1 26S proteasome non-ATPase regulatory subunit 1
 XP_005161904.1 26S proteasome non-ATPase regulatory subunit 1 isoform X3
 ADO28222.1 26S proteasome non-ATPase regulatory subunit 10
 XP_005916553.1 26S proteasome non-ATPase regulatory subunit 10-like
 XP_005794797.1 26S proteasome non-ATPase regulatory subunit 11B-like
 XP_003972209.1 26S proteasome non-ATPase regulatory subunit 12-like isoform 2
 ACQ58426.1 26S proteasome non-ATPase regulatory subunit 13
 ELK04644.1 26S proteasome non-ATPase regulatory subunit 14
 XP_004067942.1 26S proteasome non-ATPase regulatory subunit 1-like
 XP_005800360.1 26S proteasome non-ATPase regulatory subunit 1-like isoform X1
 NP_956840.1 26S proteasome non-ATPase regulatory subunit 2
 XP_005872196.1 26S proteasome non-ATPase regulatory subunit 2-like isoform X3
 XP_005430458.1 26S proteasome non-ATPase regulatory subunit 3
 XP_004086455.1 26S proteasome non-ATPase regulatory subunit 3-like
 XP_005798723.1 26S proteasome non-ATPase regulatory subunit 5-like isoform X2
 ADO28314.1 26S proteasome non-ATPase regulatory subunit 6
 XP_006641261.1 26S proteasome non-ATPase regulatory subunit 7-like
 XP_006760402.1 26S proteasome non-ATPase regulatory subunit 7-like isoform X1
 NP_001187812.1 26S proteasome non-ATPase regulatory subunit 8
 ACO13298.1 26S proteasome non-ATPase regulatory subunit 9
 XP_004067507.1 28S ribosomal protein S11, mitochondrial-like isoform 1
 NP_001002485.1 28S ribosomal protein S15, mitochondrial
 XP_006642090.1 28S ribosomal protein S16, mitochondrial-like
 NP_001018395.1 28S ribosomal protein S17, mitochondrial
 ACI66244.1 28S ribosomal protein S18a, mitochondrial precursor
 XP_005750733.1 28S ribosomal protein S18b, mitochondrial-like isoform X1
 NP_001038655.2 28S ribosomal protein S18c, mitochondrial
 NP_001074162.1 28S ribosomal protein S2, mitochondrial
 XP_006637688.1 28S ribosomal protein S22, mitochondrial-like
 XP_003200059.1 28S ribosomal protein S22, mitochondrial-like isoform X1
 NP_001002418.1 28S ribosomal protein S26, mitochondrial
 XP_002667146.2 28S ribosomal protein S30, mitochondrial-like
 XP_006802265.1 28S ribosomal protein S31, mitochondrial-like
 NP_001165334.1 28S ribosomal protein S33, mitochondrial
 NP_001070064.1 28S ribosomal protein S5, mitochondrial precursor
 NP_001038921.1 28S ribosomal protein S6, mitochondrial
 NP_001038861.1 28S ribosomal protein S9, mitochondrial
 XP_004562658.1 28S ribosomal protein S9, mitochondrial-like isoform X2
 NP_001116095.1 2-acylglycerol O-acyltransferase 1
 NP_001006083.1 2-acylglycerol O-acyltransferase 2
 XP_006627832.1 2-acylglycerol O-acyltransferase 2-A-like
 XP_006013947.1 2-acylglycerol O-acyltransferase 2-A-like isoform X1
 ADO28307.1 2-amino-3-carboxymuconate-6-semialdehyde decarboxylase
 ACI67339.1 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial precursor
 XP_003443136.1 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial-like
 NP_001008634.1 2-aminoethanethiol (cysteamine) dioxygenase a
 NP_998358.1 2-aminoethanethiol (cysteamine) dioxygenase b
 NP_001156671.1 2'-deoxynucleoside 5'-phosphate N-hydrolase 1
 NP_998250.1 2-hydroxyacyl-CoA lyase 1
 NP_001037790.1 2-hydroxyacylsphingosine 1-beta-galactosyltransferase precursor
 XP_006204874.1 2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial isoform X2
 NP_001004541.1 2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial precursor
 BAF95090.1 2nd tick legumain
 NP_001073641.1 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazole decarboxylase
 NP_955983.1 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1
 XP_006780116.1 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1-like
 NP_001073538.1 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 2
 XP_006635170.1 2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3-like
 XP_005155539.1 2-oxoglutarate dehydrogenase, mitochondrial isoform X2
 XP_001338181.2 2-oxoglutarate dehydrogenase, mitochondrial isoformX1
 XP_006625600.1 2-oxoglutarate dehydrogenase, mitochondrial-like
 XP_004479959.1 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial
 XP_005936840.1 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial-like
 XP_003453523.1 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial-like
 XP_005921878.1 3 beta-hydroxysteroid dehydrogenase type 7-like
 XP_005170199.1 3'(2),5'-bisphosphate nucleotidase 1 isoform X1
 XP_004083462.1 3'(2),5'-bisphosphate nucleotidase 1-like
 XP_003446324.1 3'(2),5'-bisphosphate nucleotidase 1-like isoform X1
 NP_001139039.1 3'-5' exoribonuclease CSL4 homolog
 ACM08690.1 39S ribosomal protein L1, mitochondrial precursor
 XP_006797771.1 39S ribosomal protein L1, mitochondrial-like
 XP_004565238.1 39S ribosomal protein L13, mitochondrial-like
 XP_004559848.1 39S ribosomal protein L14, mitochondrial-like
 NP_001003544.1 39S ribosomal protein L19, mitochondrial

XP_006638768.1 39S ribosomal protein L2, mitochondrial-like
 ACO07996.1 39S ribosomal protein L20, mitochondrial precursor
 ACO13420.1 39S ribosomal protein L21, mitochondrial precursor
 XP_006642619.1 39S ribosomal protein L21, mitochondrial-like
 XP_003438698.1 39S ribosomal protein L27, mitochondrial-like
 XP_003968406.1 39S ribosomal protein L28, mitochondrial-like
 XP_005159568.1 39S ribosomal protein L3, mitochondrial isoform X1
 XP_005159569.1 39S ribosomal protein L3, mitochondrial isoform X2
 NP_001018597.1 39S ribosomal protein L30, mitochondrial
 ACI67361.1 39S ribosomal protein L34, mitochondrial precursor
 NP_001076324.1 39S ribosomal protein L37, mitochondrial
 XP_006634816.1 39S ribosomal protein L37, mitochondrial-like
 NP_956209.1 39S ribosomal protein L39, mitochondrial
 XP_003966488.1 39S ribosomal protein L39, mitochondrial-like
 ACO13391.1 39S ribosomal protein L40, mitochondrial precursor
 NP_001018603.1 39S ribosomal protein L41, mitochondrial precursor
 NP_001002428.1 39S ribosomal protein L43, mitochondrial
 XP_005155793.1 39S ribosomal protein L45, mitochondrial isoform X1
 ACO09834.1 39S ribosomal protein L45, mitochondrial precursor
 XP_003437615.2 39S ribosomal protein L46, mitochondrial-like isoform X1
 ACI66146.1 39S ribosomal protein L47, mitochondrial precursor
 XP_003974303.1 39S ribosomal protein L47, mitochondrial-like
 ACO13296.1 39S ribosomal protein L48, mitochondrial precursor
 XP_003459449.1 39S ribosomal protein L48, mitochondrial-like
 XP_686994.2 39S ribosomal protein L49, mitochondrial-like
 XP_004549260.1 39S ribosomal protein L53, mitochondrial-like
 ACI67917.1 39S ribosomal protein L55, mitochondrial precursor
 XP_005796529.1 39S ribosomal protein L9, mitochondrial-like
 NP_001266602.1 3beta-hydroxysteroid dehydrogenase type II
 NP_001014314.1 3-hydroxy-3-methylglutaryl-Coenzyme A reductase b
 ADO28380.1 3-hydroxyacyl-CoA dehydrogenase type-2
 NP_001017809.1 3-hydroxybutyrate dehydrogenase type 2
 ADO28328.1 3-hydroxybutyrate dehydrogenase type-2
 XP_004077874.1 3-hydroxyisobutyrate dehydrogenase, mitochondrial-like
 NP_001014338.1 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial
 XP_005924450.1 3-ketoacyl-CoA thiolase, mitochondrial-like
 XP_006634509.1 3-ketodihydrospingosine reductase-like
 NP_001070796.1 3-keto-steroid reductase
 XP_006634994.1 3-keto-steroid reductase-like
 XP_005939499.1 3-mercaptopyruvate sulfurtransferase-like
 NP_998225.1 3-methyl-2-oxobutanoate dehydrogenase lipoamide kinase, mitochondrial
 NP_001070121.1 3-oxo-5-alpha-steroid 4-dehydrogenase 1
 ACM08278.1 3-oxo-5-alpha-steroid 4-dehydrogenase 2
 NP_001187513.1 3-oxo-5-beta-steroid 4-dehydrogenase
 XP_002714049.1 3-oxoacid CoA transferase 1
 NP_001007292.1 3-oxoacid CoA transferase 1a
 ACO09047.1 3-oxoacyl-acyl-carrier-protein reductase
 XP_693069.5 3-oxoacyl-acyl-carrier-protein synthase, mitochondrial
 XP_003969223.1 3-oxoacyl-acyl-carrier-protein synthase, mitochondrial-like
 NP_997727.1 3'-phosphoadenosine 5'-phosphosulfate synthase 2b
 XP_006637159.1 3-phosphoinositide-dependent protein kinase 1-like
 NP_001135207.1 4,5-dihydroxyphthalate dehydrogenase
 NP_957440.1 40S ribosomal protein S10
 NP_001187218.1 40S ribosomal protein S11
 EMP24698.1 40S ribosomal protein S14
 XP_005558326.1 40S ribosomal protein S14 isoform X1
 XP_004015735.1 40S ribosomal protein S16
 XP_005425983.1 40S ribosomal protein S17-like
 NP_001187082.1 40S ribosomal protein S19
 NP_001187067.1 40S ribosomal protein S2
 XP_003981174.2 40S ribosomal protein S23
 XP_005156862.1 40S ribosomal protein S24 isoform X1
 XP_002759083.1 40S ribosomal protein S24-like
 XP_004948188.1 40S ribosomal protein S25 isoform X2
 ACN10087.1 40S ribosomal protein S26
 XP_006240795.1 40S ribosomal protein S26 isoform X2
 XP_004077957.1 40S ribosomal protein S27-like isoform 3
 ACN09954.1 40S ribosomal protein S28
 ADO28834.1 40S ribosomal protein s3
 NP_001187091.1 40S ribosomal protein S30
 AAK95185.1 40S ribosomal protein S3a
 XP_005938027.1 40S ribosomal protein S3-like isoform X1
 XP_004715961.1 40S ribosomal protein S4, X isoform
 NP_001187070.1 40S ribosomal protein S5
 ACI32935.1 40S ribosomal protein S6
 XP_006629787.1 40S ribosomal protein S6-like
 NP_001187072.1 40S ribosomal protein S7
 NP_001187066.1 40S ribosomal protein SA
 XP_004553093.1 43 kDa receptor-associated protein of the synapse-like

NP_001121822.1	44.1 protein-like
NP_998252.1	45 kDa calcium-binding protein precursor
NP_958906.2	4-aminobutyrate aminotransferase, mitochondrial
ACI33107.1	4-aminobutyrate aminotransferase, mitochondrial precursor
XP_005811779.1	4-aminobutyrate aminotransferase, mitochondrial-like isoform X1
ACN11142.1	4F2 cell-surface antigen heavy chain
XP_001343266.1	4F2 cell-surface antigen heavy chain-like
NP_998035.1	4-hydroxy-2-oxoglutarate aldolase, mitochondrial precursor
NP_001003742.1	4-hydroxyphenylpyruvate dioxygenase
XP_005460902.1	4-hydroxyphenylpyruvate dioxygenase-like
CBN81557.1	4-hydroxyphenylpyruvate dioxygenase-like protein
XP_005583076.1	5'(3')-deoxyribonucleotidase, mitochondrial isoform X5
XP_005815501.1	5'(3')-deoxyribonucleotidase, mitochondrial-like
XP_005721914.1	5'(3')-deoxyribonucleotidase, mitochondrial-like isoform X2
NP_005468282.1	5,6-dihydroxyindole-2-carboxylic acid oxidase-like
NP_001002680.1	52 kDa repressor of the inhibitor of the protein kinase
XP_003388527.1	52 kDa repressor of the inhibitor of the protein kinase-like
NP_957327.2	5'-3' exoribonuclease 1
XP_005163375.1	5'-3' exoribonuclease 1 isoform X2
XP_005797180.1	5'-3' exoribonuclease 1-like
NP_001001944.2	5'-3' exoribonuclease 2
ACN58687.1	5-3 exoribonuclease 2
XP_005160932.1	5'-3' exoribonuclease 2 isoform X1
NP_999857.1	55 kDa erythrocyte membrane protein
XP_006632677.1	55 kDa erythrocyte membrane protein-like
XP_003450530.1	55 kDa erythrocyte membrane protein-like isoform 1
NP_958444.1	5-aminolevulinatase synthase, nonspecific, mitochondrial
XP_004068713.1	5-aminolevulinatase synthase, nonspecific, mitochondrial-like
NP_001103756.1	5'-AMP-activated protein kinase catalytic subunit alpha-1
EQB79059.1	5'-AMP-activated protein kinase catalytic subunit alpha-1
XP_006796975.1	5'-AMP-activated protein kinase catalytic subunit alpha-1-like
XP_700831.4	5'-AMP-activated protein kinase catalytic subunit alpha-2
XP_005799727.1	5'-AMP-activated protein kinase subunit beta-1-like
NP_001124105.1	5'-AMP-activated protein kinase subunit beta-2
XP_003975678.1	5'-AMP-activated protein kinase subunit beta-2-like isoform 2
ADO27771.1	5'-AMP-activated protein kinase subunit gamma-1
XP_006211351.1	5'-AMP-activated protein kinase subunit gamma-2 isoform X1
XP_006634506.1	5'-AMP-activated protein kinase subunit gamma-2-like
XP_005912788.1	5'-AMP-activated protein kinase subunit gamma-2-like isoform X1
AFM56035.1	5'-AMP-activated protein kinase subunit gamma-3 type I
XP_003966030.1	5-azacytidine-induced protein 2-like
ADO28036.1	5-formyltetrahydrofolate cyclo-ligase
NP_001038917.2	5-hydroxyisourate hydrolase
NP_001186950.1	5-hydroxyisourate hydrolase-like
NP_001092888.1	5-hydroxymethylcytosine (hmC) binding, ES cell-specific
NP_001139238.1	5-hydroxytryptamine (serotonin) receptor 1A b
NP_001007122.1	5-hydroxytryptamine (serotonin) receptor 5A like
XP_004083912.1	5-hydroxytryptamine receptor 1B-like
XP_002665689.1	5-hydroxytryptamine receptor 1E-like
XP_005159986.1	5-hydroxytryptamine receptor 1F
XP_006637991.1	5-hydroxytryptamine receptor 1F-like
XP_006628429.1	5-hydroxytryptamine receptor 1-like
XP_006007706.1	5-hydroxytryptamine receptor 2A
XP_689300.6	5-hydroxytryptamine receptor 2A isoform X2
XP_688270.2	5-hydroxytryptamine receptor 2A-like
NP_001038208.1	5-hydroxytryptamine receptor 2B
XP_005172301.1	5-hydroxytryptamine receptor 2C isoform X1
XP_003966907.1	5-hydroxytryptamine receptor 2C-like
XP_005174582.1	5-hydroxytryptamine receptor 3A-like
XP_005921046.1	5-hydroxytryptamine receptor 3A-like, partial
XP_005458518.1	5-hydroxytryptamine receptor 3B-like isoform X2
XP_684857.5	5-hydroxytryptamine receptor 4-like
XP_696681.5	5-hydroxytryptamine receptor 6-like
XP_002662019.3	5-hydroxytryptamine receptor 7
XP_690599.6	5-hydroxytryptamine receptor 7-like
XP_005164483.1	5'-nucleotidase domain-containing protein 1 isoform X2
XP_003453028.1	5'-nucleotidase domain-containing protein 1-like isoform X1
NP_001070611.1	5'-nucleotidase domain-containing protein 2
XP_006625459.1	5'-nucleotidase domain-containing protein 2-like
XP_686778.1	5'-nucleotidase domain-containing protein 3
NP_957226.1	5'-nucleotidase precursor
NP_001004549.1	5'-nucleotidase, cytosolic II, like 1
XP_005155686.1	5'-nucleotidase, cytosolic II, like 1 isoform X1
XP_005156836.1	5'-nucleotidase, cytosolic IIa isoform X1
XP_005156837.1	5'-nucleotidase, cytosolic IIa isoform X2
XP_005156838.1	5'-nucleotidase, cytosolic IIa isoform X3
NP_001186988.1	5-oxoprolinase
XP_004081053.1	5-oxoprolinase-like
XP_004546622.1	5-oxoprolinase-like isoform X1

XP_006003388.1	6.8 kDa mitochondrial proteolipid isoform X1
ADU34083.1	60 kDa heat shock protein
NP_001032474.1	60 kDa SS-A/Ro ribonucleoprotein
XP_006634928.1	60 kDa SS-A/Ro ribonucleoprotein-like
NP_571655.2	60S acidic ribosomal protein P0
XP_004666794.1	60S acidic ribosomal protein P1 isoform X1
NP_001093906.1	60S acidic ribosomal protein P2
XP_006795395.1	60S ribosomal export protein NMD3-like
NP_001187211.1	60S ribosomal protein L10a
XP_005802897.1	60S ribosomal protein L11-like
EMP41574.1	60S ribosomal protein L13a
ABJ98657.1	60S ribosomal protein L14
XP_005994648.1	60S ribosomal protein L14-like
XP_006627218.1	60S ribosomal protein L17-like
XP_004564923.1	60S ribosomal protein L18a-like isoform X1
XP_003977661.1	60S ribosomal protein L18-like
NP_001187213.1	60S ribosomal protein L19
NP_001002155.1	60S ribosomal protein L21
XP_005143324.1	60S ribosomal protein L22
NP_001187683.1	60S ribosomal protein L22-like 1
XP_003454295.2	60S ribosomal protein L22-like isoform X1
XP_005729726.1	60S ribosomal protein L22-like isoform X2
XP_004550031.1	60S ribosomal protein L23a-like isoform X1
NP_001187050.1	60S ribosomal protein L24
ADO28770.1	60S ribosomal protein L27a
XP_006168297.1	60S ribosomal protein L29-like
ADO28780.1	60S ribosomal protein L3
XP_004461340.1	60S ribosomal protein L30 isoform 1
XP_003440920.2	60S ribosomal protein L31-like
XP_004716534.1	60S ribosomal protein L35
ACN09999.1	60S ribosomal protein L36
ETE65345.1	60S ribosomal protein L3-like protein, partial
ADO29334.1	60S ribosomal protein I5
ADO28714.1	60S ribosomal protein I7
NP_001188238.1	60S ribosomal protein I7-like 1
ADO29331.1	60S ribosomal protein I8
NP_001187038.1	60S ribosomal protein L9
CAC43233.2	6A3-5 protein
AAy86961.1	6-phosphofructo-2-kinase
CBN81048.1	6-phosphofructo-2-kinase/fructose-2, 6-biphosphatase 4
NP_956102.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
XP_005162207.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 isoform X2
XP_005170627.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2a isoform X1
ABC75562.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
NP_942111.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4, like
XP_005166082.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4, like isoform X1
XP_005448665.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2-like isoform X1
XP_005731807.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2-like isoform X3
XP_005729767.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2-like isoform X4
XP_005743394.1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3-like isoform X3
XP_002666487.2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase isoform X1
XP_005163620.1	6-phosphofructokinase type C isoform X3
XP_006634405.1	6-phosphofructokinase type C-like
XP_004078786.1	6-phosphofructokinase type C-like isoform 1
XP_005808427.1	6-phosphofructokinase type C-like isoform X2
XP_004081754.1	6-phosphofructokinase, liver type-like
XP_698635.3	6-phosphofructokinase, liver type-like isoform X2
XP_003441524.1	6-phosphofructokinase, muscle type isoform X1
XP_005739681.1	6-phosphofructokinase, muscle type-like isoform X2
XP_003493466.1	6-phosphofructokinase-like isoform 1
NP_998618.1	6-phosphogluconate dehydrogenase, decarboxylating isoform 1
XP_005808265.1	6-phosphogluconate dehydrogenase, decarboxylating-like
ACO13366.1	6-phosphogluconolactonase
XP_005163809.1	6-phosphogluconolactonase isoform X2
XP_006635426.1	6-pyruvoyl tetrahydrobiopterin synthase-like
NP_001187151.1	6-pyruvoyl-tetrahydropterin synthase
XP_003377890.1	7 transmembrane receptor
NP_998583.1	7,8-dihydro-8-oxoguanine triphosphatase precursor
NP_958487.1	7-dehydrocholesterol reductase
XP_001921729.2	7SK snRNA methylphosphate capping enzyme
XP_005167925.1	80 kDa MCM3-associated protein isoform X1
XP_005161851.1	85 kDa calcium-independent phospholipase A2 isoform X1
XP_005810999.1	85/88 kDa calcium-independent phospholipase A2-like
XP_004574577.1	85/88 kDa calcium-independent phospholipase A2-like isoform X1
XP_005172524.1	8-oxo-dGDP phosphatase NUDT18 isoform X1
IQXP	A Chain A, Crystal Structure Of A Mu-Like Calpain
1VJY	A Chain A, Crystal Structure Of A Naphthyridine Inhibitor Of Human Tgf- Beta Type I Receptor

3F5F A Chain A, Crystal Structure Of Heparan Sulfate 2-O-Sulfotransferase From Gallus Gallus As A Maltose Binding Protein Fusion.

2H07 A Chain A, Crystal Structure Of Human Phosphoribosyl Pyrophosphate Synthetase 1 Mutant S132a

3TW4 A Chain A, Crystal Structure Of Human Septin 7 Gtpase Domain

2IFM A Chain A, Crystal Structure Of Human Ste20-Like Kinase (Unliganded Form)

4EGC A Chain A, Crystal Structure Of Mbp-fused Human Six1 Bound To Human Eya2 Eya Domain

4IVG A Chain A, Crystal Structure Of Mitochondrial Hsp90 (trap1) Ntd-middle Domain Dimer With Ampnp

1OE9 A Chain A, Crystal Structure Of Myosin V Motor With Essential Light Chain - Nucleotide-Free

3I5D A Chain A, Crystal Structure Of The Atp-Gated P2x4 Ion Channel In The Closed, Apo State At 3.5 Angstroms (R3)

4IL1 A Chain A, Crystal Structure Of The Rat Calcineurin

1D4O A Chain A, Crystal Structure Of Transhydrogenase Domain Iii At 1.2 Angstroms Resolution

4J2X A Chain A, Csl (rbp-jk) With Corepressor Kyot2 Bound To Dna

4FHH A Chain A, Development Of Synthetically Accessible Non-Secosteroidal Hybrid Molecules Combining Vitamin D Receptor Agonism And Histone Deacetylase Inhibition

4C1B A Chain A, Esterase Domain Of The Zf12-1 Orf1 Protein From The Zebrafish Zf12-1 Retrotransposon

2QOF A Chain A, Human EphA3 Kinase And Juxtamembrane Region, Y596f Mutant

4NFM A Chain A, Human Tau Tubulin Kinase 1 (ttk1)

2LMD A Chain A, Minimal Constraints Solution Nmr Structure Of Prospero Homeobox Protein 1 From Homo Sapiens, Northeast Structural Genomics Consortium Target Hr4660b

1SGH A Chain A, Moesin Ferm Domain Bound To Ebp50 C-Terminal Peptide

4ANJ A Chain A, Myosin Vi (Minsert2-Gfp Fusion) Pre-Powerstroke State (Mg.Adp.Alf4)

2M8E A Chain A, Nmr Structure Of The Pai Subdomain Of Sleeping Beauty Transposase

2VQ8 A Chain A, Rnase Zf-1a

1BR2 A Chain A, Smooth Muscle Myosin Motor Domain Complexed With Mgadp.Alf4

2I3E A Chain A, Solution Structure Of Catalytic Domain Of Goldfish Rich Protein

1JGN A Chain A, Solution Structure Of The C-Terminal Pabc Domain Of Human Poly(A)-Binding Protein In Complex With The Peptide From Paip2

2EQO A Chain A, Solution Structure Of The Stn_traf3ip1_nd Domain Of Interleukin 13 Receptor Alpha 1-Binding Protein-1

1P0R A Chain A, Solution Structure Of Ubl5 A Human Ubiquitin-Like Protein

2G9A A Chain A, Structural Basis For The Specific Recognition Of Methylated Histone H3 Lysine 4 By The Wd-40 Protein Wdr5

4KHA A Chain A, Structural Basis Of Histone H2a-h2b Recognition By The Essential Chaperone Fact

1ZD9 A Chain A, Structure Of Human Adp-Ribosylation Factor-Like 10b

2IW8 A Chain A, Structure Of Human Thr160-Phospho Cdk2-Cyclin A F82h-L83v- H84d Mutant With An O6-Cyclohexylmethylguanine Inhibitor

3LJE A Chain A, The X-Ray Structure Of Zebrafish Rnase5

4BTJ A Chain A, Tbk1 In Complex With Atp

4BJ8 A Chain A, Zebavidin

4C84 A Chain A, Zebrafish Znr3 Ectodomain Crystal Form I

NP_955967.1 a disintegrin and metalloproteinase domain 17a precursor

NP_001186998.1 a disintegrin and metalloproteinase domain 8 precursor

XP_693535.6 A disintegrin and metalloproteinase with thrombospondin motifs 1

NP_001116746.1 A disintegrin and metalloproteinase with thrombospondin motifs 10 precursor

XP_001343371.4 A disintegrin and metalloproteinase with thrombospondin motifs 12

XP_006627309.1 A disintegrin and metalloproteinase with thrombospondin motifs 12-like

XP_002663267.3 A disintegrin and metalloproteinase with thrombospondin motifs 13

XP_005471432.1 A disintegrin and metalloproteinase with thrombospondin motifs 14

XP_006630404.1 A disintegrin and metalloproteinase with thrombospondin motifs 14-like

XP_005919640.1 A disintegrin and metalloproteinase with thrombospondin motifs 14-like isoform X1

XP_001341935.2 A disintegrin and metalloproteinase with thrombospondin motifs 15-like

XP_001922446.3 A disintegrin and metalloproteinase with thrombospondin motifs 16

XP_004565179.1 A disintegrin and metalloproteinase with thrombospondin motifs 16-like

XP_006053826.1 A disintegrin and metalloproteinase with thrombospondin motifs 17

XP_005170825.1 A disintegrin and metalloproteinase with thrombospondin motifs 17-like

XP_005172238.1 A disintegrin and metalloproteinase with thrombospondin motifs 17-like, partial

XP_001919066.2 A disintegrin and metalloproteinase with thrombospondin motifs 18

XP_004067580.1 A disintegrin and metalloproteinase with thrombospondin motifs 18-like

XP_700384.3 A disintegrin and metalloproteinase with thrombospondin motifs 2

XP_004563835.1 A disintegrin and metalloproteinase with thrombospondin motifs 20-like

XP_005174624.1 A disintegrin and metalloproteinase with thrombospondin motifs 2-like

XP_005174693.1 A disintegrin and metalloproteinase with thrombospondin motifs 2-like, partial

XP_005165504.1 A disintegrin and metalloproteinase with thrombospondin motifs 3 isoform X1

XP_004080602.1 A disintegrin and metalloproteinase with thrombospondin motifs 3-like

XP_005450094.1 A disintegrin and metalloproteinase with thrombospondin motifs 5

XP_001923204.1 A disintegrin and metalloproteinase with thrombospondin motifs 6

XP_005221536.1 A disintegrin and metalloproteinase with thrombospondin motifs 6 isoform X19

XP_004876466.1 A disintegrin and metalloproteinase with thrombospondin motifs 6-like

XP_006132175.1 A disintegrin and metalloproteinase with thrombospondin motifs 7

XP_005166643.1 A disintegrin and metalloproteinase with thrombospondin motifs 7-like

XP_001341878.1 A disintegrin and metalloproteinase with thrombospondin motifs 8

XP_006642343.1 A disintegrin and metalloproteinase with thrombospondin motifs 8-like
 XP_005450351.1 A disintegrin and metalloproteinase with thrombospondin motifs 9 isoform X1
 XP_004069012.1 A disintegrin and metalloproteinase with thrombospondin motifs 9-like
 XP_004545346.1 A disintegrin and metalloproteinase with thrombospondin motifs 9-like isoform X1
 XP_005814906.1 A disintegrin and metalloproteinase with thrombospondin motifs 9-like, partial
 EKC35633.1 A/G-specific adenine DNA glycosylase
 XP_003974154.1 A/G-specific adenine DNA glycosylase-like
 P32759.1 A1AT_CYPCA RecName: Full=Alpha-1-antitrypsin homolog; Flags: Precursor
 XP_005160285.1 A-agglutinin anchorage subunit-like
 NP_001116521.1 aarF domain containing kinase 1
 XP_005158716.1 aarF domain containing kinase 1 isoform X1
 XP_001336310.1 aarF domain containing kinase 3
 NP_001189455.1 aarF domain containing kinase 5
 XP_005159636.1 aarF domain containing kinase 5 isoform X1
 AAH95857.1 Aatf protein
 AAP92539.1 Ab1-108
 AFR69055.1 ABC transporter B family member 4, partial
 XP_005917433.1 ABC transporter F family member 4-like
 XP_005158593.1 ABC transporter G family member 20 isoform X1
 XP_687003.4 ABC transporter G family member 20 isoform X2
 ACB97645.1 Abcc4
 AAH66505.1 Abct2 protein
 QILV46.1 ABHEA_DANRE RecName: Full=Alpha/beta hydrolase domain-containing protein 14A;
 Short=Abhydrolase domain-containing protein 14A
 NP_001082792.1 abhydrolase domain containing 17Aa
 NP_001002744.1 abhydrolase domain containing 17B
 XP_689131.4 abhydrolase domain-containing protein 15-like
 NP_957208.1 abhydrolase domain-containing protein 2-A
 XP_005995771.1 abhydrolase domain-containing protein 3
 XP_004083914.1 abhydrolase domain-containing protein 3-like
 NP_001017613.1 abhydrolase domain-containing protein 4
 XP_005163656.1 abhydrolase domain-containing protein 4 isoform X1
 XP_005155763.1 abhydrolase domain-containing protein 8-like
 NP_001167230.1 Abhydrolase domain-containing protein FAM108B1
 NP_001133536.1 Abl interactor 1
 XP_005171242.1 abl interactor 1 isoform X10
 XP_005171235.1 abl interactor 1 isoform X3
 XP_004691373.1 abl interactor 1 isoform X6
 XP_004081709.1 abl interactor 1-like
 NP_001038762.1 abl interactor 2
 XP_005165837.1 abl interactor 2 isoform X9
 XP_005949283.1 abl interactor 2-like
 XP_005813545.1 abl interactor 2-like isoform X8
 NP_001116845.1 abnormal spindle-like microcephaly-associated protein
 XP_005805297.1 abnormal spindle-like microcephaly-associated protein homolog
 XP_005161794.1 abnormal spindle-like microcephaly-associated protein isoform X1
 XP_005465844.1 absent in melanoma 1 protein-like
 EMP31068.1 Absent in melanoma 1-like protein
 XP_003974782.1 absent in melanoma 1-like protein-like
 AAF13073.1 AC011621_1 putative retroelement pol polyprotein
 AAH66503.1 Acad8 protein, partial
 AA155202.1 Acadvl protein
 O42275.1 ACES_ELEEL RecName: Full=Acetylcholinesterase; Short=AChE; Flags: Precursor
 NP_957303.1 acetoacetyl-CoA synthetase
 XP_005165133.1 acetoacetyl-CoA synthetase isoform X1
 XP_004072129.1 acetoacetyl-CoA synthetase-like
 NP_956960.2 acetolactate synthase-like protein
 AH142536.1 acetylcholin receptor subunit alpha, partial
 AAA96704.1 acetylcholine receptor alpha-subunit
 NP_571520.1 acetylcholine receptor subunit alpha precursor
 AEN14504.1 acetylcholine receptor subunit beta 1
 XP_006627492.1 acetylcholine receptor subunit beta-like
 NP_996947.1 acetylcholine receptor subunit delta precursor
 XP_005165356.1 acetylcholine receptor subunit gamma isoform X1
 NP_001241879.1 acetylcholine receptor subunit gamma-like precursor
 XP_001343145.4 acetylcholinesterase collagenic tail peptide
 XP_005804731.1 acetylcholinesterase collagenic tail peptide-like
 XP_003454482.1 acetylcholinesterase collagenic tail peptide-like isoform X1
 XP_005314393.1 acetylcholinesterase-like, partial
 NP_001003746.1 acetyl-CoA acetyltransferase, mitochondrial precursor
 XP_006640957.1 acetyl-CoA carboxylase 1-like isoform X1
 XP_006799564.1 acetyl-CoA carboxylase 1-like isoform X5
 XP_684081.5 acetyl-CoA carboxylase 2 isoform X3
 XP_005940235.1 acetyl-CoA carboxylase 2-like
 XP_006640275.1 acetyl-CoA carboxylase 2-like isoform X2
 ADT82650.1 acetyl-CoA carboxylase alpha
 EAW62955.1 acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase), isoform CRA_f
 NP_001258237.1 acetyl-Coenzyme A carboxylase alpha

XP_005165611.1 acetyl-Coenzyme A carboxylase alpha isoform X4
 XP_006028020.1 acetyl-coenzyme A synthetase 2-like, mitochondrial
 ACN10810.1 Acetyl-coenzyme A synthetase 2-like, mitochondrial precursor
 NP_001264046.1 acetyl-coenzyme A synthetase, cytoplasmic
 XP_005162011.1 acetyl-coenzyme A synthetase, cytoplasmic isoform X4
 XP_005933248.1 acetyl-coenzyme A synthetase, cytoplasmic-like
 NP_957402.1 acetyl-coenzyme A transporter 1
 NP_001103947.1 acetylserotonin O-methyltransferase
 XP_003962071.1 acetylserotonin O-methyltransferase-like
 NP_571306.1 achaete-scute homolog 1b
 XP_004563455.1 achaete-scute homolog 1b-like
 XP_005915819.1 achaete-scute homolog 4-like
 XP_006801957.1 achaete-scute homolog 5-like
 P13908.1 ACHN2_CARAU RecName: Full=Neuronal acetylcholine receptor subunit non-alpha-2; AltName: Full=GFN-alpha-2; Flags: Precursor
 P18257.1 ACHN3_CARAU RecName: Full=Neuronal acetylcholine receptor subunit non-alpha-3; AltName: Full=GFN-alpha-3; Flags: Precursor
 XP_005157851.1 acid phosphatase-like 2 isoform X1
 XP_005157852.1 acid phosphatase-like 2 isoform X2
 XP_003440396.1 acid trehalase-like protein 1-like
 XP_005941734.1 acid trehalase-like protein 1-like isoform X1
 XP_003444664.1 acidic fibroblast growth factor intracellular-binding protein-like isoform X1
 XP_006628808.1 acidic leucine-rich nuclear phosphoprotein 32 family member A-like isoform X3
 ACO07463.1 Acidic leucine-rich nuclear phosphoprotein 32 family member B
 XP_006629856.1 acidic leucine-rich nuclear phosphoprotein 32 family member B-like isoform X15
 XP_004572282.1 acidic leucine-rich nuclear phosphoprotein 32 family member E-like isoform X2
 XP_006628509.1 acidic mammalian chitinase-like
 NP_999955.1 acid-sensing ion channel 1
 XP_002935779.1 acid-sensing ion channel 1 isoform X1
 XP_005161724.1 acid-sensing ion channel 1 isoform X2
 XP_004079533.1 acid-sensing ion channel 1-like
 XP_004068864.1 acid-sensing ion channel 1-like isoform 1
 XP_004547677.1 acid-sensing ion channel 1-like isoform X3
 NP_999953.1 acid-sensing ion channel 2
 XP_005164179.1 acid-sensing ion channel 2 isoform X1
 XP_004454971.1 acid-sensing ion channel 2-like isoform 1
 XP_006803054.1 acid-sensing ion channel 2-like isoform X2
 XP_004918664.1 acid-sensing ion channel 2-like isoform X3
 NP_999952.1 acid-sensing ion channel 4
 XP_006799168.1 acid-sensing ion channel 4-like
 ACO09534.1 ACN9 protein homolog, mitochondrial precursor
 Q5XIY4.1 ACN9_DANRE RecName: Full=Protein ACN9 homolog, mitochondrial; Flags: Precursor
 XP_004397473.1 aconitate hydratase, mitochondrial
 XP_006636944.1 aconitate hydratase, mitochondrial-like
 ACSF2_DANRE RecName: Full=Acyl-CoA synthetase family member 2, mitochondrial; Flags: Precursor
 Q0P4F7.1 Precursor
 Q5RG49.1 ACSF4_DANRE RecName: Full=Acyl-CoA synthetase family member 4
 AAH55392.1 AcsI4I protein
 Q7ZV17.2 ACTB1_DANRE RecName: Full=Actin, cytoplasmic 1; AltName: Full=Beta-actin-1; Contains: RecName: Full=Actin, cytoplasmic 1, N-terminally processed
 NP_001070755.2 actin filament associated protein 1-like
 XP_005173313.1 actin filament associated protein 1-like 1a isoform X1
 XP_005161361.1 actin filament associated protein 1-like 1b isoform X1
 XP_004086821.1 actin filament-associated protein 1-like
 XP_005173382.1 actin filament-associated protein 1-like 1-like isoform X2
 XP_005167310.1 actin filament-associated protein 1-like 2-like
 XP_005156315.1 actin filament-associated protein 1-like 2-like isoform X2
 XP_005156284.1 actin filament-associated protein 1-like isoform X1
 XP_005156285.1 actin filament-associated protein 1-like isoform X2
 NP_958917.1 actin related protein 2/3 complex, subunit 5B
 XP_005169136.1 actin related protein 2/3 complex, subunit 5-like, a isoform X1
 ERE72071.1 actin, alpha cardiac muscle 1-like protein
 XP_004550611.1 actin, alpha cardiac-like isoform X1
 NP_001090226.1 actin, alpha skeletal muscle 2
 XP_005154238.1 actin, alpha skeletal muscle B-like isoform X2
 XP_004565348.1 actin, aortic smooth muscle-like
 XP_003455997.2 actin, cytoplasmic 2
 XP_004742489.1 actin, gamma-enteric smooth muscle
 EPQ09689.1 Actin-2
 EGW04457.1 Actin-binding LIM protein 1
 XP_005157096.1 actin-binding LIM protein 1 isoform X1
 XP_006630950.1 actin-binding LIM protein 1-like
 XP_004559753.1 actin-binding LIM protein 1-like isoform X1
 XP_006799022.1 actin-binding LIM protein 1-like isoform X6
 XP_005935606.1 actin-binding LIM protein 1-like isoform X8
 XP_005949252.1 actin-binding LIM protein 2-like
 XP_005753240.1 actin-binding LIM protein 2-like isoform X1
 XP_005753241.1 actin-binding LIM protein 2-like isoform X2
 XP_004575060.1 actin-binding LIM protein 2-like isoform X3

XP_006138178.1 actin-binding LIM protein 3 isoform X8
 XP_003199968.2 actin-binding LIM protein 3-like
 XP_003200004.2 actin-binding LIM protein 3-like isoform X1
 XP_005173385.1 actin-binding LIM protein 3-like isoform X3
 NP_001107093.1 actin-binding protein IPP
 XP_006634958.1 actin-binding protein IPP-like
 NP_001003986.1 actin-binding Rho-activating protein
 XP_005170633.1 actin-like 6B isoform X1
 EPY81936.1 actin-like protein 6A isoform 1
 XP_006637533.1 actin-like protein 6A-like
 XP_004570293.1 actin-like protein 6A-like isoform X3
 NP_001184183.1 actinodin1 precursor
 NP_001104660.1 actinodin2 precursor
 NP_001020682.1 actinodin3 precursor
 XP_006632279.1 actin-related protein 10-like
 EMP32918.1 Actin-related protein 2
 XP_005164068.1 actin-related protein 2/3 complex subunit 1A isoform X1
 XP_006635452.1 actin-related protein 2/3 complex subunit 1A-like
 NP_998321.1 actin-related protein 2/3 complex subunit 1B
 EHB07728.1 Actin-related protein 2/3 complex subunit 2
 NP_001017542.1 actin-related protein 2-B
 XP_003963859.1 actin-related protein 2-B-like isoform 1
 XP_003963860.1 actin-related protein 2-B-like isoform 2
 XP_005162538.1 actin-related protein 3B isoform X1
 XP_006634504.1 actin-related protein 3B-like isoform X1
 XP_004570799.1 actin-related protein 3B-like isoform X2
 NP_001187575.1 actin-related protein 3-feb complex subunit 1a
 ADO27778.1 actin-related protein 3-feb complex subunit 1b
 XP_006636321.1 actin-related protein 3-like isoform X1
 XP_003979810.1 actin-related protein 3-like, partial
 XP_006639773.1 actin-related protein 5-like
 NP_001187481.1 actin-related protein 6
 NP_001133630.1 actin-related protein 8
 XP_003963051.1 actin-related protein 8-like
 XP_003280172.2 activated CDC42 kinase 1
 XP_005162839.1 activated CDC42 kinase 1-like
 XP_005163740.1 activated CDC42 kinase 1-like isoform X2
 XP_005157561.1 activated leukocyte cell adhesion molecule b isoform X1
 AAT72821.1 activated RNA polymerase II transcription cofactor 4
 XP_006802614.1 activated RNA polymerase II transcriptional coactivator p15-like
 XP_005795962.1 activating molecule in BECN1-regulated autophagy protein 1-like
 NP_001017610.1 activating signal cointegrator 1 complex subunit 1
 NP_956736.1 activating signal cointegrator 1 complex subunit 2
 XP_005165126.1 activating signal cointegrator 1 complex subunit 2 isoform X1
 XP_005813296.1 activating signal cointegrator 1 complex subunit 2-like
 XP_002664072.3 activating signal cointegrator 1 complex subunit 3
 XP_003454919.1 activating signal cointegrator 1 complex subunit 3 isoform X1
 XP_006626087.1 activating signal cointegrator 1 complex subunit 3-like
 XP_002664814.2 activating signal cointegrator 1 complex subunit 3-like, partial
 XP_006793919.1 activating signal cointegrator 1-like
 AAS57931.1 activating transcription factor 4
 NP_001071188.1 activating transcription factor 6 beta
 ACX35597.1 activating transcription factor 6-like protein
 XP_005166108.1 activating transcription factor 7b isoform X3
 XP_005160098.1 activating transcription factor 7-interacting protein 1 isoform X1
 NP_001187114.1 activation-induced cytidine deaminase
 XP_004610288.1 activator of 90 kDa heat shock protein ATPase homolog 1
 ADO28097.1 activator of 90 kda heat shock protein ATPase-like protein 1
 NP_001018383.1 activator of basal transcription 1
 XP_004086406.1 activator of basal transcription 1-like
 XP_005172079.1 active breakpoint cluster region-related protein isoform X2
 XP_005172080.1 active breakpoint cluster region-related protein isoform X3
 XP_005932044.1 active breakpoint cluster region-related protein-like
 XP_006640908.1 active breakpoint cluster region-related protein-like isoform X3
 AAI63377.1 Activin A receptor, type IB
 ABC72405.1 activin beta A precursor
 ABC72406.1 activin beta B precursor
 CCJ67612.1 activin receptor IIa
 ACN43607.1 activin receptor type IIA isoform 2
 ACN43610.1 activin receptor type IIA isoform 5
 ACI23559.1 activin receptor type IIB
 ACN11015.1 Activin receptor type-1 precursor
 XP_687633.4 activin receptor type-1B-like
 XP_005153787.1 activin receptor type-1C isoform X2
 XP_006636494.1 activin receptor type-1C-like
 XP_004555459.1 activin receptor type-1C-like isoform X1
 XP_002663359.3 activin receptor type-1C-like, partial
 NP_001135613.1 activin receptor type-2A precursor
 XP_005168757.1 activin receptor type-2A-like

XP_005026444.1 activin receptor type-2B isoform X1
 XP_002667626.1 activin receptor type-2B-like
 ACZ28496.1 Actn2
 XP_001923678.1 acyl carrier protein, mitochondrial isoform X1
 NP_942570.1 acylamino-acid-releasing enzyme
 XP_005811291.1 acylamino-acid-releasing enzyme-like
 XP_005478040.1 acylamino-acid-releasing enzyme-like isoform X2
 XP_005615162.1 acyl-CoA binding domain containing 6
 NP_001133736.1 Acyl-CoA dehydrogenase family member 10
 XP_006631178.1 acyl-CoA dehydrogenase family member 9, mitochondrial-like
 XP_005244706.1 acyl-CoA dehydrogenase family, member 10
 EMC79908.1 Acyl-CoA desaturase, partial
 XP_006630411.1 acyl-CoA desaturase-like
 ABC75579.1 acyl-CoA hydrolase
 XP_005726001.1 acyl-CoA synthetase family member 2, mitochondrial-like
 XP_005940374.1 acyl-CoA synthetase family member 2, mitochondrial-like isoform X1
 XP_690782.2 acyl-CoA synthetase family member 3, mitochondrial-like
 XP_005724296.1 acyl-CoA synthetase family member 3, mitochondrial-like isoform X1
 XP_698902.3 acyl-CoA synthetase family member 4
 XP_005732337.1 acyl-CoA synthetase family member 4-like
 NP_001003569.1 acyl-CoA synthetase long-chain family member 1
 XP_005168408.1 acyl-CoA synthetase long-chain family member 1 isoform X3
 NP_001139404.1 acyl-CoA synthetase long-chain family member 3b
 XP_005165168.1 acyl-CoA synthetase long-chain family member 4, like isoform X1
 NP_001074125.3 acyl-CoA synthetase short-chain family member 1
 XP_002721594.1 acyl-CoA synthetase short-chain family member 1-like
 XP_006268740.1 acyl-CoA synthetase short-chain family member 3, mitochondrial
 XP_006633667.1 acyl-CoA synthetase short-chain family member 3, mitochondrial-like
 XP_003452071.1 acyl-CoA synthetase short-chain family member 3, mitochondrial-like isoform X1
 AAH95856.1 Acyl-CoA thioesterase 11
 XP_005162769.1 acyl-CoA thioesterase 9, tandem duplicate 1 isoform X2
 XP_006625929.1 acyl-CoA:lysophosphatidylglycerol acyltransferase 1-like
 NP_998260.1 acyl-CoA-binding domain-containing protein 4
 NP_001018483.1 acyl-CoA-binding domain-containing protein 5A
 XP_005742083.1 acyl-CoA-binding domain-containing protein 5-like
 XP_004068497.1 acyl-CoA-binding domain-containing protein 6-like
 ADO28193.1 acyl-CoA-binding domain-containing protein 7
 NP_998162.1 acyl-Coenzyme A binding domain containing 3
 AAH71366.1 Acyl-Coenzyme A dehydrogenase, long chain
 XP_697559.4 acyl-Coenzyme A oxidase-like isoform X2
 XP_006638531.1 acyl-coenzyme A oxidase-like protein-like
 XP_005171231.1 acyl-coenzyme A thioesterase 11 isoform X1
 NP_001074272.1 acyl-coenzyme A thioesterase 13
 XP_005475113.1 acyl-coenzyme A thioesterase 1-like
 XP_006633540.1 acyl-coenzyme A thioesterase 2, mitochondrial-like
 XP_004556333.1 acyl-coenzyme A thioesterase 4-like isoform X1
 NP_001133328.1 Acyl-coenzyme A thioesterase 5
 NP_001006072.1 acyl-coenzyme A thioesterase 8
 NP_001074103.1 acyl-coenzyme A thioesterase THEM4
 ACB34075.1 Acylglycerol kinase, mitochondrial precursor
 AAH48895.2 Acylpeptide hydrolase
 NP_001187460.1 acylphosphatase-2 precursor
 XP_004570673.1 acylphosphatase-2-like isoform X1
 ADO27776.1 acyl-protein thioesterase 1
 NP_001187573.1 acyl-protein thioesterase 2
 XP_004558409.1 acylpyruvase FAHD1, mitochondrial-like
 AA152247.1 Adal protein
 AEO79846.1 ADAMTS15
 AEO79845.1 ADAMTS5
 XP_003198947.2 ADAMTS-like 3, partial
 XP_006629828.1 ADAMTS-like protein 1-like
 XP_004594727.1 ADAMTS-like protein 3
 XP_006628732.1 ADAMTS-like protein 3-like
 XP_006273362.1 ADAMTS-like protein 4-like
 XP_005461706.1 ADAMTS-like protein 5-like
 XP_004566415.1 ADAMTS-like protein 5-like isoform X1
 NP_001003628.1 adapter molecule crk
 XP_002663886.2 adapter protein CIKS isoform X1
 XP_003200712.2 adapter protein CIKS, partial
 XP_005925352.1 adaptin ear-binding coat-associated protein 1-like
 XP_004086148.1 adaptin ear-binding coat-associated protein 2-like
 Q5RGU1.1 ADCK3_DANRE RecName: Full=Chaperone activity of bc1 complex-like, mitochondrial;
 Short=Chaperone-ABC1-like; AltName: Full=aarF domain-containing protein kinase 3; Flags:
 Precursor
 AAQ91218.1 adducin 3 gamma
 NP_001187418.1 adenine phosphoribosyltransferase
 XP_694133.6 adenomatous polyposis coli protein 2
 XP_005155580.1 adenomatous polyposis coli protein isoform X2
 XP_005382211.1 adenomatous polyposis coli protein isoform X9

NP_991198.1	adenosine 3'-phospho 5'-phosphosulfate transporter 1 precursor
CBN81824.1	Adenosine 3'-phospho 5'-phosphosulfate transporter 2
NP_001122056.1	adenosine A1 receptor
NP_001035125.1	adenosine A2a receptor b
NP_001002646.1	adenosine deaminase
XP_687719.2	adenosine deaminase CECR1-A
NP_001028889.2	adenosine deaminase CECR1-A precursor
NP_001277142.1	adenosine deaminase domain-containing protein 1
XP_003457097.2	adenosine deaminase-like
NP_001028916.1	adenosine deaminase-like protein
ADO27979.1	adenosine kinase
ABD65567.1	adenosine kinase a
NP_997956.1	adenosine kinase isoform 1
XP_003448262.1	adenosine receptor A1-like
XP_005170260.1	adenosine receptor A2a-like
NP_001034902.1	adenosine receptor A2b
XP_004076761.1	adenosine receptor A2b-like
NP_954688.1	adenosylhomocysteinase
XP_005169121.1	adenylate cyclase activating polypeptide 1a isoform X1
NP_001161821.1	adenylate cyclase type 1
XP_004438438.1	adenylate cyclase type 1, partial
XP_004027895.1	adenylate cyclase type 10
XP_006636681.1	adenylate cyclase type 10-like
XP_003975351.1	adenylate cyclase type 1-like
XP_005912744.1	adenylate cyclase type 1-like isoform X1
XP_005796093.1	adenylate cyclase type 1-like isoform X2
NP_001093457.1	adenylate cyclase type 2
XP_005157938.1	adenylate cyclase type 2 isoform X1
XP_692173.5	adenylate cyclase type 2 isoform X3
XP_004074489.1	adenylate cyclase type 2-like
XP_006779835.1	adenylate cyclase type 2-like isoform X1
XP_004084073.1	adenylate cyclase type 2-like, partial
NP_001156014.1	adenylate cyclase type 3
XP_004569165.1	adenylate cyclase type 3-like isoform X1
XP_004542035.1	adenylate cyclase type 3-like isoform X2
XP_005172194.1	adenylate cyclase type 4-like, partial
NP_001165056.1	adenylate cyclase type 5
XP_004569029.1	adenylate cyclase type 5-like isoform X1
XP_006030803.1	adenylate cyclase type 6
XP_003963237.1	adenylate cyclase type 6-like
NP_001159744.1	adenylate cyclase type 7
XP_005169040.1	adenylate cyclase type 7 isoform X1
NP_001137224.1	adenylate cyclase type 8
ETE59624.1	Adenylate cyclase type 8, partial
XP_004656228.1	adenylate cyclase type 8-like isoform X1
XP_005746386.1	adenylate cyclase type 8-like isoform X3
XP_003201145.1	adenylate cyclase type 9
NP_001133179.1	adenylate kinase 1-2
NP_001017540.1	adenylate kinase 5, like
NP_001166036.1	adenylate kinase 7
XP_006632319.1	adenylate kinase 7-like
NP_001018480.1	adenylate kinase 8
XP_685909.5	adenylate kinase domain-containing protein 1
XP_005293507.1	adenylate kinase isoenzyme 1 isoform X1
ACM09766.1	Adenylate kinase isoenzyme 2, mitochondrial
NP_998464.1	adenylate kinase isoenzyme 4, mitochondrial
NP_001093554.1	adenylate kinase isoenzyme 5
NP_001187781.1	adenylate kinase isoenzyme 6
ACB72735.1	adenylosuccinate lyase
NP_775344.1	adenylosuccinate synthase, like
NP_999985.1	adenylosuccinate synthetase isozyme 1
NP_001133712.1	Adenylosuccinate synthetase isozyme 2
XP_005156610.1	adenylosuccinate synthetase isozyme 2 isoform X1
NP_956203.1	adenylyl cyclase-associated protein 1
XP_003447228.1	adenylyl cyclase-associated protein 1-like
XP_005159849.1	adenylyl cyclase-associated protein 2 isoform X1
XP_004074266.1	adenylyl cyclase-associated protein 2-like
ADO27867.1	adenylyltransferase and sulfurtransferase mocs3
XP_005167007.1	adherens junction-associated protein 1-like
XP_005167308.1	adipocyte enhancer-binding protein 1 isoform X1
XP_696022.6	adipocyte enhancer-binding protein 1 isoform X2
XP_001920886.2	adipocyte enhancer-binding protein 1-like
ACX47907.1	adipocyte fatty acid binding protein 4
ADO28343.1	adipocyte plasma membrane-associated protein
XP_006628355.1	adiponectin receptor protein 1-like isoform X2
XP_003445015.1	adiponectin receptor protein 2-like
ADY89608.1	adipose triglyceride lipase
XP_002665357.2	ADM2
XP_684417.1	ADM-like

NP_001091735.1	ADNP homeobox 2a
NP_001073482.1	ADNP homeobox 2b
XP_003511519.1	ADP/ATP translocase 1 isoform X1
XP_003452294.1	ADP/ATP translocase 1-like
XP_004545948.1	ADP/ATP translocase 2-like
XP_694757.3	ADP-dependent glucokinase
XP_005163014.1	ADP-dependent glucokinase isoform X3
XP_005940867.1	ADP-ribose pyrophosphatase, mitochondrial-like
CBN82129.1	ADP-ribosyl cyclase 1
XP_003439318.1	ADP-ribosyl cyclase 1-like
XP_006760137.1	ADP-ribosylation factor 1 isoform X1
ADO28219.1	ADP-ribosylation factor 4
XP_003448799.2	ADP-ribosylation factor 4-like
XP_003214148.1	ADP-ribosylation factor 5-like, partial
EMP35848.1	ADP-ribosylation factor GTPase-activating protein 1
NP_001032507.1	ADP-ribosylation factor GTPase-activating protein 2
XP_006002881.1	ADP-ribosylation factor GTPase-activating protein 3 isoform X2
XP_005157416.1	ADP-ribosylation factor interacting protein 2a isoform X2
EAW75237.1	ADP-ribosylation factor related protein 1, isoform CRA_e, partial
NP_001004000.2	ADP-ribosylation factor-binding protein GGA1
XP_003453853.1	ADP-ribosylation factor-binding protein GGA1-like isoform X1
XP_002661109.3	ADP-ribosylation factor-binding protein GGA3-like
XP_005925542.1	ADP-ribosylation factor-binding protein GGA3-like isoform X2
NP_001093453.1	ADP-ribosylation factor-like 14
XP_005155677.1	ADP-ribosylation factor-like 15b isoform X3
XP_001923547.1	ADP-ribosylation factor-like 15b isoformX2
XP_004942293.1	ADP-ribosylation factor-like 3 isoform X4
NP_001188241.1	ADP-ribosylation factor-like 4
AAH63973.1	ADP-ribosylation factor-like 4, like
XP_689144.3	ADP-ribosylation factor-like protein 10-like
ADO28116.1	ADP-ribosylation factor-like protein 11
NP_775379.1	ADP-ribosylation factor-like protein 13B
XP_004545777.1	ADP-ribosylation factor-like protein 13B-like isoform X1
XP_004543634.1	ADP-ribosylation factor-like protein 14-like
XP_005801531.1	ADP-ribosylation factor-like protein 16-like
NP_001187733.1	ADP-ribosylation factor-like protein 2
XP_006120904.1	ADP-ribosylation factor-like protein 3 isoform X1
XP_004081658.1	ADP-ribosylation factor-like protein 4C-like
NP_955938.1	ADP-ribosylation factor-like protein 4D
EPQ09112.1	ADP-ribosylation factor-like protein 5B
XP_003207097.1	ADP-ribosylation factor-like protein 5B-like
NP_001008733.1	ADP-ribosylation factor-like protein 6
NP_957406.1	ADP-ribosylation factor-like protein 6-interacting protein 1
XP_002662247.1	ADP-ribosylation factor-like protein 6-interacting protein 4-like isoform X1
XP_004692302.1	ADP-ribosylation factor-like protein 8B
ETE72852.1	ADP-ribosylation factor-like protein 8B, partial
NP_001038852.1	ADP-ribosylation factor-like protein 9
NP_001002517.1	ADP-ribosylation-like factor 6 interacting protein 5
NP_001082970.1	ADP-ribosylation-like factor 6 interacting protein 6
NP_001187900.1	ADP-sugar pyrophosphatase
P32251.1	ADRA2_CARAU RecName: Full=Alpha-2 adrenergic receptor; AltName: Full=Alpha-2 adrenoceptor; Short=Alpha-2 adrenoceptor
AAI63344.1	Adra2b protein
AAI63316.1	Adrenergic, alpha-2D-, receptor b
XP_005158229.1	adrenocorticotrophic hormone receptor isoform X1
CBN81168.1	adrenodoxin oxidoreductase, mitochondrial
XP_003447930.1	adrenodoxin-like protein, mitochondrial-like
NP_001123607.1	adrenomedullin 2a precursor
BAG2441.1	adrenomedullin 5
NP_001038583.1	adseverin
NP_001035455.1	advillin
XP_004545059.1	advillin-like isoform X1
XP_005804310.1	advillin-like isoform X2
AAG16878.1	AF003249_1 myosin heavy chain FM3A
AAD52005.1	AF017303_1 FMVIA
AAD27752.1	AF043641_1 p73
AAD47893.1	AF076473_1 metabotropic glutamate receptor
AAD34306.1	AF099908_1 transposase homolog
AAD24542.1	AF114830_1 MHC class II-associated invariant chain
AAD53033.1	AF115536_1 TAP1 protein
AAD53034.1	AF115537_1 TAP2 protein
AAD23572.1	AF123591_1 fertilization envelope outer layer protein
AAD25078.1	AF124396_1 R-cadherin precursor, partial
AAF98367.1	AF139597_1 somatostatin receptor type two
AAF23268.1	AF144012_1 prolactin receptor
AAF24169.1	AF148993_1 janus kinase 3
AAF73186.1	AF149832_1 glutamic acid decarboxylase isoform 65
AAF73187.1	AF149833_1 glutamic acid decarboxylase isoform 67
AAF73280.1	AF155066_1 aryl hydrocarbon receptor nuclear translocator 2A

AA053517.1	AF155577_1 proteasome subunit beta 12
AA056283.1	AF156787_1 pepsinogen A form IIa
AA056285.1	AF156789_1 H+/K+-ATPase alpha subunit
AA044341.1	AF160970_1 prominin
AA050434.1	AF168008_1 PEA3
AA051820.1	AF173017_1 N-type calcium channel alpha-1B cdB6 variant
AA040116.1	AF176324_1 truncated small nuclear ribonucleoprotein B'
AA056889.1	AF178012_1 TCR alpha variable region
AA056891.1	AF178014_1 TCR alpha variable region
AA056893.1	AF178016_1 TCR alpha variable region
AA056894.1	AF178017_1 TCR alpha variable region
AA056897.1	AF178020_1 TCR alpha variable region
AA056898.1	AF178021_1 TCR beta variable region, partial
AA056899.1	AF178022_1 TCR beta variable region, partial
AA056900.1	AF178023_1 TCR beta variable region
AA056902.1	AF178025_1 TCR beta variable region
AA056903.1	AF178026_1 TCR beta variable region
AA056904.1	AF178027_1 TCR beta variable region, partial
AA056905.1	AF178028_1 TCR beta variable region, partial
AA056906.1	AF178029_1 TCR beta variable region, partial
AA017482.1	AF189774_1 NLL-interacting factor isoform T2
AA04146.1	AF191906_1 lens major intrinsic protein
AA036772.1	AF210320_1 Slit3
AA01068.1	AF229359_1 corticotropin releasing factor receptor 1
AA01069.1	AF229360_1 corticotropin releasing factor receptor 2
AA01070.1	AF229361_1 corticotropin releasing factor receptor 3
AA058569.1	AF267126_1 cytochrome P450 3A45
AA075784.1	AF267496_1 alpha actin
AA047643.1	AF275939_1 progastricin
AA081264.1	AF280090_1 dopachrome tautomerase
AA031764.1	AF288368_1 thyrotropin-releasing hormone receptor 2
AA083071.2	AF288764_1 retinaldehyde dehydrogenase 2
AA024397.1	AF292032_1 HER-1 protein
AA035803.1	AF297189_1 Na/Pi cotransporter NaPi-IIb2
AA018446.1	AF302075_1 neprilysin-like peptidase alpha
AA028043.1	AF304131_1 transmembrane receptor Roundabout3
AA054865.1	AF306854_1 CCAAT/enhancer binding protein beta
AA040860.1	AF308934_1 Kv3.3 potassium channel subunit precursor
AA060684.1	AF316578_1 gag-protease
AA01923.1	AF318073_1 nonspecific cytotoxic cell receptor protein
AA015300.1	AF324478_1 receptor tyrosine kinase Fms
AA015301.1	AF324479_1 receptor tyrosine kinase Fms
AA075752.1	AF324540_1 luteinizing hormone receptor
AA075753.1	AF324541_1 FSH beta subunit
AA095605.1	AF329894_1 gonadotropin-releasing hormone receptor 2
AA027699.1	AF348156_1 Gli2
AA069693.1	AF354754_1 glypican Knypek
AA058879.1	AF355375_1 putative reverse transcriptase
AA027722.1	AF356351_1 sodium/potassium pump alpha subunit
AA01836.1	AF359429_1 claudin 11
AA013229.1	AF361751_1 AMPA receptor subunit 2b
AA095589.1	AF362684_1 IGDM enhancer 3a-binding transcription factor
AA053436.1	AF372653_1 prolactin hormone
AA051558.1	AF373021_1 preproinsulin
AA064495.1	AF389401_1 amyloid precursor protein
AA069765.1	AF390559_1 cytosolic malate dehydrogenase thermostable form
AA076993.1	AF392994_1 kruppel-like factor 4
AA088671.1	AF394058_1 neogenin
AA083380.1	AF395809_1 smoothened
XP_006626727.1	AF4/FMR2 family member 1-like
XP_002664429.2	AF4/FMR2 family member 2-like
XP_698757.6	AF4/FMR2 family member 3
XP_006631932.1	AF4/FMR2 family member 4-like
AA07367.1	AF410786_1 T-cell receptor beta C beta region
AA045766.1	AF411390_1 basic, immunoglobulin-like variable motif-containing protein
AA04169.1	AF412833_1 mismatch repair protein Msh2
AA04170.1	AF412834_1 mismatch repair protein Msh6
AA02240.1	AF414052_1 transglutaminase
AA011906.1	AF416370_1 ikaros
AA076663.2	AF422806_1 P100-like protein short variant
AA079825.1	AF427110_1 DachshundC
AA032047.1	AF439767_1 Xiap
AA035358.1	AF442732_1 putative GAG protein
AA035359.2	AF442732_2 lambda-recombinase-like protein
AA035360.1	AF442732_3 reverse transcriptase/ribonuclease H/putative methyltransferase
AA050804.1	AF453437_1 GABAa receptor gamma2 subunit
AA069982.1	AF465413_1 MAP/microtubule affinity-regulating kinase 3 long isoform
AA068899.1	AF472593_1 somatostatin receptor type five subtype C
AA076920.1	AF487540_1 protein kinase RICK

AAM34208.1 AF503912_1 polyprotein
AAM34209.1 AF503912_2 envelope protein
AAM34663.1 AF506219_1 valyl-tRNA synthetase
AAM34664.1 AF506220_1 valyl-tRNA synthetase
AAM33344.1 AF506734_1 glial fibrillary acidic protein
AAO65847.1 AF512506_1 class IIIB myosin short isoform
AAN71006.1 AF515276_1 plasminogen precursor
AAM55226.1 AF515834_1 CA protein
AAM70509.1 AF522297_1 cyclic nucleotide-gated channel modulatory subunit CNGA4a
XP_686655.5 afadin
NP_957129.2 afadin- and alpha-actinin-binding protein
XP_003197861.2 afadin- and alpha-actinin-binding protein-like
XP_683809.1 afadin- and alpha-actinin-binding protein-like isoform X2
XP_006625721.1 afadin-like
XP_005461549.1 afadin-like isoform X13
NP_001101926.3 AFG3(ATPase family gene 3)-like 1
EMP41931.1 AFG3-like protein 1
XP_006902932.1 AFG3-like protein 1-like
XP_005753012.1 AFG3-like protein 1-like isoform X2
NP_001104667.1 AFG3-like protein 2
XP_006897077.1 AFG3-like protein 2-like
XP_005172987.1 aflatoxin B1 aldehyde reductase member 2 isoform X1
NP_001139033.1 aftiphilin
XP_005160230.1 aftiphilin isoform X3
XP_006264971.1 aftiphilin isoform X4
XP_005815303.1 aftiphilin-like
EMC81108.1 Aggrecan core protein
XP_686182.6 aggrecan core protein isoform X2
XP_004539423.1 aggrecan core protein-like
Q7ZW00.2 AGK_DANRE RecName: Full=Acylglycerol kinase, mitochondrial; AltName: Full=Multiple substrate
lipid kinase; Short=MuLK; Short=Multi-substrate lipid kinase; Flags: Precursor
XP_006794107.1 agmatinase, mitochondrial-like
NP_001170923.1 agrin precursor
XP_004070299.1 agrin-like
XP_003963029.1 agrin-like, partial
XP_001922877.1 AH receptor-interacting protein-like
XP_005160633.1 AHA1, activator of heat shock protein ATPase homolog 1 isoform X1
XP_001342303.3 A-kinase anchor protein 1, mitochondrial-like
XP_695298.6 A-kinase anchor protein 10, mitochondrial isoform X3
XP_003976326.1 A-kinase anchor protein 10, mitochondrial-like
XP_005168040.1 A-kinase anchor protein 11 isoform X1
NP_001268717.1 A-kinase anchor protein 12 isoform 1
XP_684554.6 A-kinase anchor protein 13
XP_006885297.1 A-kinase anchor protein 13-like
XP_005727622.1 A-kinase anchor protein 13-like isoform X4
XP_003198954.2 A-kinase anchor protein 13-like, partial
XP_005595715.1 A-kinase anchor protein 17A-like isoform X1
NP_001191129.1 A-kinase anchor protein 2
XP_005520428.1 A-kinase anchor protein 5
XP_005158653.1 A-kinase anchor protein 6 isoform X2
XP_005158654.1 A-kinase anchor protein 6 isoform X3
XP_005158655.1 A-kinase anchor protein 6 isoform X4
XP_005456026.1 A-kinase anchor protein 6-like
XP_005173856.1 A-kinase anchor protein 7 isoform gamma-like
NP_998384.1 A-kinase anchor protein 8-like
XP_002665489.3 A-kinase anchor protein 9, partial
XP_006636213.1 A-kinase anchor protein 9-like
NP_001076514.1 A-kinase anchor protein SPHKAP
NP_001182096.1 akirin 2(2b)
NP_001187930.1 akirin-1
XP_005801337.1 akirin-2-like
NP_998390.1 aladin
XP_005801844.1 aladin-like
BAO51933.1 alanine aminotransferase
XP_006787044.1 alanine aminotransferase 1-like
NP_001092227.2 alanine aminotransferase 2
XP_006634294.1 alanine aminotransferase 2-like
XP_003200692.1 alanine and arginine-rich domain-containing protein-like
NP_001028922.1 alanine--glyoxylate aminotransferase 2, mitochondrial
XP_006627270.1 alanine--glyoxylate aminotransferase 2, mitochondrial-like
NP_001032646.1 alanine--glyoxylate aminotransferase 2-like 2
NP_001002331.1 alanine-glyoxylate aminotransferase a
XP_004564645.1 alanine--tRNA ligase, cytoplasmic-like
XP_001332388.5 alanine--tRNA ligase, mitochondrial
XP_006638564.1 alanine--tRNA ligase, mitochondrial-like
XP_006638189.1 alanyl-tRNA editing protein Aarsd1-like
AAH67149.1 Alas2 protein, partial
NP_001187825.1 alcohol dehydrogenase (NADP+) b
XP_003979646.1 alcohol dehydrogenase 1-like

XP_006799407.1 alcohol dehydrogenase 1-like isoform X1
 XP_006023757.1 alcohol dehydrogenase 4
 NP_571924.2 alcohol dehydrogenase class-3
 AA129187.1 Aldehyde dehydrogenase 16 family, member A1
 NP_001077015.1 aldehyde dehydrogenase 18A1
 NP_001038210.1 aldehyde dehydrogenase family 1 member A3
 ELK28587.1 Aldehyde dehydrogenase family 16 member A1
 XP_004071906.1 aldehyde dehydrogenase family 16 member A1-like
 XP_005164038.1 aldehyde dehydrogenase family 3 member B1 isoform X1
 NP_001133255.1 aldehyde dehydrogenase family 7 member A1 homolog
 XP_005162366.1 aldehyde dehydrogenase family 8 member A1 isoform X2
 XP_006264497.1 aldehyde dehydrogenase family 8 member A1 isoform X3
 NP_958879.1 aldehyde dehydrogenase family 9 member A1-A
 XP_005163288.1 aldehyde dehydrogenase family 9 member A1-B isoform X1
 NP_001265746.1 aldehyde oxidase
 AAI16560.1 Aldh2b protein
 AAH75877.1 Aldh3a2 protein
 NP_998380.1 aldolase a, fructose-bisphosphate, b
 ADO28178.1 aldose 1-epimerase
 XP_005953464.1 aldose 1-epimerase-like, partial
 ADO27791.1 aldose reductase
 XP_691964.5 ALK tyrosine kinase receptor
 XP_005477590.1 ALK tyrosine kinase receptor isoform X1
 XP_005158967.1 ALK tyrosine kinase receptor-like
 XP_005166897.1 alkaline ceramidase 1 isoform X1
 ADO28084.1 alkaline ceramidase 2
 XP_005169254.1 alkaline ceramidase 3
 BAG71476.1 alkaline phosphatase
 ACL36135.1 alkaline phosphatase, partial
 NP_001265768.1 alkaline phosphatase, tissue-nonspecific isozyme precursor
 XP_005158731.1 alkylated DNA repair protein alkB homolog 1 isoform X1
 XP_006992072.1 alkylated DNA repair protein alkB homolog 8
 XP_684243.5 alkylated DNA repair protein alkB homolog 8-like
 NP_956407.1 alkylidihydroxyacetonephosphate synthase, peroxisomal
 XP_005921518.1 alkylidihydroxyacetonephosphate synthase, peroxisomal-like
 NP_998048.1 alkylglycerol monoxygenase
 XP_005157815.1 alkylglycerol monoxygenase isoform X1
 XP_006636247.1 alkylglycerol monoxygenase-like
 NP_001002716.1 allantoinase
 XP_003444316.1 allantoinase, mitochondrial-like
 AAB61138.1 Allele: hi2
 AAB61137.1 Allele: hi4
 ADO28397.1 allograft inflammatory factor 1-like
 CAL18607.1 alpha 2,6-sialyltransferase ST6GalNAc I
 BAF44530.1 alpha 2,8-sialyltransferase VI
 XP_005164389.1 alpha globin regulatory element containing-like isoform X4
 CAN84679.2 alpha M integrin
 NP_001189382.1 alpha N-terminal protein methyltransferase 1B
 XP_005160815.1 alpha N-terminal protein methyltransferase 1B isoform X1
 XP_005155519.1 alpha-(1,3)-fucosyltransferase 10 isoform X1
 NP_001070642.1 alpha-(1,3)-fucosyltransferase 11 precursor
 XP_006643533.1 alpha-(1,3)-fucosyltransferase 11-like
 XP_006628193.1 alpha-(1,3)-fucosyltransferase 4-like
 XP_002665488.1 alpha-(1,3)-fucosyltransferase-like
 NP_001003855.1 alpha-(1,6)-fucosyltransferase
 XP_006632780.1 alpha-(1,6)-fucosyltransferase-like
 XP_005154252.1 alpha-(1,6)-fucosyltransferase-like isoform X1
 XP_004076318.1 alpha/beta hydrolase domain-containing protein 11-like
 NP_001032774.1 alpha/beta hydrolase domain-containing protein 13
 XP_004068562.1 alpha/beta hydrolase domain-containing protein 14A-like
 XP_005727329.1 alpha/beta hydrolase domain-containing protein 17A-like, partial
 XP_006001729.1 alpha/beta hydrolase domain-containing protein 17B isoform X3
 XP_006804244.1 alpha/beta hydrolase domain-containing protein 17C-like
 BAA95444.1 alpha/beta hydroxylase
 NP_956919.1 alpha-1,2-mannosyltransferase ALG9
 NP_001032467.1 alpha-1,3-fucosyltransferase
 ABC94513.1 alpha-1,3-fucosyltransferase 9B
 NP_001135233.1 Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
 XP_691496.3 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A
 XP_004081630.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A-like
 NP_001002180.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B
 XP_006629754.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B-like
 NP_001007438.1 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
 NP_001077344.1 alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
 NP_001038776.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
 XP_004066622.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A-like
 XP_002667184.2 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B
 XP_005171711.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like

XP_005470056.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like isoform X1
 XP_004539322.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like isoform X2
 XP_004084557.1 alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B-like, partial
 XP_001341532.2 alpha-1A adrenergic receptor
 XP_001338938.2 alpha-1A adrenergic receptor-like
 XP_001922207.2 alpha-1-antitrypsinase 2-like
 ACJ05607.1 alpha-1-antitrypsin
 ELV12293.1 Alpha-1B adrenergic receptor
 XP_001922013.3 alpha-1B adrenergic receptor-like
 NP_001007359.1 alpha-1B-adrenergic receptor
 XP_697043.2 alpha-1D adrenergic receptor
 XP_006022311.1 alpha-1-syntrophin
 XP_002662604.3 alpha-1-syntrophin-like
 XP_004571257.1 alpha-2 adrenergic receptor-like
 NP_001098239.1 alpha-2,3-sialyltransferase ST3Gal I
 CAG25680.1 alpha-2,6-sialyltransferase ST6GalNAc II
 CAG25678.1 alpha-2,6-sialyltransferase ST6GalNAc III
 NP_001117688.1 alpha-2,8-polysialyltransferase IV
 XP_005161038.1 alpha-2,8-sialyltransferase 8E isoform X1
 XP_688797.1 alpha-2-antiplasmin
 XP_006633435.1 alpha-2B adrenergic receptor-like
 NP_997522.1 alpha-2C adrenergic receptor
 AAR00337.1 alpha-2-macroglobulin
 XP_003453808.1 alpha-2-macroglobulin receptor-associated protein-like
 BAA85038.1 alpha-2-macroglobulin-1
 BAA85039.1 alpha-2-macroglobulin-2
 BAA85040.1 alpha-2-macroglobulin-3
 XP_001921577.3 alpha-2-macroglobulin-like
 NP_001106498.1 alpha-2-macroglobulin-like 1
 XP_001923676.1 alpha-2-macroglobulin-like isoform 1
 NP_001093623.2 alpha-2-macroglobulin-like precursor
 XP_006009158.1 alpha-2-macroglobulin-like protein 1-like
 XP_005157599.1 alpha-2-macroglobulin-P-like isoform X2
 AAG23866.1 alpha-A crystallin
 ETE68098.1 Alpha-actinin, sarcomeric, partial
 XP_005686167.1 alpha-actinin-1
 XP_005157053.1 alpha-actinin-1 isoform X1
 XP_005071885.1 alpha-actinin-2
 XP_005989772.1 alpha-actinin-2 isoform X2
 XP_005291240.1 alpha-actinin-2 isoform X3
 XP_004077363.1 alpha-actinin-2-like
 XP_006805582.1 alpha-actinin-3-like
 XP_004079913.1 alpha-actinin-3-like isoform 3
 XP_003447596.1 alpha-actinin-3-like isoform X2
 XP_005086300.1 alpha-actinin-4
 EPY90222.1 alpha-actinin-4 isoform 1
 XP_006801335.1 alpha-actinin-4-like
 XP_005161000.1 alpha-adducin isoform X5
 XP_005161001.1 alpha-adducin isoform X6
 NP_997889.1 alpha-amino adipic semialdehyde dehydrogenase
 XP_003759553.1 alpha-amino adipic semialdehyde dehydrogenase isoform 1
 ACO09369.1 Alpha-aspartyl dipeptidase
 ERE83501.1 alpha-catalin
 XP_005057923.1 alpha-enolase isoform X2
 XP_004068558.1 alpha-enolase-like isoform 2
 ELV10848.1 Alpha-globin transcription factor CP2
 XP_006790719.1 alpha-intermexin-like
 NP_001243613.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 2
 XP_003451774.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 2-like isoform X1
 XP_687075.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 4
 NP_001005390.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 6
 XP_006627745.1 alpha-ketoglutarate-dependent dioxygenase alkB homolog 6-like, partial
 NP_001187785.1 alpha-ketoglutarate-dependent dioxygenase alkB-like protein 3
 XP_001345910.4 alpha-ketoglutarate-dependent dioxygenase FTO
 XP_001923689.3 alpha-L-iduronidase
 NP_956670.1 alpha-L-iduronidase precursor
 XP_698084.4 alpha-mannosidase 2C1-like
 ELW62822.1 Alpha-mannosidase 2x
 XP_005163041.1 alpha-mannosidase 2x isoform X4
 NP_001018462.1 alpha-methylacyl-CoA racemase
 NP_001032465.2 alpha-N-acetylgalactosaminidase
 XP_002748835.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
 XP_005471539.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1-like
 XP_003199684.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2
 XP_005453713.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2-like
 NP_997790.1 alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3
 NP_001133710.1 Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6

NP_001187694.1 alpha-n-acetylgalactosaminide alpha-26-sialyltransferase 5
 ETE58649.1 Alpha-N-acetylglucosaminidase
 ERE68426.1 alpha-N-acetylglucosaminidase-like protein
 XP_003445001.1 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase-like isoform X1
 NP_001038835.1 alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3-N-acetyl-galactosaminide alpha-2,6-sialyltransferase
 ELK18036.1 Alpha-parvin
 XP_005578652.1 alpha-parvin isoform X1
 XP_002662648.3 alpha-protein kinase 1-like
 XP_002665396.2 alpha-protein kinase 3 isoform X1
 XP_005159361.1 alpha-protein kinase 3 isoform X3
 XP_685270.2 alpha-sarcoglycan
 NP_956060.1 alpha-soluble NSF attachment protein
 NP_001092700.1 alpha-taxilin
 EPQ01996.1 Alpha-tectorin
 XP_689855.5 alpha-tectorin-like
 XP_005918838.1 alpha-tocopherol transfer protein-like isoform X1
 XP_005170075.1 alpha-tubulin N-acetyltransferase isoform X1
 XP_005170076.1 alpha-tubulin N-acetyltransferase isoform X2
 XP_006634311.1 ALS2 C-terminal-like protein-like
 XP_685064.6 alsin
 XP_002662342.2 alsin isoform X1
 XP_005165798.1 alsin isoform X3
 XP_006636829.1 alsin-like
 XP_004551573.1 altered inheritance of mitochondria protein 3-like isoform X1
 XP_005159172.1 ALX homeobox protein 1 isoform X1
 AAC44666.1 ALXA and HSDM
 F1QGH6.1 AMER2_DANRE RecName: Full=APC membrane recruitment protein 2; Short=Amer2; AltName: Full=Protein FAM123A
 ACN11035.1 Amidophosphoribosyltransferase precursor
 NP_001071066.1 amiloride-sensitive amine oxidase precursor
 CBN80783.1 Amiloride-sensitive cation channel 2-A, neuronal
 AAH95568.1 Amiloride-sensitive cation channel 4 b
 NP_997992.2 amine oxidase flavin-containing
 XP_686310.3 amine oxidase flavin-containing A
 XP_005949144.1 amine oxidase flavin-containing-like
 NP_001013573.3 amine oxidase, copper containing 2
 XP_687148.1 amine sulfotransferase
 XP_006636912.1 amine sulfotransferase-like
 NP_001187533.1 aminoacyl tRNA synthase complex-interacting multifunctional protein 1
 XP_005726977.1 aminoacyl tRNA synthase complex-interacting multifunctional protein 1-like
 XP_004549409.1 aminoacyl tRNA synthase complex-interacting multifunctional protein 1-like isoform X1
 XP_004549410.1 aminoacyl tRNA synthase complex-interacting multifunctional protein 1-like isoform X2
 ADO28113.1 aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
 ADO28384.1 aminoacyl tRNA synthetase complex-interacting multifunctional protein 2
 NP_001133433.1 aminoacylase-1
 NP_001167456.1 aminoadipate-semialdehyde synthase
 NP_001006021.1 aminomethyltransferase, mitochondrial
 NP_001082794.1 aminopeptidase N
 AGO18320.1 aminopeptidase N, partial
 XP_001920418.2 aminopeptidase N-like
 XP_682987.1 aminopeptidase N-like isoformX1
 NP_001116730.1 aminopeptidase O
 BAA03089.1 AML1-MTG8 fusion protein
 NP_957187.1 AMP deaminase 1
 XP_004070280.1 AMP deaminase 1-like isoform 2
 XP_005076683.1 AMP deaminase 2 isoform X1
 XP_700028.3 AMP deaminase 2 isoform X4
 XP_006628535.1 AMP deaminase 2-like
 XP_004544866.1 AMP deaminase 2-like isoform X1
 XP_004544867.1 AMP deaminase 2-like isoform X2
 ERE88710.1 AMP deaminase 3
 XP_003970058.1 AMP deaminase 3-like
 XP_005169103.1 AMP deaminase 3-like isoform X1
 XP_005459994.1 AMP deaminase 3-like isoform X2
 XP_684508.4 AMP deaminase 3-like isoform X3
 XP_005163540.1 amphiphysin isoform X2
 XP_005163541.1 amphiphysin isoform X3
 XP_005163542.1 amphiphysin isoform X4
 XP_001924023.1 amphoterin-induced protein 1
 XP_005162172.1 amphoterin-induced protein 3-like
 XP_699129.2 AMSH-like protease-like isoform X2
 EOA98818.1 AMY-1-associating protein expressed in testis 1, partial
 AAX37668.1 amylase
 AAH62867.1 Amylase, alpha 2A; pancreatic
 XP_005163674.1 amylo-1, 6-glucosidase, 4-alpha-glucanotransferase isoform X1
 XP_005163675.1 amylo-1, 6-glucosidase, 4-alpha-glucanotransferase isoform X2
 XP_001342921.4 amyloid beta (A4) precursor-like protein 1
 ELW63116.1 Amyloid beta A4 precursor protein-binding family A member 1

XP_004910831.1 amyloid beta A4 precursor protein-binding family A member 1 isoform X3
 XP_006640020.1 amyloid beta A4 precursor protein-binding family A member 1-like
 EPY80767.1 amyloid beta A4 precursor protein-binding family A member 2 isoform b
 XP_002662889.2 amyloid beta A4 precursor protein-binding family A member 2 isoform X1
 XP_002666954.2 amyloid beta A4 precursor protein-binding family A member 2-like
 NP_956928.1 amyloid beta A4 precursor protein-binding family B member 1-interacting protein
 XP_006630103.1 amyloid beta A4 precursor protein-binding family B member 2-like
 XP_005168433.1 amyloid beta A4 precursor protein-binding family B member 2-like isoform X1
 XP_693392.6 amyloid beta A4 precursor protein-binding family B member 2-like isoform X3
 XP_006787286.1 amyloid beta A4 precursor protein-binding family B member 2-like isoform X4
 XP_005173114.1 amyloid beta A4 precursor protein-binding family B member 2-like, partial
 XP_005161502.1 amyloid beta A4 precursor protein-binding family B member 3-like
 NP_571639.1 amyloid beta A4 protein precursor
 XP_006638001.1 amyloid beta A4 protein-like
 XP_003961768.1 amyloid beta A4 protein-like isoform 1
 XP_005730987.1 amyloid beta A4 protein-like isoform X2
 NP_997798.1 amyloid protein-binding protein 2
 BAF93906.1 amylopullulanase
 XP_006798245.1 AN1-type zinc finger protein 2B-like isoform X1
 ACN10766.1 AN1-type zinc finger protein 3
 XP_006118221.1 AN1-type zinc finger protein 4
 NP_998204.1 AN1-type zinc finger protein 5
 XP_005171883.1 AN1-type zinc finger protein 5 isoform X1
 XP_006628681.1 AN1-type zinc finger protein 6-like isoform X1
 NP_001188008.1 anamorsin
 NP_001254625.1 anaphase promoting complex subunit 10
 XP_005340307.1 anaphase-promoting complex subunit 1
 XP_001921168.2 anaphase-promoting complex subunit 1 isoform X1
 XP_005157123.1 anaphase-promoting complex subunit 1 isoform X2
 XP_005157124.1 anaphase-promoting complex subunit 1 isoform X3
 NP_001243675.1 anaphase-promoting complex subunit 2
 XP_005478906.1 anaphase-promoting complex subunit 4
 XP_005160576.1 anaphase-promoting complex subunit 4 isoform X2
 XP_005160577.1 anaphase-promoting complex subunit 4 isoform X3
 XP_005732386.1 anaphase-promoting complex subunit 4-like
 NP_955916.1 anaphase-promoting complex subunit 5
 EOA95230.1 Anaphase-promoting complex subunit 5, partial
 NP_001139989.2 Anaphase-promoting complex subunit 7
 NP_001187841.1 anaphase-promoting complex subunit CDC26
 NP_955984.2 ancient ubiquitous protein 1
 ACD86464.1 androgen receptor
 ABF50772.1 androgen receptor a
 XP_006632826.1 androgen receptor-like
 XP_690746.3 androgen-induced gene 1 protein
 ACO09042.1 Androgen-induced protein 1
 XP_683027.5 androglobin
 XP_006636698.1 angio-associated migratory cell protein-like
 NP_001073451.1 angiogenic factor with G patch and FHA domains 1
 NP_001187912.1 angiogenin-3 precursor
 XP_005173944.1 angiominin isoform X1
 XP_691871.6 angiominin isoform X3
 AA163299.1 Angiominin like 2
 XP_005171265.1 angiominin like 2b isoform X1
 XP_005689462.1 angiominin-like protein 1
 AA162238.1 Angiopoietin 2
 XP_005157143.1 angiopoietin 2a isoform X2
 XP_005159842.1 angiopoietin-1 isoform X2
 XP_006626701.1 angiopoietin-1 receptor-like
 XP_006635703.1 angiopoietin-1-like
 XP_005811948.1 angiopoietin-2-like
 XP_005453927.1 angiopoietin-2-like isoform X3
 XP_005170264.1 angiopoietin-4
 XP_006633307.1 angiopoietin-4-like
 NP_001119950.1 angiopoietin-like 2b precursor
 NP_001014821.1 angiopoietin-like 6 precursor
 XP_005160473.1 angiopoietin-related protein 1 isoform X1
 NP_001014820.1 angiopoietin-related protein 1 precursor
 XP_004540823.1 angiopoietin-related protein 1-like
 XP_002666042.3 angiopoietin-related protein 5 isoform X1
 XP_005161310.1 angiopoietin-related protein 5 isoform X2
 XP_005801216.1 angiopoietin-related protein 5-like
 XP_005752254.1 angiopoietin-related protein 5-like isoform X1
 NP_001006073.1 angiopoietin-related protein 7 precursor
 XP_005169416.1 angiotensin-converting enzyme 2 isoform X1
 XP_005169417.1 angiotensin-converting enzyme 2 isoform X2
 NP_001007298.1 angiotensin-converting enzyme 2 precursor
 XP_005169504.1 angiotensin-converting enzyme isoform X1
 XP_694336.5 angiotensin-converting enzyme isoform X2
 XP_005721705.1 angiotensin-converting enzyme-like isoform X2

NP_932329.1	angiotensinogen precursor
AAI63088.1	Angptl3 protein
XP_006037133.1	anion exchange protein 2
CBN82109.1	Anion exchange protein 2, partial
XP_006634388.1	anion exchange protein 2-like
XP_004552028.1	anion exchange protein 2-like isoform X9
XP_002662314.3	anion exchange protein 3-like
ABB90249.1	anion exchanger Ae2.1
ACI05563.1	anion exchanger SLC26A6
XP_693464.3	anionic trypsin-2-like
AAI55116.1	Ankrd10a protein
XP_006626059.1	ankycorbin-like
XP_005165700.1	ankyrin 1, erythrocytic isoform X2
XP_005165703.1	ankyrin 1, erythrocytic isoform X5
NP_001035135.2	ankyrin and armadillo repeat containing
XP_003199099.1	ankyrin repeat and BTB/POZ domain-containing protein 1-like
XP_005170768.1	ankyrin repeat and BTB/POZ domain-containing protein 2 isoform X3
XP_687881.4	ankyrin repeat and BTB/POZ domain-containing protein 2-like
NP_001038467.1	ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A
XP_005164706.1	ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A isoform X1
XP_005164707.1	ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A isoform X2
XP_006633214.1	ankyrin repeat and BTB/POZ domain-containing protein BTBD11-A-like
XP_003200483.1	ankyrin repeat and BTB/POZ domain-containing protein BTBD11-B isoform X1
XP_005170017.1	ankyrin repeat and BTB/POZ domain-containing protein BTBD11-B isoform X2
EMC78446.1	Ankyrin repeat and death domain-containing protein 1A
XP_003198948.2	ankyrin repeat and death domain-containing protein 1A-like
XP_005165311.1	ankyrin repeat and death domain-containing protein 1B
XP_001923425.1	ankyrin repeat and EF-hand domain-containing protein 1
XP_006013054.1	ankyrin repeat and EF-hand domain-containing protein 1-like
CBN81321.1	Ankyrin repeat and fibronectin type-III domain-containing protein 1
XP_003199674.2	ankyrin repeat and fibronectin type-III domain-containing protein 1-like
XP_005171963.1	ankyrin repeat and FYVE domain-containing protein 1 isoform X2
EPQ09468.1	Ankyrin repeat and FYVE domain-containing protein 1, partial
XP_689771.4	ankyrin repeat and IBR domain-containing protein 1
NP_001186697.1	ankyrin repeat and KH domain-containing protein 1
XP_005161412.1	ankyrin repeat and KH domain-containing protein 1 isoform X1
XP_005730374.1	ankyrin repeat and LEM domain-containing protein 1-like
NP_001119867.1	ankyrin repeat and LEM domain-containing protein 2
XP_005172639.1	ankyrin repeat and LEM domain-containing protein 2-like isoform X1
XP_698425.5	ankyrin repeat and LEM domain-containing protein 2-like isoform X2
XP_697440.1	ankyrin repeat and MYND domain-containing protein 1
XP_006637813.1	ankyrin repeat and MYND domain-containing protein 1-like
XP_005951676.1	ankyrin repeat and MYND domain-containing protein 2-like
NP_001124137.1	ankyrin repeat and protein kinase domain-containing protein 1
XP_005157007.1	ankyrin repeat and protein kinase domain-containing protein 1-like isoform X1
XP_005174138.1	ankyrin repeat and SAM domain-containing protein 1A-like
XP_001343162.3	ankyrin repeat and SAM domain-containing protein 1A-like isoform X1
XP_005166207.1	ankyrin repeat and SAM domain-containing protein 1A-like isoform X2
XP_005731798.1	ankyrin repeat and SAM domain-containing protein 1A-like isoform X3
XP_005926283.1	ankyrin repeat and SAM domain-containing protein 1A-like isoform X4
NP_001108037.1	ankyrin repeat and SAM domain-containing protein 3
NP_001002188.1	ankyrin repeat and SAM domain-containing protein 4B
CBN81776.1	Ankyrin repeat and SAM domain-containing protein 6
XP_005466061.1	ankyrin repeat and SAM domain-containing protein 6-like isoform X2
XP_005164545.1	ankyrin repeat and SOCS box containing 15b isoform X1
ELW63542.1	Ankyrin repeat and SOCS box protein 1
NP_001070616.1	ankyrin repeat and SOCS box protein 10
XP_004542869.1	ankyrin repeat and SOCS box protein 10-like isoform X2
XP_006633346.1	ankyrin repeat and SOCS box protein 13-like
XP_005166792.1	ankyrin repeat and SOCS box protein 13-like isoform X1
XP_684802.4	ankyrin repeat and SOCS box protein 13-like isoform X2
XP_005931860.1	ankyrin repeat and SOCS box protein 14-like
XP_696789.5	ankyrin repeat and SOCS box protein 14-like isoform X2
XP_005163935.1	ankyrin repeat and SOCS box protein 16 isoform X1
XP_005167677.1	ankyrin repeat and SOCS box protein 18-like isoform X2
XP_006636753.1	ankyrin repeat and SOCS box protein 1-like
XP_001511093.1	ankyrin repeat and SOCS box protein 2
XP_005160666.1	ankyrin repeat and SOCS box protein 2 isoform X1
XP_696390.3	ankyrin repeat and SOCS box protein 2 isoform X2
XP_003200756.1	ankyrin repeat and SOCS box protein 2-like isoform X1
XP_005156258.1	ankyrin repeat and SOCS box protein 3 isoform X1
NP_001017628.1	ankyrin repeat and SOCS box protein 4
XP_005802805.1	ankyrin repeat and SOCS box protein 4-like
NP_001017753.1	ankyrin repeat and SOCS box protein 5
XP_005160042.1	ankyrin repeat and SOCS box protein 5 isoform X2
NP_999895.1	ankyrin repeat and SOCS box protein 7
XP_005172231.1	ankyrin repeat and SOCS box protein 7 isoform X1
XP_003448195.1	ankyrin repeat and SOCS box protein 8-like isoform X1
NP_001002528.1	ankyrin repeat and SOCS box-containing 13a, tandem duplicate 1

XP_005991394.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
XP_005164814.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B isoform X1
XP_005164816.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B isoform X3
XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B-like
XP_005167548.1	ankyrin repeat and zinc finger domain-containing protein 1 isoform X1
XP_003962026.1	ankyrin repeat and zinc finger domain-containing protein 1-like
NP_001070845.1	ankyrin repeat domain 10b
NP_001095858.1	ankyrin repeat domain-containing protein 1
ACN10643.1	Ankyrin repeat domain-containing protein 10
XP_006788380.1	ankyrin repeat domain-containing protein 10-like
XP_005166634.1	ankyrin repeat domain-containing protein 11 isoform X2
XP_005803121.1	ankyrin repeat domain-containing protein 11-like
XP_003448562.1	ankyrin repeat domain-containing protein 12 isoform X1
NP_001119859.1	ankyrin repeat domain-containing protein 13A
XP_003459247.2	ankyrin repeat domain-containing protein 13B-like
XP_004567065.1	ankyrin repeat domain-containing protein 13B-like isoform X1
XP_005151374.1	ankyrin repeat domain-containing protein 13C
XP_004561530.1	ankyrin repeat domain-containing protein 13C-A-like
XP_004545557.1	ankyrin repeat domain-containing protein 13D-like
XP_691388.3	ankyrin repeat domain-containing protein 13D-like isoform X3
ADO28873.1	ankyrin repeat domain-containing protein 16
XP_005806173.1	ankyrin repeat domain-containing protein 1-like
ADO29479.1	ankyrin repeat domain-containing protein 22
XP_693695.5	ankyrin repeat domain-containing protein 24
XP_001920876.2	ankyrin repeat domain-containing protein 26
XP_006641313.1	ankyrin repeat domain-containing protein 27-like
XP_005161765.1	ankyrin repeat domain-containing protein 29 isoform X1
XP_005157118.1	ankyrin repeat domain-containing protein 2-like
XP_005165597.1	ankyrin repeat domain-containing protein 32-like
XP_005165593.1	ankyrin repeat domain-containing protein 32-like isoform X2
XP_696682.1	ankyrin repeat domain-containing protein 33B
XP_689430.3	ankyrin repeat domain-containing protein 34B-like
XP_005477272.1	ankyrin repeat domain-containing protein 34B-like isoform X1
XP_001341377.1	ankyrin repeat domain-containing protein 40-like
ACO08501.1	Ankyrin repeat domain-containing protein 43
NP_991159.1	ankyrin repeat domain-containing protein 46
XP_002666119.1	ankyrin repeat domain-containing protein 46-like
XP_005807841.1	ankyrin repeat domain-containing protein 49-like
XP_696361.3	ankyrin repeat domain-containing protein 50
NP_001002578.1	ankyrin repeat domain-containing protein 54
XP_003443133.1	ankyrin repeat domain-containing protein 54-like
XP_001345419.4	ankyrin repeat domain-containing protein 55 isoform X1
XP_005806105.1	ankyrin repeat domain-containing protein 6-like
XP_005747827.1	ankyrin repeat domain-containing protein 6-like isoform X2
XP_005942169.1	ankyrin repeat domain-containing protein 6-like isoform X6
ADO28903.1	ankyrin repeat domain-containing protein 7
ACI67175.1	Ankyrin repeat domain-containing protein 9
XP_005173204.1	ankyrin repeat domain-containing protein SOWAHA-like
XP_004550431.1	ankyrin repeat domain-containing protein SOWAHB-like
XP_006638082.1	ankyrin repeat domain-containing protein SOWAHC-like
XP_002666566.2	ankyrin repeat domain-containing protein SOWAHC-like isoform X1
XP_005162506.1	ankyrin repeat domain-containing protein SOWAHC-like isoform X2
XP_005171884.1	ankyrin repeat family A protein 2 isoform X1
XP_005454246.1	ankyrin repeat, SAM and basic leucine zipper domain-containing protein 1-like isoform X2
XP_005286611.1	ankyrin-1
XP_004544681.1	ankyrin-1-like
XP_003200911.2	ankyrin-1-like isoform X1
XP_005161295.1	ankyrin-1-like isoform X2
XP_005161297.1	ankyrin-1-like isoform X4
XP_006784362.1	ankyrin-1-like isoform X9
ELK30876.1	Ankyrin-2
XP_697378.6	ankyrin-2-like
XP_005166638.1	ankyrin-2-like isoform X1
XP_005741253.1	ankyrin-2-like isoform X4
XP_005741256.1	ankyrin-2-like isoform X7
XP_004575928.1	ankyrin-2-like, partial
XP_006732716.1	ankyrin-3
XP_005156095.1	ankyrin-3 isoform X1
XP_005156099.1	ankyrin-3 isoform X5
XP_004551543.1	ankyrin-3-like isoform X1
AAH90778.1	Ankzf1 protein
AAO20277.1	annexin 13
ADO28398.1	annexin a1
NP_001187189.1	annexin A11
XP_003961221.1	annexin A11-like
NP_001019585.1	annexin A13
XP_005171227.1	annexin A13 isoform X1
XP_003453332.1	annexin A13-like
NP_861424.1	annexin A1b

NP_861425.1	annexin A1c
XP_005559748.1	annexin A2 isoform X1
NP_001188098.1	annexin a2-a
XP_004074200.1	annexin A2-like
NP_001188214.1	annexin a3
NP_001187187.1	annexin A4
ADO28448.1	annexin a5
NP_001107054.1	annexin A5a
NP_001187255.1	annexin A6
XP_005164542.1	anoctamin 2 isoform X1
XP_005164543.1	anoctamin 2 isoform X2
XP_005168948.1	anoctamin 5b isoform X1
NP_001155062.1	anoctamin-1
XP_005166653.1	anoctamin-1 isoform X1
XP_005166654.1	anoctamin-1 isoform X2
NP_001025377.1	anoctamin-10
XP_006797532.1	anoctamin-10-like
XP_005174445.1	anoctamin-1-like
XP_004556309.1	anoctamin-1-like isoform X2
XP_691954.6	anoctamin-2-like isoform X2
XP_003201518.1	anoctamin-3 isoform X1
XP_005163241.1	anoctamin-3 isoform X2
XP_004070012.1	anoctamin-5-like
XP_004575160.1	anoctamin-5-like isoform X1
XP_001345787.2	anoctamin-7
XP_684890.4	anoctamin-7 isoform X2
XP_006638013.1	anoctamin-7-like
XP_001922660.3	anoctamin-9-like
NP_571433.1	anosmin-1
NP_001098319.1	anosmin-1.1 precursor
P55202.1	ANPRB_ANGLE RecName: Full=Atrial natriuretic peptide receptor 2; AltName: Full=Atrial natriuretic peptide receptor type B; Short=ANP-B; Short=ANPR-B; Short=NPR-B; AltName: Full=Guanylate cyclase B; Short=GC-B; Flags: Precursor
BAF48786.1	anserine
ADO28264.1	anterior gradient protein 3-like protein
XP_006630370.1	anthrax toxin receptor 1-like
XP_001332841.4	anthrax toxin receptor 1-like isoform X1
XP_684145.3	anthrax toxin receptor 1-like isoform X2
NP_001038174.2	anthrax toxin receptor 2a precursor
NP_001096038.1	anthrax toxin receptor 2b precursor
XP_005729308.1	anthrax toxin receptor 2-like isoform X2
NP_919379.1	anti-apoptotic protein NR13
NP_571951.2	anti-dorsalizing morphogenic protein precursor
XP_002665053.1	antigen peptide transporter 1
XP_682981.1	antigen peptide transporter 2-like isoformX1
XP_005164741.1	antigen WC1.1-like
ACM08205.1	Antileukoproteinase precursor
XP_005158595.1	antimicrobial peptide NK-lysin-like
NP_001017568.2	antizyme inhibitor 1a
P49253.2	AOF_ONCMY RecName: Full=Amine oxidase
EPY85423.1	AP-1 complex subunit beta-1 isoform b
XP_004615580.1	AP-1 complex subunit beta-1 isoform X1
XP_005010696.1	AP-1 complex subunit beta-1 isoform X3
XP_004072419.1	AP-1 complex subunit beta-1-like
XP_006784341.1	AP-1 complex subunit beta-1-like isoform X2
XP_005748408.1	AP-1 complex subunit beta-1-like isoform X3
XP_006780176.1	AP-1 complex subunit gamma-1-like isoform X2
NP_001276787.1	AP-1 complex subunit gamma-like 2
XP_002660766.3	AP-1 complex subunit mu-1
XP_004079582.1	AP-1 complex subunit mu-1-like
XP_005945800.1	AP-1 complex subunit mu-2-like isoform X1
ADO27763.1	AP-1 complex subunit sigma-1a
EMP25691.1	AP-1 complex subunit sigma-2
XP_005719506.1	AP-1 complex-associated regulatory protein-like isoform X1
XP_006781926.1	AP-1 complex-associated regulatory protein-like isoform X2
AHB37084.1	AP-1 transcription factor c-Jun subunit
XP_007074351.1	AP-2 complex subunit alpha-1
XP_005401855.1	AP-2 complex subunit alpha-2 isoform X4
XP_003976089.1	AP-2 complex subunit alpha-2-like isoform 4
XP_004573166.1	AP-2 complex subunit alpha-2-like isoform X2
XP_006642808.1	AP-2 complex subunit alpha-2-like, partial
XP_004003146.1	AP-2 complex subunit mu isoform 1
XP_004542497.1	AP-2 complex subunit mu-A-like isoform X1
XP_005159313.1	AP-2 complex subunit mu-B isoform X1
XP_006032952.1	AP2-associated protein kinase 1
XP_005167372.1	AP2-associated protein kinase 1 isoform X4
XP_005167373.1	AP2-associated protein kinase 1 isoform X5
XP_006625539.1	AP2-associated protein kinase 1-like
XP_005451326.1	AP2-associated protein kinase 1-like isoform X1

Q5RJ20.1 AP2D_DANRE RecName: Full=Transcription factor AP-2-delta; Short=AP-2-delta
 XP_007066752.1 AP-3 complex subunit beta-1
 XP_005459762.1 AP-3 complex subunit beta-1-like isoform X2
 XP_006804829.1 AP-3 complex subunit beta-1-like, partial
 EPY75035.1 AP-3 complex subunit beta-2
 XP_003201441.2 AP-3 complex subunit beta-2 isoform X1
 XP_004943691.1 AP-3 complex subunit beta-2 isoform X2
 XP_005814220.1 AP-3 complex subunit beta-2-like
 XP_004570318.1 AP-3 complex subunit beta-2-like isoform X2
 XP_005931756.1 AP-3 complex subunit beta-2-like isoform X8
 XP_005806446.1 AP-3 complex subunit delta-1-like isoform X1
 XP_005806447.1 AP-3 complex subunit delta-1-like isoform X2
 NP_958449.1 AP-3 complex subunit mu-1
 XP_005802197.1 AP-3 complex subunit mu-2-like
 XP_004042424.1 AP-3 complex subunit sigma-1
 NP_001002539.1 AP-3 complex subunit sigma-2
 XP_005174349.1 AP-3 complex subunit sigma-2 isoform X1
 XP_001919684.2 AP-4 complex accessory subunit tepsin-like
 NP_956632.1 AP-4 complex subunit beta-1
 XP_006628423.1 AP-4 complex subunit beta-1-like
 XP_699042.2 AP-4 complex subunit epsilon-1
 XP_004070005.1 AP-4 complex subunit epsilon-1-like
 NP_001002672.1 AP-4 complex subunit mu-1
 XP_003459579.2 AP-4 complex subunit mu-1-like isoform X1
 XP_005158818.1 AP-4 complex subunit sigma-1 isoform X1
 XP_001919254.3 AP-5 complex subunit beta-1-like
 XP_005156643.1 AP-5 complex subunit sigma-1
 XP_003198198.1 AP-5 complex subunit zeta-1-like isoform X1
 ADO28410.1 apaf1-interacting protein-like protein
 XP_005172797.1 APC membrane recruitment protein 2-like
 ACT76163.1 apelin
 XP_002663233.1 apelin receptor A
 NP_001025368.2 apelin receptor B
 AAQ97743.1 APG5 autophagy 5-like protein
 XP_001337624.4 apical endosomal glycoprotein-like
 XP_685178.1 APOBEC1 complementation factor isoform 1
 XP_707799.1 APOBEC1 complementation factor isoform 2
 XP_005505249.1 APOBEC1 complementation factor isoform X2
 ACI66773.1 Apolipoprotein A-I-binding protein precursor
 NP_001073330.1 apolipoprotein A-IV precursor
 NP_001122230.1 apolipoprotein A-IV-like precursor
 NP_001013332.1 apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2a
 XP_694827.5 apolipoprotein B-100
 XP_005160686.1 apolipoprotein Bb isoform X1
 NP_001025233.1 apolipoprotein Bb, tandem duplicate 1 precursor
 ACI15894.1 apolipoprotein C-I
 XP_691110.1 apolipoprotein C-II isoform 1
 XP_005936691.1 apolipoprotein D-like
 BAL49819.1 apolipoprotein E receptor 2
 AFI92849.1 apolipoprotein E, partial
 ACI15893.1 apolipoprotein E-2
 NP_001025309.1 apolipoprotein L, 1
 XP_001339242.2 apolipoprotein L4
 ACI15897.1 apolipoprotein M
 NP_001032192.1 apolipoprotein O
 ACI68171.1 Apolipoprotein O precursor
 NP_001139091.1 apoptogenic protein 1, mitochondrial
 NP_955834.2 apoptosis inhibitor 5
 NP_001187866.1 apoptosis regulator bax
 XP_006634508.1 apoptosis regulator Bcl-2-like
 NP_001187845.1 apoptosis regulatory protein siva
 XP_005160816.1 apoptosis, caspase activation inhibitor isoform X1
 XP_003201484.1 apoptosis-enhancing nuclease-like
 NP_956396.2 apoptosis-inducing factor 1, mitochondrial
 XP_004557444.1 apoptosis-inducing factor 1, mitochondrial-like
 NP_001121885.1 apoptosis-inducing factor 3
 XP_003451714.1 apoptosis-inducing factor 3 isoform X1
 XP_006802096.1 apoptosis-inducing factor 3-like
 XP_005722286.1 apoptosis-inducing factor 3-like isoform X1
 NP_001186939.1 apoptosis-inducing factor, mitochondrion-associated 2
 XP_002663081.2 apoptosis-resistant E3 ubiquitin protein ligase 1-like
 XP_005160558.1 apoptosis-stimulating of p53 protein 1 isoform X1
 XP_004077415.1 apoptosis-stimulating of p53 protein 2-like
 XP_004551772.1 apoptosis-stimulating of p53 protein 2-like isoform X1
 NP_001191186.1 apoptosis-stimulating protein of p53-like
 XP_005172383.1 apoptotic chromatin condensation inducer in the nucleus isoform X3
 XP_694912.3 apoptotic chromatin condensation inducer in the nucleus isoform X4
 NP_571683.1 apoptotic protease-activating factor 1
 XP_005164826.1 apoptotic protease-activating factor 1 isoform X1

XP_005930272.1 apoptotic protease-activating factor 1-like isoform X1
 XP_005748622.1 aprataxin and PNK-like factor-like isoform X2
 BAC82110.1 aquaporin 1
 NP_001159593.1 aquaporin 3b
 NP_001028268.1 aquaporin 9a
 AGT57405.1 aquaporin-0a
 BAH89255.1 aquaporin-10
 ACB10577.1 aquaporin-10b
 ACO09336.1 Aquaporin-11
 XP_005815654.1 aquaporin-12-like
 XP_006626763.1 aquaporin-3-like
 NP_001003749.1 aquaporin-4
 XP_006796564.1 aquaporin-4-like
 XP_006786507.1 aquaporin-4-like isoform X2
 ADO28207.1 aquaporin-7
 BAH89254.1 aquaporin-8
 ACV66836.1 aquaporin-8aa
 XP_004067225.1 aquaporin-9-like
 NP_955912.1 arachidonate 12-lipoxygenase, 12S-type
 XP_006809123.1 arachidonate 12-lipoxygenase, 12S-type-like
 NP_001133304.1 Arachidonate 5-lipoxygenase
 XP_003458447.1 arachidonate 5-lipoxygenase-like
 XP_005157727.1 ARF GTPase-activating protein GIT1-like isoform X1
 XP_001648746.1 arf6 guanine nucleotide exchange factor
 XP_005170949.1 arfaptin-1 isoform X2
 XP_005170950.1 arfaptin-1 isoform X3
 XP_005155429.1 arfaptin-2 isoform X1
 XP_005472327.1 arfaptin-2-like isoform X3
 XP_006801841.1 arf-GAP domain and FG repeat-containing protein 1-like
 XP_006637953.1 arf-GAP domain and FG repeat-containing protein 1-like isoform X1
 XP_006786878.1 arf-GAP domain and FG repeat-containing protein 1-like isoform X3
 XP_005157808.1 arf-GAP domain and FG repeats-containing protein 1 isoform X1
 XP_005163306.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 isoform X1
 XP_004068010.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2-like
 XP_004565070.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2-like isoform X1
 NP_001076484.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3
 XP_004069218.1 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3-like
 XP_003456611.1 arf-GAP with dual PH domain-containing protein 1-like
 ADO28243.1 arf-gap with dual ph domain-containing protein 2
 AAH56768.1 ArfGAP with FG repeats 1
 XP_006893514.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
 XP_001921526.3 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform X1
 XP_005168789.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform X3
 XP_005168790.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform X4
 XP_005168791.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1 isoform X5
 XP_007116671.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1-like
 XP_003908169.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1-like, partial
 XP_005170277.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2 isoform X3
 XP_005170278.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2 isoform X4
 XP_005170279.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2 isoform X5
 XP_005469494.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2-like
 XP_005174237.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3 isoform X1
 XP_005206016.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3 isoform X2
 XP_006634249.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3-like
 XP_005912662.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3-like isoform X2
 XP_005721523.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3-like isoform X3
 XP_005721524.1 arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3-like isoform X4
 XP_005323222.1 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1
 XP_006628197.1 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1-like
 XP_005173968.1 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1-like isoform X2
 XP_002667258.3 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1-like, partial
 XP_688145.6 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 2-like
 XP_005173238.1 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 isoform X1
 XP_687312.3 arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 isoform X2
 XP_003201325.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isoform X1
 XP_690372.5 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isoform X2
 XP_005162662.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isoform X6
 XP_005922667.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1-like
 NP_001038672.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2
 XP_005158791.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2 isoform X2
 XP_005158792.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2 isoform X3
 XP_006626245.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2-like
 XP_005723979.1 arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2-like isoform X3
 XP_005163533.1 ArfGAP with SH3 domain, ankyrin repeat and PH domain 1a isoform X3

XP_005163535.1 ArfGAP with SH3 domain, ankyrin repeat and PH domain 1a isoform X5
 NP_001038398.2 ArfGAP with SH3 domain, ankyrin repeat and PH domain 2b
 XP_005160783.1 ArfGAP with SH3 domain, ankyrin repeat and PH domain 2b isoform X1
 XP_683692.1 Arg8-vasotocin receptor isoform X2
 XP_006633869.1 Arg8-vasotocin receptor-like
 XP_006632783.1 arginase, non-hepatic 3-like
 NP_955905.1 arginase-2, mitochondrial
 XP_004072400.1 arginine/serine-rich coiled-coil protein 2-like
 NP_001038773.1 arginine/serine-rich protein 1
 XP_004541695.1 arginine/serine-rich protein PNISR-like isoform X2
 XP_006035520.1 arginine-glutamic acid dipeptide repeats protein
 XP_001339825.3 arginine-glutamic acid dipeptide repeats protein isoform X1
 XP_004554274.1 arginine-glutamic acid dipeptide repeats protein-like isoform X4
 XP_005161466.1 arginine--tRNA ligase, cytoplasmic isoform X1
 XP_006632005.1 arginine--tRNA ligase, cytoplasmic-like
 ACO09172.1 Argininosuccinate lyase
 NP_001004603.1 argininosuccinate synthase
 XP_006789022.1 argininosuccinate synthase-like
 AGZ94902.1 argininosuccinate synthetase, partial
 XP_003200537.1 arginyl aminopeptidase-like 1-like
 ABX09996.1 arginyl-tRNA protein transferase
 NP_001133937.1 Arginyl-tRNA synthetase, cytoplasmic
 NP_001082937.1 arginyl-tRNA--protein transferase 1
 XP_006003696.1 arginyl-tRNA--protein transferase 1 isoform X4
 ABV22635.1 argonaute 2
 AFU66009.1 argonaute 3a
 ACO08836.1 ariadne-1 homolog
 ACI33785.1 ariadne-2 homolog
 AER27741.1 Arid1b
 XP_001340966.1 aristaless-like homeobox 4a
 CBN81880.1 Aristaless-related homeobox protein
 XP_002667096.1 aristaless-related homeobox protein-like
 AAH75770.1 Arl31 protein
 NP_001122006.1 armadillo repeat protein
 XP_701001.5 armadillo repeat protein deleted in velo-cardio-facial syndrome homolog
 XP_005473045.1 armadillo repeat protein deleted in velo-cardio-facial syndrome homolog isoform X6
 NP_001008609.1 armadillo repeat-containing protein 1
 XP_002666887.2 armadillo repeat-containing protein 10
 XP_683582.4 armadillo repeat-containing protein 2
 CBN81862.1 Armadillo repeat-containing protein 3
 XP_006634469.1 armadillo repeat-containing protein 3-like
 CBN81746.1 Armadillo repeat-containing protein 4
 XP_006634182.1 armadillo repeat-containing protein 4-like
 XP_683016.6 armadillo repeat-containing protein 6-like
 NP_001073151.1 armadillo repeat-containing protein 8
 AAI28807.1 Armt2 protein
 NP_998507.1 aromatic-L-amino-acid decarboxylase
 P51466.1 ARR1_ONCMY RecName: Full=Arrestin red cell isoform 1; AltName: Full=TrCarr 1
 BAM85926.1 arrestin 1
 BAM85927.1 arrestin 2
 XP_005171839.1 arrestin domain containing 1a isoform X1
 NP_001188367.1 arrestin domain containing 3-like
 XP_698551.4 arrestin domain-containing protein 1
 XP_006803585.1 arrestin domain-containing protein 1-like
 XP_005155999.1 arrestin domain-containing protein 2 isoform X1
 XP_006640012.1 arrestin domain-containing protein 2-like
 NP_001073498.1 arrestin domain-containing protein 3
 XP_003975299.1 arrestin domain-containing protein 3-like
 ABG78616.1 arsenate resistance protein SIRAS
 NP_001187373.1 arsenite methyltransferase
 XP_005163400.1 artemin-like
 AAI33878.1 Arx protein
 NP_001019987.1 aryl hydrocarbon receptor
 ACT79400.1 aryl hydrocarbon receptor 1
 NP_571339.1 aryl hydrocarbon receptor 2
 NP_001117156.1 aryl hydrocarbon receptor 2 alpha
 NP_001117028.1 aryl hydrocarbon receptor 2 beta
 NP_999877.1 aryl hydrocarbon receptor interacting protein
 ABD32160.1 aryl hydrocarbon receptor nuclear translocator 1
 AAT70730.1 aryl hydrocarbon receptor nuclear translocator 2b
 XP_005742915.1 aryl hydrocarbon receptor nuclear translocator 2-like isoform X3
 XP_003977660.1 aryl hydrocarbon receptor nuclear translocator-like
 AGS58202.1 aryl hydrocarbon receptor nuclear translocator-like 1a
 XP_004541277.1 aryl hydrocarbon receptor nuclear translocator-like isoform X2
 XP_005737662.1 aryl hydrocarbon receptor nuclear translocator-like protein 1-like isoform X1
 XP_004566147.1 aryl hydrocarbon receptor nuclear translocator-like protein 1-like isoform X3
 NP_571653.1 aryl hydrocarbon receptor nuclear translocator-like protein 2
 CBN81775.1 Aryl hydrocarbon receptor repressor
 XP_001923714.2 arylacetamide deacetylase-like

XP_005917919.1 arylacetamide deacetylase-like 4-like isoform X1
 AAT02159.1 arylalkylamine N-acetyltransferase
 AFR32910.1 arylalkylamine N-acetyltransferase-2, partial
 NP_001187827.1 arylamine n-acetyltransferase pineal gland isozyme nat-10
 XP_696456.3 arylamine N-acetyltransferase, pineal gland isozyme NAT-3
 NP_001030342.1 aryl-hydrocarbon receptor repressor a
 XP_003441617.1 aryl-hydrocarbon-interacting protein-like 1-like
 XP_004069735.1 arylsulfatase A-like
 NP_001167123.1 Arylsulfatase B precursor
 XP_006626785.1 arylsulfatase B-like
 XP_003199313.1 arylsulfatase D isoform X1
 XP_006637982.1 arylsulfatase D-like
 NP_001082874.1 arylsulfatase G precursor
 XP_692237.2 arylsulfatase I-like
 XP_688265.3 arylsulfatase J-like
 XP_005165576.1 arylsulfatase K isoform X1
 AAI53435.1 Asah1a protein
 Q9I9N6.1 ASC_DANRE RecName: Full=Apoptosis-associated speck-like protein containing a CARD; AltName: Full=PYD and CARD domain-containing protein
 E7F8F4.2 ASCC3_DANRE RecName: Full=Activating signal cointegrator 1 complex subunit 3
 XP_695808.3 asc-type amino acid transporter 1
 XP_687825.2 asc-type amino acid transporter 1-like
 XP_005155582.1 ash2-like isoform X1
 XP_005170656.1 asialoglycoprotein receptor 1-like
 XP_004539424.1 asialoglycoprotein receptor 2-like
 NP_001187284.1 asparaginase homolog precursor
 AAH52127.1 Asparagine synthetase
 XP_006807682.1 asparagine synthetase domain-containing protein 1-like
 XP_001349352.1 asparagine-rich antigen
 XP_005162461.1 asparagine--tRNA ligase, cytoplasmic isoform X1
 XP_005952239.1 asparagine--tRNA ligase, cytoplasmic-like
 NP_001116776.1 aspartate aminotransferase 1
 NP_998829.1 aspartate aminotransferase, cytoplasmic
 XP_686168.4 aspartate beta-hydroxylase domain-containing protein 2-like
 XP_003962102.1 aspartate--tRNA ligase, cytoplasmic-like
 XP_699804.3 aspartate--tRNA ligase, mitochondrial
 XP_006635092.1 aspartate--tRNA ligase, mitochondrial-like
 NP_001103573.1 aspartoacylase
 ADO28053.1 aspartoacylase-2a
 XP_003976323.1 aspartoacylase-like
 NP_001133447.1 aspartyl aminopeptidase
 NP_001133154.1 Aspartyl beta-hydroxylase-like precursor
 AFK10795.1 aspartyl-tRNA synthetase
 NP_001071079.1 aspartyl-tRNA synthetase, cytoplasmic
 NP_571788.2 asporin precursor
 XP_006631163.1 asporin-like
 ADO27780.1 astrocytic phosphoprotein pea-15
 XP_003197930.2 astrotactin-1
 XP_006803629.1 astrotactin-1-like
 XP_004565135.1 astrotactin-1-like isoform X6
 XP_005930190.1 astrotactin-2-like
 XP_006789045.1 astrotactin-2-like isoform X2
 XP_003198779.2 astrotactin-2-like, partial
 NP_001073670.1 AT rich interactive domain 5B (MRF1-like)
 P25489.1 AT1A1_CATCO RecName: Full=Sodium/potassium-transporting ATPase subunit alpha-1; Short=Na(+)/K(+) ATPase alpha-1 subunit; AltName: Full=Sodium pump subunit alpha-1; Flags: Precursor
 BAD91491.1 ataxia telangiectasia mutated
 XP_001333781.2 ataxin 1-like
 XP_005163857.1 ataxin 2-like isoform X2
 XP_005172962.1 ataxin 7-like 2a isoform X1
 AAI15133.1 Ataxin 7-like 3
 NP_001038291.1 ataxin-1
 XP_694194.1 ataxin-1 isoform X2
 NP_001124084.1 ataxin-10
 NP_001121821.1 ataxin-2
 XP_005165412.1 ataxin-2 isoform X1
 NP_957398.1 ataxin-3
 XP_005477053.1 ataxin-3-like isoform X2
 XP_003198263.2 ataxin-7-like protein 1-like
 XP_006125785.1 ataxin-7-like protein 3 isoform X1
 XP_005812786.1 ataxin-7-like protein 3-like
 Q503W7.2 ATD1B_DANRE RecName: Full=ATPase family AAA domain-containing protein 1-B
 XP_005163590.1 atherin-like
 XP_005159831.1 AT-hook DNA-binding motif-containing protein 1-like isoform X2
 XP_683935.4 AT-hook-containing transcription factor-like isoform X2
 XP_005157066.1 atlastin-1 isoform X1
 XP_005799266.1 atlastin-1-like isoform X1
 XP_006632468.1 atlastin-1-like isoform X2

XP_006739993.1 atlastin-2
 XP_006638603.1 atlastin-2-like
 NP_001006016.1 atlastin-3
 XP_005157289.1 atlastin-3 isoform X1
 XP_005159250.1 ATM interactor isoform X1
 XP_003970122.1 ATM interactor-like
 AAI17599.1 Atoh1a protein

 Q8AW52.1 ATOH7_DANRE RecName: Full=Protein atonal homolog 7; AltName: Full=Helix-loop-helix protein
 zATH-5; Short=zATH5; AltName: Full=Protein atonal homolog 5; AltName: Full=Protein lakritz

 NP_001158514.1 ATP synthase H+ transporting mitochondrial F1 complex gamma polypeptide 1
 ACO09076.1 ATP synthase lipid-binding protein, mitochondrial precursor
 XP_006637431.1 ATP synthase mitochondrial F1 complex assembly factor 2-like
 XP_003446142.1 ATP synthase subunit alpha, mitochondrial-like
 NP_001019600.2 ATP synthase subunit beta, mitochondrial
 NP_001187752.1 ATP synthase subunit d, mitochondrial
 XP_003277094.2 ATP synthase subunit delta, mitochondrial
 XP_003439905.1 ATP synthase subunit delta, mitochondrial-like
 XP_006639769.1 ATP synthase subunit epsilon, mitochondrial-like
 ACN09949.1 ATP synthase subunit f, mitochondrial
 NP_001187940.1 ATP synthase subunit g, mitochondrial
 NP_956335.1 ATP synthase subunit gamma, mitochondrial
 NP_001003843.1 ATP synthase subunit O, mitochondrial
 XP_006632462.1 ATP synthase subunit s, mitochondrial-like
 NP_001187544.1 ATP synthase-coupling factor 6, mitochondrial
 AAH85636.1 Atp2a1 protein
 AEQ38526.1 ATP4A
 XP_006111937.1 ATPase Asna1
 XP_006625621.1 ATPase family AAA domain-containing protein 1-A-like
 XP_003200296.2 ATPase family AAA domain-containing protein 2
 XP_002667470.2 ATPase family AAA domain-containing protein 2B
 XP_003441308.1 ATPase family AAA domain-containing protein 3-A-like
 XP_003198157.2 ATPase family AAA domain-containing protein 5 isoform X1
 NP_001076298.2 ATPase family, AAA domain containing 5b
 XP_005166234.1 ATPase family, AAA domain containing 5b isoform X1
 ABD83887.1 ATPase H+ transporting lysosomal V1 subunit H
 XP_003453269.1 ATPase inhibitor B, mitochondrial-like
 XP_002661161.1 ATPase SWSAP1-like
 NP_998085.1 ATPase WRNIP1
 XP_003975340.1 ATPase WRNIP1-like
 EDL17359.1 ATPase, Ca++ transporting, cardiac muscle, fast twitch 1, isoform CRA_c
 NP_001025448.1 ATPase, Ca++ transporting, cardiac muscle, slow twitch 2b
 XP_002723528.1 ATPase, class II, type 9B, partial
 NP_001080613.1 ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2
 AAH85541.1 ATPase, H+ transporting, lysosomal accessory protein 1
 ABZ10492.1 ATPase, H+ transporting, lysosomal accessory protein 1 precursor (predicted)
 NP_775372.1 ATPase, H+ transporting, lysosomal accessory protein 1b
 NP_001018502.1 ATPase, H+ transporting, lysosomal V0 subunit a isoform 1b
 NP_997837.1 ATPase, H+ transporting, lysosomal V0 subunit a1
 XP_005163855.1 ATPase, H+ transporting, lysosomal V0 subunit a1 isoform X1
 XP_002722562.1 ATPase, H+ transporting, V0 subunit-like
 NP_571764.1 ATPase, Na+/K+ transporting, alpha 1a polypeptide, tandem duplicate 4
 NP_571765.1 ATPase, Na+/K+ transporting, alpha 1b polypeptide
 XP_005170654.1 ATPase, Na+/K+ transporting, beta 2a polypeptide isoform X1
 NP_571745.1 ATPase, Na+/K+ transporting, beta 3b polypeptide

 Q9PTY0.1 ATPB_CYPCA RecName: Full=ATP synthase subunit beta, mitochondrial; Flags: Precursor

 XP_001920862.4 ATP-binding cassette sub-family A member 1
 XP_006636469.1 ATP-binding cassette sub-family A member 12-like
 XP_005934938.1 ATP-binding cassette sub-family A member 1-like
 XP_005172446.1 ATP-binding cassette sub-family A member 1-like, partial
 XP_005447927.1 ATP-binding cassette sub-family A member 2
 XP_005165286.1 ATP-binding cassette sub-family A member 2 isoform X2
 XP_005165287.1 ATP-binding cassette sub-family A member 2 isoform X3
 XP_005817377.1 ATP-binding cassette sub-family A member 2-like, partial
 XP_002661144.3 ATP-binding cassette sub-family A member 3
 XP_005744442.1 ATP-binding cassette sub-family A member 3-like
 XP_003449534.2 ATP-binding cassette sub-family A member 5
 XP_005156458.1 ATP-binding cassette sub-family A member 5 isoform X1
 XP_005932250.1 ATP-binding cassette sub-family A member 5-like
 XP_001343218.3 ATP-binding cassette sub-family B member 10, mitochondrial
 XP_006638519.1 ATP-binding cassette sub-family B member 10, mitochondrial-like
 XP_005167575.1 ATP-binding cassette sub-family B member 6, mitochondrial
 XP_005160347.1 ATP-binding cassette sub-family B member 6, mitochondrial isoform X1
 XP_005815659.1 ATP-binding cassette sub-family B member 6, mitochondrial-like
 XP_694879.2 ATP-binding cassette sub-family B member 7, mitochondrial
 XP_003970491.1 ATP-binding cassette sub-family B member 7, mitochondrial-like
 XP_005467914.1 ATP-binding cassette sub-family B member 7, mitochondrial-like isoform X2
 NP_001017544.1 ATP-binding cassette sub-family B member 8, mitochondrial

NP_001119906.1	ATP-binding cassette sub-family B member 9
XP_006277234.1	ATP-binding cassette sub-family C member 8
XP_006892096.1	ATP-binding cassette sub-family C member 8 isoform X1
XP_005308746.1	ATP-binding cassette sub-family C member 8 isoform X4
XP_005803356.1	ATP-binding cassette sub-family C member 8-like
XP_006642521.1	ATP-binding cassette sub-family C member 8-like isoform X1
XP_006642522.1	ATP-binding cassette sub-family C member 8-like isoform X2
XP_005734932.1	ATP-binding cassette sub-family C member 8-like isoform X3
XP_005164763.1	ATP-binding cassette sub-family C member 9 isoform X6
XP_006633226.1	ATP-binding cassette sub-family C member 9-like isoform X1
XP_006633227.1	ATP-binding cassette sub-family C member 9-like isoform X2
XP_004566464.1	ATP-binding cassette sub-family C member 9-like isoform X4
XP_005166771.1	ATP-binding cassette sub-family D member 1 isoform X1
XP_006633506.1	ATP-binding cassette sub-family D member 2-like
XP_005162899.1	ATP-binding cassette sub-family D member 3 isoform X2
XP_004699307.1	ATP-binding cassette sub-family D member 3 isoform X4
NP_001070185.2	ATP-binding cassette sub-family D member 4
XP_004541903.1	ATP-binding cassette sub-family D member 4-like isoform X5
ELV10318.1	ATP-binding cassette sub-family E member 1
XP_006629561.1	ATP-binding cassette sub-family E member 1-like
NP_998351.1	ATP-binding cassette sub-family F member 1
XP_005159666.1	ATP-binding cassette sub-family F member 1 isoform X1
EMP26316.1	ATP-binding cassette sub-family F member 2
XP_002667519.2	ATP-binding cassette sub-family F member 3-like
NP_001036240.1	ATP-binding cassette sub-family G member 2
XP_005461254.1	ATP-binding cassette sub-family G member 2 isoform X1
XP_005813953.1	ATP-binding cassette sub-family G member 2-like
XP_005472111.1	ATP-binding cassette subfamily G member 4 transporter protein isoform X1
NP_001122162.1	ATP-binding cassette sub-family G member 5
NP_001108041.2	ATP-binding cassette sub-family G member 8
NP_001108058.2	ATP-binding cassette, sub-family A (ABC1), member 1B
XP_005173137.1	ATP-binding cassette, sub-family A (ABC1), member 1B isoform X1
NP_001002206.1	ATP-binding cassette, sub-family A (ABC1), member 4a
CAK04959.1	ATP-binding cassette, sub-family B (MDR/TAP), member 3
NP_001006594.1	ATP-binding cassette, sub-family B (MDR/TAP), member 3 like 1
XP_005158095.1	ATP-binding cassette, sub-family B (MDR/TAP), member 4 isoform X1
AAH56740.1	ATP-binding cassette, sub-family C (CFTR/MRP), member 2
NP_001166118.2	ATP-binding cassette, sub-family C (CFTR/MRP), member 8
XP_005170744.1	ATP-binding cassette, sub-family C (CFTR/MRP), member 8 isoform X1
NP_001188290.1	ATP-binding cassette, sub-family F, member 2-like
NP_001034155.1	ATP-binding cassette, sub-family G (WHITE), member 2b
NP_001002649.1	ATP-citrate synthase
EPY82311.1	ATP-citrate synthase isoform 2
XP_004071615.1	ATP-citrate synthase-like
XP_003442075.1	ATP-citrate synthase-like isoform 1
XP_005928270.1	ATP-citrate synthase-like isoform X2
XP_005167514.1	ATP-dependent (S)-NAD(P)H-hydrate dehydratase isoform X3
NP_001004581.1	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial
ACN10807.1	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial precursor
XP_005809944.1	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial-like
NP_942102.1	ATP-dependent DNA helicase PIF1
NP_001038561.2	ATP-dependent DNA helicase Q1
XP_005164817.1	ATP-dependent DNA helicase Q1 isoform X1
XP_001920631.4	ATP-dependent DNA helicase Q4-like
XP_005457332.1	ATP-dependent DNA helicase Q4-like isoform X1
XP_005164331.1	ATP-dependent DNA helicase Q5 isoform X1
XP_694922.4	ATP-dependent DNA helicase Q5 isoform X2
XP_004071785.1	ATP-dependent DNA helicase Q5-like
XP_006819531.1	ATP-dependent DNA helicase RRM3-like, partial
NP_001082983.1	ATP-dependent metalloprotease YME1L1
NP_001188373.1	ATP-dependent RNA helicase A
XP_006634724.1	ATP-dependent RNA helicase A-like
NP_001184253.1	ATP-dependent RNA helicase DDX1
NP_001003411.1	ATP-dependent RNA helicase DDX18
XP_006641954.1	ATP-dependent RNA helicase DDX19B-like isoform X5
XP_003971613.1	ATP-dependent RNA helicase DDX1-like
XP_005916783.1	ATP-dependent RNA helicase DDX24-like
XP_007129490.1	ATP-dependent RNA helicase DDX39A isoform X2
XP_006631613.1	ATP-dependent RNA helicase DDX39A-like
XP_005994676.1	ATP-dependent RNA helicase DDX42 isoform X3
XP_005469003.1	ATP-dependent RNA helicase DDX42-like isoform X3
NP_001133236.1	ATP-dependent RNA helicase DDX51
NP_001158829.1	ATP-dependent RNA helicase DDX54
XP_006640359.1	ATP-dependent RNA helicase DDX54-like
NP_775336.1	ATP-dependent RNA helicase DDX55
XP_005720097.1	ATP-dependent RNA helicase DDX55-like
XP_697933.6	ATP-dependent RNA helicase DHX29
XP_006627124.1	ATP-dependent RNA helicase DHX29-like
XP_005070303.1	ATP-dependent RNA helicase DHX8

XP_005156370.1	ATP-dependent RNA helicase DHX8 isoform X2
XP_001920543.4	ATP-dependent RNA helicase DQX1
XP_006782210.1	ATP-dependent RNA helicase DQX1-like
NP_001077033.1	ATP-dependent RNA helicase SUPV3L1, mitochondrial precursor
XP_004539513.1	ATP-dependent RNA helicase SUPV3L1, mitochondrial-like
AAQ21196.1	ATP-gated ionotropic P2X receptor subunit 3.2
XP_002663107.3	ATP-sensitive inward rectifier potassium channel 10-like
XP_005918154.1	ATP-sensitive inward rectifier potassium channel 10-like isoform X1
XP_005803355.1	ATP-sensitive inward rectifier potassium channel 11-like
XP_002667440.3	ATP-sensitive inward rectifier potassium channel 12-like
XP_004543998.1	ATP-sensitive inward rectifier potassium channel 1-like
NP_001025324.1	ATP-sensitive inward rectifier potassium channel 8
ACI66448.1	Atrial natriuretic peptide clearance receptor precursor
XP_001337045.4	atrial natriuretic peptide receptor 1
NP_001038402.1	atrial natriuretic peptide receptor 1 precursor
XP_002666572.2	atrial natriuretic peptide receptor 1-like
XP_006634887.1	atrial natriuretic peptide receptor 2-like
XP_005461879.1	atrial natriuretic peptide receptor 3-like
XP_005028169.1	atrial natriuretic peptide-converting enzyme
XP_006629910.1	atrial natriuretic peptide-converting enzyme-like
XP_696565.6	AT-rich interactive domain-containing protein 1A
XP_006631332.1	AT-rich interactive domain-containing protein 1A-like
XP_004560007.1	AT-rich interactive domain-containing protein 1A-like isoform X1
XP_005160413.1	AT-rich interactive domain-containing protein 1B isoform X3
XP_005160414.1	AT-rich interactive domain-containing protein 1B isoform X4
XP_005937722.1	AT-rich interactive domain-containing protein 1B-like
XP_006275398.1	AT-rich interactive domain-containing protein 1B-like, partial
NP_001071231.1	AT-rich interactive domain-containing protein 2
XP_005164514.1	AT-rich interactive domain-containing protein 2 isoform X1
XP_006633688.1	AT-rich interactive domain-containing protein 2-like
XP_005683349.1	AT-rich interactive domain-containing protein 3A
XP_691265.5	AT-rich interactive domain-containing protein 3A-like
XP_005163184.1	AT-rich interactive domain-containing protein 3B isoform X1
XP_003969496.1	AT-rich interactive domain-containing protein 3B-like
XP_003437733.2	AT-rich interactive domain-containing protein 3B-like isoform X1
XP_005158686.1	AT-rich interactive domain-containing protein 4A isoform X1
XP_006632349.1	AT-rich interactive domain-containing protein 4A-like
XP_005473986.1	AT-rich interactive domain-containing protein 4B-like isoform X1
XP_005173089.1	AT-rich interactive domain-containing protein 4B-like isoform X2
XP_003199200.2	AT-rich interactive domain-containing protein 5A, partial
XP_003199620.2	AT-rich interactive domain-containing protein 5B-like
XP_006750994.1	AT-rich interactive domain-containing protein 5B-like, partial
NP_001038332.1	ATR-interacting protein
XP_005174023.1	ATR-interacting protein isoform X1
XP_005174026.1	ATR-interacting protein isoform X4
XP_006631160.1	ATR-interacting protein-like
NP_001139087.1	attractin
XP_005728766.1	attractin-like
XP_697655.4	attractin-like 1b
CBN81438.1	Attractin-like protein 1
NP_001187427.1	ATX1 antioxidant protein 1 homolog
NP_001077301.1	atypical chemokine receptor 3b
ADB24655.1	augmin-like complex subunit 3-like protein beta
POCAX4.1	AUGNB_DANRE RecName: Full=Augurin-B; Flags: Precursor
AGD93127.1	aurora kinase A
NP_001099165.1	aurora kinase A-interacting protein
XP_685505.5	autism susceptibility gene 2 protein, partial
XP_005156361.1	autism susceptibility gene 2 protein-like isoform X2
XP_004558611.1	autism susceptibility gene 2 protein-like isoform X3
XP_005473090.1	autism susceptibility gene 2 protein-like isoform X8
NP_001103484.1	autoimmune regulator
XP_004071966.1	autoimmune regulator-like
XP_002813492.2	autophagy related 7, partial
NP_001032201.1	autophagy-related protein 10
NP_001032316.1	autophagy-related protein 101
NP_956727.1	autophagy-related protein 13
XP_006637932.1	autophagy-related protein 16-1-like isoform X2
XP_005949099.1	autophagy-related protein 16-1-like isoform X4
XP_006628035.1	autophagy-related protein 16-2-like
XP_005157241.1	autophagy-related protein 2 homolog A-like
XP_006786381.1	autophagy-related protein 2 homolog B-like
XP_005477003.1	autophagy-related protein 2 homolog B-like isoform X6
XP_001340508.2	autophagy-related protein 2 homolog B-like, partial
NP_001187315.1	autophagy-related protein 3
CBN80868.1	Autophagy-related protein 7
XP_005165816.1	autophagy-related protein 9A isoform X1
XP_003975323.1	autophagy-related protein 9A-like
AAI63863.1	Axin 2 (conductin, axil)
NP_001188030.1	axin interactor, dorsalization-associated protein

XP_004691920.1 axin-1
 XP_005164268.1 axin-1 isoform X1
 XP_006635281.1 axin-2-like isoform X1
 XP_006631532.1 axonemal dynein light intermediate polypeptide 1-like
 XP_001923475.4 axoneme-associated protein mst101(2)
 XP_005157137.1 b- and T-lymphocyte attenuator-like isoform X2
 XP_687804.3 B box and SPRY domain-containing protein
 XP_695500.2 B(0,+)-type amino acid transporter 1 isoform X3
 XP_005933930.1 B(0,+)-type amino acid transporter 1-like
 XP_003200444.1 B(0,+)-type amino acid transporter 1-like isoform X1
 XP_001344116.1 B2 bradykinin receptor-like
 NP_001187770.1 B34087 hypothetical protein (L1H 3' region) - human
 NP_001002394.1 B9 domain-containing protein 1
 Q6AXK4.2 B9 domain-containing protein 2
 NP_001187129.1 BAB1_DANRE RecName: Full=BRISC and BRCA1-A complex member 1; AltName: Full=Mediator
 NP_660196.1 of RAP80 interactions and targeting subunit of 40 kDa; AltName: Full=New component of the BRCA1-
 ACN11176.1 A complex
 ACQ58361.1 bactericidal permeability-increasing protein precursor
 XP_005391095.1 baculoviral IAP repeat-containing 5B
 XP_001336902.1 Baculoviral IAP repeat-containing protein 4
 XP_005158765.1 Baculoviral IAP repeat-containing protein 5
 XP_005023934.1 baculoviral IAP repeat-containing protein 6
 XP_004574459.1 baculoviral IAP repeat-containing protein 6 isoform X1
 XP_004086234.1 baculoviral IAP repeat-containing protein 6 isoform X3
 NP_001092206.1 baculoviral IAP repeat-containing protein 6-like
 NP_001003533.1 baculoviral IAP repeat-containing protein 6-like isoform X1
 NP_001243658.1 baculoviral IAP repeat-containing protein 6-like, partial
 XP_005156742.1 BAG family molecular chaperone regulator 1
 A3KPW9.1 BAG family molecular chaperone regulator 3
 XP_001334285.5 BAG family molecular chaperone regulator 4
 XP_001338213.5 BAG family molecular chaperone regulator 5 isoform X1
 NP_944604.1 BAG6_DANRE RecName: Full=Large proline-rich protein BAG6; AltName: Full=BCL2-associated
 NP_001017830.1 athanogene 6; AltName: Full=HLA-B-associated transcript 3
 ELW67784.1 BAH and coiled-coil domain-containing protein 1
 AAH68330.1 BAH and coiled-coil domain-containing protein 1-like
 CBN81414.1 BAI1-associated protein 2-like 1
 XP_004071244.1 BAI1-associated protein 2-like 1b
 XP_006639504.1 BAI1-associated protein 3
 XP_005933507.1 Baiap211a protein
 XP_005450188.1 Band 3 anion exchange protein
 XP_004673906.1 band 3 anion exchange protein-like
 XP_004542088.1 band 4.1-like protein 1-like isoform X4
 XP_006867315.1 band 4.1-like protein 1-like isoform X9
 XP_006633938.1 band 4.1-like protein 2 isoform X3
 NP_571298.1 band 4.1-like protein 2-like isoform X1
 XP_006627073.1 band 4.1-like protein 3 isoform X2
 XP_002664949.1 band 4.1-like protein 3-like
 XP_005158090.1 band 4.1-like protein 4
 NP_001158872.1 band 4.1-like protein 4A-like
 XP_003977572.1 band 4.1-like protein 4B-like isoform X1
 AA162155.1 band 4.1-like protein 4B-like isoform X2
 NP_001091721.1 Band 4.1-like protein 5
 XP_005159053.1 band 4.1-like protein 5-like
 XP_006798961.1 Bardet-Biedl syndrome 1
 NP_690843.1 Bardet-Biedl syndrome 1 protein
 XP_005471242.1 Bardet-Biedl syndrome 10 isoform X1
 XP_005163015.1 Bardet-Biedl syndrome 12 protein homolog isoform X1
 XP_006629126.1 Bardet-Biedl syndrome 2 protein homolog
 NP_001187304.1 Bardet-Biedl syndrome 2 protein homolog isoform X2
 XP_005290469.1 Bardet-Biedl syndrome 4 isoform X1
 NP_001070613.1 Bardet-Biedl syndrome 4 protein-like
 XP_004553736.1 Bardet-Biedl syndrome 5 protein homolog
 XP_004538487.1 Bardet-Biedl syndrome 5 protein isoform X4
 CAM16576.1 Bardet-Biedl syndrome 7
 NP_991303.1 Bardet-Biedl syndrome 7 protein homolog isoform X2
 ACO13844.1 Bardet-Biedl syndrome 7 protein homolog isoform X2
 XP_003200724.1 barH-like 1 homeobox protein-like isoform X1
 XP_006632433.1 BarH-like 1.1
 XP_005158198.1 barH-like 2 homeobox protein
 NP_001070095.1 Barrier-to-autointegration factor
 XP_005162329.1 bartin
 XP_005162330.1 basal body-orientation factor 1-like
 XP_006641962.1 basal cell adhesion molecule isoform X2
 XP_005162790.1 basal cell adhesion molecule precursor
 NP_001076538.1 basement membrane-specific heparan sulfate proteoglycan core protein isoform X2
 XP_005162330.1 basement membrane-specific heparan sulfate proteoglycan core protein isoform X3
 XP_006641962.1 basement membrane-specific heparan sulfate proteoglycan core protein-like
 XP_005162790.1 basic helix-loop-helix domain-containing protein KIAA2018-like
 NP_001076538.1 basic helix-loop-helix transcription factor scleraxis

XP_004563380.1 basic helix-loop-helix transcription factor scleraxis-like
 XP_006815844.1 basic immunoglobulin-like variable motif-containing protein-like, partial
 NP_957212.1 basic leucine zipper and W2 domain-containing protein 2
 XP_005159662.1 basic leucine zipper and W2 domain-containing protein 2 isoform X1
 CAI21300.1 basic, immunoglobulin-like variable motif containing
 XP_005734082.1 basigin-like isoform X1
 XP_005479055.1 basigin-like isoform X2
 XP_003964355.1 battenin-like
 A2BIL7.2 BAZ1B_DANRE RecName: Full=Tyrosine-protein kinase BAZ1B; AltName: Full=Bromodomain adjacent to zinc finger domain protein 1B; AltName: Full=Williams syndrome transcription factor homolog
 A2BIL8.1 BC7BB_DANRE RecName: Full=B-cell CLL/lymphoma 7 protein family member B-B
 XP_005158714.1 B-cell CLL/lymphoma 11Ba (zinc finger protein) isoform X1
 XP_001921563.1 B-cell CLL/lymphoma 6 member B protein
 NP_001134870.1 B-cell CLL/lymphoma 7 protein family member A
 XP_005171039.1 B-cell CLL/lymphoma 9 protein isoform X1
 XP_005159295.1 B-cell CLL/lymphoma 9-like isoform X1
 NP_998003.1 B-cell linker protein
 XP_694014.5 B-cell lymphoma 3 protein homolog
 NP_957028.1 B-cell lymphoma 6 protein
 XP_005804492.1 B-cell lymphoma 6 protein homolog
 XP_001333002.1 B-cell lymphoma 6 protein-like
 XP_002660738.1 B-cell lymphoma/leukemia 10-like
 NP_001035481.1 B-cell lymphoma/leukemia 11A
 XP_002667906.3 B-cell lymphoma/leukemia 11B-like
 NP_001091715.1 B-cell receptor CD22 precursor
 XP_001919809.3 B-cell receptor CD22-like
 AFO64924.1 B-cell receptor-associated protein 29
 XP_006633442.1 B-cell receptor-associated protein 29-like
 XP_004543879.1 B-cell receptor-associated protein 29-like isoform X1
 ACO14128.1 B-cell receptor-associated protein 31
 XP_006629814.1 B-cell scaffold protein with ankyrin repeats-like
 AAY14591.1 B-cell translocation protein 4a
 XP_005161421.1 bcl2 antagonist of cell death isoform X1
 NP_001038937.1 BCL2 binding component 3
 EMP41482.1 BCL2/adenovirus E1B 19 kDa protein-interacting protein 2
 NP_001187643.1 BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
 ADO27970.1 bcl2/adenovirus e1b 19 kda protein-interacting protein 3-like
 AFK10902.1 BCL2/adenovirus E1B 19kD-interacting protein 1
 NP_001012242.1 BCL2/adenovirus E1B interacting protein 3-like a
 EPY83070.1 BCL2/adenovirus E1B protein-interacting protein 2
 NP_001013314.1 bcl2-associated X protein, b
 NP_001038503.2 BCL2-interacting killer (apoptosis-inducing)
 NP_571882.1 bcl-2-like protein 1
 NP_001038356.1 bcl-2-like protein 13
 XP_003447161.1 bcl-2-like protein 13-like isoform X1
 XP_005806233.1 bcl-2-modifying factor-like
 XP_005165978.1 bcl-2-related ovarian killer protein homolog A isoform X1
 NP_991189.1 BCL-6 corepressor
 XP_005174000.1 BCL-6 corepressor isoform X1
 XP_005475540.1 BCL-6 corepressor-like isoform X1
 XP_001332295.5 BCL-6 corepressor-like protein 1-like isoform X1
 AA163544.1 Bcl9l protein
 XP_005172547.1 BCL-WAV isoform X1
 AAH45990.1 BCS1-like (yeast)
 XP_003199193.2 BDNF/NT-3 growth factors receptor
 NP_001184090.1 BDNF/NT-3 growth factors receptor precursor
 NP_001019983.1 beclin 1-associated autophagy-related key regulator
 XP_003962848.1 beclin 1-associated autophagy-related key regulator-like
 AEG64797.1 beclin-1
 NP_001139063.1 BEN domain-containing protein 3
 XP_695315.5 BEN domain-containing protein 4-like
 XP_005166976.1 BEN domain-containing protein 5
 XP_688820.1 BEN domain-containing protein 6
 XP_004070112.1 BEN domain-containing protein 7-like
 XP_006789268.1 bestrophin-1-like
 XP_695597.1 bestrophin-2
 XP_006633646.1 bestrophin-3-like
 XP_005505020.1 BET1 homolog
 NP_001003998.1 BET1-like protein
 CBZ42162.1 beta 2a adrenergic receptor
 XP_003966680.1 beta,beta-carotene 15,15'-monooxygenase-like
 XP_002662060.3 beta,beta-carotene 9',10'-oxygenase
 XP_004563972.1 beta,beta-carotene 9',10'-oxygenase-like
 XP_006628113.1 beta/gamma crystallin domain-containing protein 3-like
 XP_005156317.1 beta-1 adrenergic receptor-like
 AAF35883.1 beta-1 integrin
 XP_005168842.1 beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7-like

XP_005473492.1 beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase-like
 XP_005172591.1 beta-1,3-galactosyltransferase 1-like
 NP_001122198.1 beta-1,3-galactosyltransferase 2-like
 XP_005167417.1 beta-1,3-galactosyltransferase 4-like isoform X2
 EPY84280.1 beta-1,3-galactosyltransferase 4-like protein
 XP_692598.5 beta-1,3-glucosyltransferase
 NP_001167271.1 Beta-1,3-glucosyltransferase precursor
 XP_006207116.1 beta-1,3-N-acetylglucosaminyltransferase manic fringe isoform X2
 NP_001038801.1 beta-1,3-N-acetylglucosaminyltransferase radical fringe isoform 2 precursor
 XP_006635449.1 beta-1,3-N-acetylglucosaminyltransferase radical fringe-like
 NP_001074039.1 beta-1,4 N-acetylgalactosaminyltransferase 1
 XP_006629483.1 beta-1,4 N-acetylgalactosaminyltransferase 1-like
 XP_005166146.1 beta-1,4 N-acetylgalactosaminyltransferase 1-like isoform X2
 XP_005816645.1 beta-1,4 N-acetylgalactosaminyltransferase 1-like, partial
 XP_005157393.1 beta-1,4-galactosyltransferase 1 isoform X1
 XP_004086533.1 beta-1,4-galactosyltransferase 1-like
 EMP34178.1 Beta-1,4-galactosyltransferase 2
 XP_003438117.1 beta-1,4-galactosyltransferase 2-like isoform X1
 XP_690256.2 beta-1,4-galactosyltransferase 3-like
 NP_001007402.1 beta-1,4-galactosyltransferase 4
 XP_005735693.1 beta-1,4-galactosyltransferase 4-like
 XP_005801752.1 beta-1,4-galactosyltransferase 5-like
 XP_005171639.1 beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase isoform X1
 XP_699442.5 beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase-like
 XP_001342883.4 beta-1,4-N-acetylgalactosaminyltransferase 3
 NP_001188102.1 beta-14-galactosyltransferase 7
 NP_001002175.1 beta-1-syntrophin
 XP_006636012.1 beta-1-syntrophin-like
 XP_005158304.1 beta-2 adrenergic receptor-like
 AAC64996.1 beta-2 microglobulin precursor
 ACX46713.1 beta-2-adrenergic receptor
 NP_001158744.1 Beta-2-glycoprotein 1 precursor
 XP_004066257.1 beta-2-glycoprotein 1-like
 NP_001185503.1 Beta-2-microglobulin precursor
 XP_003967055.1 beta-2-syntrophin-like
 ABH10580.1 beta-3b adrenergic receptor, partial
 NP_001103580.1 beta-3-galactosyltransferase-like
 CAI62036.1 beta3-glucuronyltransferase
 XP_005165118.1 beta-adducin isoform X1
 XP_005165119.1 beta-adducin isoform X2
 XP_005739215.1 beta-adrenergic receptor kinase 2-like
 XP_004572846.1 beta-adrenergic receptor kinase 2-like isoform X1
 NP_001153294.1 beta-arrestin-1
 NP_001266000.1 beta-carotene 15,15'-monoxygenase 1
 NP_001266003.1 beta-carotene 15,15'-monoxygenase 1 like
 XP_005170828.1 beta-carotene 15,15'-monoxygenase 1a isoform X2
 NP_001266009.1 beta-carotene oxygenase 2b
 NP_957160.1 beta-catenin-like protein 1
 XP_006639456.1 beta-catenin-like protein 1-like
 XP_003449172.1 beta-catenin-like protein 1-like isoform X1
 XP_007197390.1 beta-centractin isoform X1
 XP_005158030.1 beta-chimaerin isoform X1
 XP_699642.6 beta-chimaerin isoform X2
 NP_001004554.1 beta-citrylglutamate synthase B
 XP_006785549.1 beta-citrylglutamate synthase B-like
 NP_001188093.1 beta-crystallin a2
 NP_001187497.1 beta-crystallin a3
 NP_001187947.1 beta-crystallin a4
 XP_004073292.1 beta-crystallin B1-like
 XP_006636457.1 beta-crystallin S-like
 ADO27862.1 beta-enolase
 XP_003451163.1 beta-enolase-like isoform 1
 XP_005160190.1 beta-galactosidase isoform X2
 XP_003199433.2 beta-galactosidase-1-like protein 2-like
 XP_006804713.1 beta-galactosidase-1-like protein 2-like isoform X3
 NP_001116328.1 beta-galactosidase-1-like protein precursor
 XP_005800747.1 beta-galactosidase-like
 XP_005161355.1 beta-galactoside alpha-2,6-sialyltransferase 1 isoform X1
 NP_001254589.1 beta-galactoside alpha-2,6-sialyltransferase 2
 XP_700122.6 beta-glucuronidase
 XP_005815602.1 beta-glucuronidase-like
 XP_005165070.1 beta-glucuronidase-like isoform X2
 XP_004070040.1 beta-hexosaminidase subunit alpha-like
 NP_001108317.1 beta-hexosaminidase subunit beta precursor
 NP_001012498.1 betaine--homocysteine S-methyltransferase 1
 XP_003451105.1 betaine--homocysteine S-methyltransferase 1-like
 XP_001336584.4 beta-klotho
 NP_998049.1 beta-lactamase-like protein 2

XP_002193416.2	beta-mannosidase
XP_002664183.1	beta-mannosidase-like isoform X1
XP_006888197.1	beta-parvin
XP_005728228.1	beta-parvin-like isoform X1
NP_001030145.1	beta-sarcoglycan
NP_991267.1	beta-secretase 1 precursor
XP_005454379.1	beta-secretase 1-like isoform X1
XP_005804593.1	beta-secretase 1-like isoform X2
XP_002664602.2	beta-secretase 2
NP_001005991.1	beta-secretase 2 precursor
XP_004075938.1	beta-secretase 2-like
XP_004576605.1	beta-secretase 2-like, partial
XP_005422709.1	beta-soluble NSF attachment protein-like
NP_957263.1	beta-synuclein
XP_005523702.1	beta-synuclein isoform X1
XP_691474.4	beta-taxilin isoform X3
XP_006749117.1	beta-taxilin-like
XP_005156386.1	beta-tectorin isoform X1
NP_001177862.1	beta-type platelet-derived growth factor receptor
NP_001187324.1	beta-ureidopropionase
ETE70444.1	Beta-ureidopropionase, partial
CAP71958.1	bgm
A3KNX5.2	BHA09_DANRE RecName: Full=Class A basic helix-loop-helix protein 9; Short=bHLHa9; AltName: Full=Class B basic helix-loop-helix factor 42; Short=bHLHF42
Q32LQ4.1	BHMT1_DANRE RecName: Full=Betaine--homocysteine S-methyltransferase 1
NP_981965.1	bicaudal C homolog 2
NP_001077017.1	bicaudal D homolog 2-like
XP_005157438.1	bicaudal D-related protein 1-like
NP_001180520.1	bicaudal D-related protein 2
XP_002666021.1	bicaudal D-related protein 2-like
NP_001122171.1	bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1
XP_003972442.1	bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1-like
XP_005816616.1	bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1-like, partial
NP_001275581.1	bifunctional aminoacyl-tRNA synthetase
XP_006894560.1	bifunctional apoptosis regulator
XP_006804410.1	bifunctional apoptosis regulator-like isoform X1
XP_006805374.1	bifunctional arginine demethylase and Lysyl-hydroxylase JMJD6-like
NP_001070098.1	bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)
EMP40513.1	Bifunctional coenzyme A synthase
NP_001004577.1	bifunctional coenzyme A synthase precursor
XP_006626153.1	bifunctional epoxide hydrolase 2-like
XP_003454728.1	bifunctional epoxide hydrolase 2-like isoform X1
XP_005447768.1	bifunctional glutamate/proline--tRNA ligase isoform X3
XP_001923359.4	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1-like
XP_006781528.1	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1-like isoform X1
XP_005169633.1	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1-like isoform X2
XP_001924050.1	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2
XP_001338681.3	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2 isoform X1
XP_005156429.1	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2 isoform X2
NP_072087.2	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4
XP_002660470.1	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4 isoform X1
XP_006629242.1	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4-like
XP_006628114.1	bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA-like
NP_001082857.1	bifunctional lysine-specific demethylase and histidyl-hydroxylase NO66
ACO09728.1	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial precursor
XP_005173439.1	bifunctional polynucleotide phosphatase/kinase isoform X1
XP_004083794.1	bifunctional protein GImU-like
XP_002664185.1	bifunctional protein NCOAT isoformX1
XP_003198995.2	bifunctional protein NCOAT-like
NP_001133622.1	Bifunctional purine biosynthesis protein PURH
XP_003445780.1	bifunctional purine biosynthesis protein PURH-like
XP_005159859.1	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase isoform X2
XP_006629788.1	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase-like
BAL40898.1	biglycan
NP_001001825.2	biglycan precursor
XP_005914696.1	biglycan-like
NP_001167301.1	bile acid receptor
XP_005169983.1	bile acid receptor isoform X1
XP_005931565.1	bile acid receptor-like
XP_003199513.2	bile salt export pump isoform 2
XP_005723703.1	bile salt export pump-like
XP_003276814.1	bile salt-activated lipase
NP_001188009.1	biliverdin reductase a
AAT68064.1	BING4-like
XP_005797510.1	biogenesis of lysosome-related organelles complex 1 subunit 4-like
XP_006790214.1	biogenesis of lysosome-related organelles complex-1 subunit 2-like
XP_006631742.1	biorientation of chromosomes in cell division protein 1-like

XP_002664290.3 biorientation of chromosomes in cell division protein 1-like 1-like
 NP_001039309.1 biotinidase precursor
 XP_005952392.1 biotinidase-like
 XP_005811802.1 biotin--protein ligase-like
 NP_957034.1 bis(5'-adenosyl)-triphosphatase
 NP_001017887.1 bis(5'-adenosyl)-triphosphatase enpp4 precursor
 XP_003446525.1 bis(5'-adenosyl)-triphosphatase-like isoform X1
 NP_001002323.1 bis(5'-nucleosyl)-tetrphosphatase
 NP_001002630.1 bisphosphoglycerate mutase
 XP_006803964.1 bleomycin hydrolase-like
 AAX12162.1 bloodthirsty
 BAM36388.1 bloodthirsty-1
 NP_001070087.1 bloodthirsty-related gene family, member 12
 NP_956716.1 bloodthirsty-related gene family, member 30
 NP_001120951.1 bloodthirsty-related gene family, member 6
 NP_001124100.1 bloodthirsty-related gene family, member 9
 NP_001098120.1 Bloom syndrome helicase
 XP_701357.4 Bloom syndrome protein homolog, partial
 Q8JIR0.2 BM11A_DANRE RecName: Full=Polycomb complex protein BMI-1-A; AltName: Full=Polycomb group RING finger protein 4-A
 NP_001002189.1 BMP and activin membrane-bound inhibitor homolog (Xenopus laevis) b precursor
 NP_571859.1 BMP and activin membrane-bound inhibitor homolog precursor
 XP_006640705.1 BMP/retinoic acid-inducible neural-specific protein 1-like
 AAI63535.1 Bmp1a protein
 AAI63048.1 Bmp2a protein
 NP_001008644.2 BMP-2-inducible protein kinase isoform 2
 XP_006626815.1 BMP-2-inducible protein kinase-like
 XP_005739240.1 BMP-binding endothelial regulator protein-like
 ABD48948.1 Bmper
 XP_005917864.1 bombesin receptor-activated protein C6orf89 homolog
 AAW30003.1 bone Gla protein
 ABD90687.1 bone morphogenetic protein 1
 NP_001167068.1 Bone morphogenetic protein 1 precursor
 NP_001124072.1 bone morphogenetic protein 10 precursor
 ADW20149.1 bone morphogenetic protein 15
 NP_001165247.1 bone morphogenetic protein 16 precursor
 NP_001035126.1 bone morphogenetic protein 1a precursor
 XP_005808545.1 bone morphogenetic protein 1-like
 XP_003976259.1 bone morphogenetic protein 1-like isoform 2
 BAN17326.1 bone morphogenetic protein 2
 XP_005721926.1 bone morphogenetic protein 2-B-like isoform X1
 NP_001071233.1 bone morphogenetic protein 3
 XP_691459.3 bone morphogenetic protein 3B
 XP_005808860.1 bone morphogenetic protein 3-like
 ABK34490.1 bone morphogenetic protein 4
 NP_957345.1 bone morphogenetic protein 5 precursor
 XP_006638923.1 bone morphogenetic protein 5-like
 XP_005737200.1 bone morphogenetic protein 5-like isoform X2
 NP_001013357.1 bone morphogenetic protein 6 precursor
 XP_006634536.1 bone morphogenetic protein 7-like
 AGS58203.1 bone morphogenetic protein 7-like protein, partial
 NP_001038436.1 bone morphogenetic protein 8A
 ELK13704.1 Bone morphogenetic protein receptor type-1B
 NP_001034896.1 bone morphogenetic protein receptor type-2 precursor
 XP_006636824.1 bone morphogenetic protein receptor type-2-like
 NP_571696.2 bone morphogenetic protein receptor, type 1a precursor
 NP_001004585.1 bone morphogenetic protein receptor, type 1ab precursor
 XP_005165892.1 bone morphogenetic protein receptor, type II a (serine/threonine kinase) isoform X1
 NP_001034906.1 bone morphogenetic protein receptor, type II a (serine/threonine kinase) precursor
 XP_005173845.1 borealin isoform X2
 XP_002666615.2 box C/D snoRNA protein 1
 ELK13199.1 BR serine/threonine-protein kinase 1
 XP_002799482.1 BR serine/threonine-protein kinase 2-like
 XP_005993409.1 brachyury protein isoform X1
 NP_001189383.1 brain acid soluble protein 1 homolog
 NP_001080170.1 brain glycogen phosphorylase
 XP_005170320.1 brain mitochondrial carrier protein 1 isoform X1
 XP_002663270.1 brain natriuretic peptide
 ERE85277.1 brain protein 44
 XP_005925517.1 brain protein I3-like
 NP_001189435.1 brain specific kinase 146-like
 XP_005935465.1 brain-enriched guanylate kinase-associated protein-like
 XP_005477193.1 brain-enriched guanylate kinase-associated protein-like isoform X4
 XP_005163812.1 brain-specific angiogenesis inhibitor 1-associated protein 2 isoform X1
 XP_006635487.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like
 XP_005156446.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like isoform X3
 XP_005453705.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like isoform X9
 XP_005808806.1 brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1-like
 XP_004077767.1 brain-specific angiogenesis inhibitor 1-like

XP_005158290.1 brain-specific angiogenesis inhibitor 1-like isoform X1
 XP_005158291.1 brain-specific angiogenesis inhibitor 1-like isoform X2
 XP_003200273.2 brain-specific angiogenesis inhibitor 1-like, partial
 XP_005159748.1 brain-specific angiogenesis inhibitor 2 isoform X1
 XP_005159750.1 brain-specific angiogenesis inhibitor 2-like
 XP_004547870.1 brain-specific angiogenesis inhibitor 2-like isoform X3
 XP_004547873.1 brain-specific angiogenesis inhibitor 2-like isoform X6
 XP_003199786.1 brain-specific angiogenesis inhibitor 3 isoform X1
 XP_005157089.1 brain-specific angiogenesis inhibitor 3 isoform X2
 XP_005807686.1 brain-specific angiogenesis inhibitor 3-like isoform X5
 XP_005807687.1 brain-specific angiogenesis inhibitor 3-like isoform X6
 NP_999892.1 brain-specific homeobox protein homolog
 XP_006111421.1 brain-specific homeobox/POU domain protein 3-like
 ACH85323.1 branched chain ketoacid dehydrogenase E1 beta polypeptide
 ACN11196.1 Branched-chain-amino-acid aminotransferase, cytosolic
 XP_006633247.1 branched-chain-amino-acid aminotransferase, cytosolic-like
 NP_001002676.1 branched-chain-amino-acid aminotransferase, mitochondrial
 XP_005163998.1 branched-chain-amino-acid aminotransferase, mitochondrial isoform X1
 XP_005157713.1 BRCA1 interacting protein C-terminal helicase 1 isoform X1
 ADO28092.1 brca1-a complex subunit abraxas
 NP_001017777.1 BRCA1-A complex subunit BRE
 XP_005158922.1 BRCA1-A complex subunit BRE isoform X1
 XP_006016641.1 BRCA1-A complex subunit BRE-like
 XP_002663863.3 BRCA1-A complex subunit RAP80-like
 XP_005159874.1 BRCA1-associated ATM activator 1 isoform X1
 NP_001002466.1 BRCA1-associated protein
 XP_005172650.1 BRCA1-associated protein isoform X2
 XP_001921099.3 BRCA1-associated RING domain protein 1
 XP_005800794.1 BRCA1-associated RING domain protein 1-like
 ABB52829.1 BRD2
 AAH95027.1 Brd3a protein
 AA151887.1 Brd3b protein
 F1QW93.2 BRDT_DANRE RecName: Full=Bromodomain testis-specific protein
 XP_002665983.2 breakpoint cluster region protein isoform X1
 XP_005288664.1 breakpoint cluster region protein isoform X2
 XP_001335180.4 breakpoint cluster region protein-like
 XP_003448605.1 breakpoint cluster region protein-like isoform X1
 XP_005938899.1 breakpoint cluster region protein-like isoform X3
 NP_001103864.2 breast cancer 2, early onset
 NP_001128605.1 breast cancer anti-estrogen resistance 1
 XP_005159195.1 breast cancer anti-estrogen resistance 1 isoform X1
 XP_002662876.1 breast cancer anti-estrogen resistance protein 1-like
 XP_005166943.1 breast cancer anti-estrogen resistance protein 3 isoform X1
 XP_005166945.1 breast cancer anti-estrogen resistance protein 3 isoform X3
 XP_002665109.3 breast cancer anti-estrogen resistance protein 3-like
 XP_003756480.1 breast cancer metastasis-suppressor 1-like protein
 XP_006129768.1 breast cancer metastasis-suppressor 1-like protein-like isoform X1
 CBN81460.1 Breast cancer type 1 susceptibility protein homolog
 XP_005471333.1 breast cancer type 1 susceptibility protein homolog isoform X1
 XP_005157700.1 breast carcinoma amplified sequence 3 isoform X1
 XP_005157701.1 breast carcinoma amplified sequence 3 isoform X2
 ELK35887.1 Breast carcinoma-amplified sequence 3
 XP_003453615.1 breast carcinoma-amplified sequence 3 isoform X1
 XP_006799389.1 breast carcinoma-amplified sequence 3-like
 CBN81930.1 Brefeldin A-inhibited guanine nucleotide-exchange protein 1
 XP_003201354.2 brefeldin A-inhibited guanine nucleotide-exchange protein 1 isoform X1
 XP_005162772.1 brefeldin A-inhibited guanine nucleotide-exchange protein 1 isoform X2
 XP_003968024.1 brefeldin A-inhibited guanine nucleotide-exchange protein 1-like
 XP_006794656.1 brefeldin A-inhibited guanine nucleotide-exchange protein 1-like isoform X1
 XP_002666513.2 brefeldin A-inhibited guanine nucleotide-exchange protein 2
 XP_006804113.1 brefeldin A-inhibited guanine nucleotide-exchange protein 2-like
 XP_001921357.4 brefeldin A-inhibited guanine nucleotide-exchange protein 3
 NP_001077282.1 brevicin core protein precursor
 NP_956192.1 BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIBa
 A8KBY2.1 BRF2_DANRE RecName: Full=Transcription factor IIIB 50 kDa subunit; AltName: Full=B-related factor 2; Short=BRF-2
 XP_005916283.1 BRI3-binding protein-like
 XP_005165769.1 bridging integrator 1 isoform X2
 XP_005532128.1 bridging integrator 2
 XP_005166068.1 bridging integrator 2 isoform X1
 NP_001007422.1 bridging integrator 2a
 XP_005023510.1 bridging integrator 3
 XP_006625530.1 bridging integrator 3-like
 XP_005729447.1 bridging integrator 3-like isoform X2
 XP_003445110.1 BRISC and BRCA1-A complex member 1-like
 NP_001188024.1 brix domain-containing protein 1
 ADO27860.1 brix domain-containing protein 2
 NP_001007428.1 BRO1 domain-containing protein BROX
 XP_006643128.1 bromo adjacent homology domain-containing 1 protein-like

XP_693134.1 bromo adjacent homology domain-containing 1 protein-like isoform X3
 XP_693055.3 bromodomain adjacent to zinc finger domain protein 1A isoform X2
 XP_005801847.1 bromodomain adjacent to zinc finger domain protein 2A-like
 XP_005174171.1 bromodomain adjacent to zinc finger domain protein 2A-like isoform X2
 XP_005165867.1 bromodomain adjacent to zinc finger domain protein 2B isoform X1
 XP_005165869.1 bromodomain adjacent to zinc finger domain protein 2B isoform X3
 XP_005165870.1 bromodomain adjacent to zinc finger domain protein 2B isoform X4
 XP_005165871.1 bromodomain adjacent to zinc finger domain protein 2B isoform X5
 XP_005165873.1 bromodomain adjacent to zinc finger domain protein 2B isoform X7
 XP_006636533.1 bromodomain adjacent to zinc finger domain protein 2B-like
 XP_006780442.1 bromodomain adjacent to zinc finger domain protein 2B-like isoform X6
 XP_005935329.1 bromodomain adjacent to zinc finger domain protein 2B-like isoform X8
 XP_005174162.1 bromodomain adjacent to zinc finger domain, 2A isoform X1
 XP_005174163.1 bromodomain adjacent to zinc finger domain, 2A isoform X2
 XP_001919047.4 bromodomain and PHD finger-containing protein 3 isoform X1
 XP_005166793.1 bromodomain and PHD finger-containing protein 3 isoform X2
 XP_001920441.4 bromodomain and WD repeat-containing protein 1
 XP_691444.5 bromodomain and WD repeat-containing protein 3 isoform 1
 XP_005459863.1 bromodomain and WD repeat-containing protein 3-like isoform X1
 XP_005459864.1 bromodomain and WD repeat-containing protein 3-like isoform X2
 XP_005163199.1 bromodomain containing 1b isoform X1
 XP_005161207.1 bromodomain containing 3a isoform X3
 AAH55611.1 Bromodomain containing 7
 XP_005168808.1 bromodomain testis-specific protein isoform X2
 XP_005168809.1 bromodomain testis-specific protein isoform X3
 XP_005168811.1 bromodomain testis-specific protein isoform X5
 XP_698063.5 bromodomain-containing protein 1
 XP_006780629.1 bromodomain-containing protein 1-like isoform X1
 XP_006780630.1 bromodomain-containing protein 1-like isoform X2
 XP_005915749.1 bromodomain-containing protein 1-like isoform X7
 XP_006804425.1 bromodomain-containing protein 4-like isoform X1
 XP_005468772.1 bromodomain-containing protein 4-like isoform X3
 NP_998531.2 bromodomain-containing protein 7
 XP_005157185.1 bromodomain-containing protein 8 isoform X3
 XP_006781893.1 bromodomain-containing protein 8-like isoform X2
 XP_005170181.1 bromodomain-containing protein 9 isoform X3
 NP_001108100.1 brorin precursor
 XP_003441283.1 brorin-like
 XP_004920773.1 brorin-like, partial
 NP_001005393.1 brother of CDO precursor
 A3KQV2.1 BROX_DANRE RecName: Full=BRO1 domain-containing protein BROX; AltName: Full=BRO1 domain- and CAAX motif-containing protein; Flags: Precursor
 XP_002192940.2 bruno-like 5, RNA binding protein
 AAH80207.1 BSD domain containing 1
 XP_003446284.1 BSD domain-containing protein 1-like
 XP_005163075.1 BTB (POZ) domain containing 10a isoform X1
 EAW73104.1 BTB (POZ) domain containing 8, isoform CRA_c
 XP_005807046.1 BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 1-like
 EMP37686.1 BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2
 XP_687430.2 BTB/POZ domain-containing protein 10
 XP_709068.4 BTB/POZ domain-containing protein 16 isoform 2
 XP_691718.2 BTB/POZ domain-containing protein 17-like
 XP_005168501.1 BTB/POZ domain-containing protein 2
 XP_005170540.1 BTB/POZ domain-containing protein 2 isoform X2
 XP_003803213.1 BTB/POZ domain-containing protein 6
 XP_005160551.1 BTB/POZ domain-containing protein 6-B isoform X1
 NP_001020722.1 BTB/POZ domain-containing protein 7
 XP_006632633.1 BTB/POZ domain-containing protein 7-like
 NP_001002198.1 BTB/POZ domain-containing protein 9
 XP_003971548.1 BTB/POZ domain-containing protein 9-like
 ADO28277.1 btb/poz domain-containing protein kctd1
 NP_998643.1 BTB/POZ domain-containing protein KCTD10
 XP_004073403.1 BTB/POZ domain-containing protein KCTD12-like
 XP_693041.2 BTB/POZ domain-containing protein KCTD14-like
 NP_001003527.1 BTB/POZ domain-containing protein kctd15
 XP_006028172.1 BTB/POZ domain-containing protein kctd15 isoform X1
 XP_006003216.1 BTB/POZ domain-containing protein KCTD15 isoform X2
 NP_001006012.1 BTB/POZ domain-containing protein kctd15-like
 XP_005447727.1 BTB/POZ domain-containing protein kctd15-like isoform X3
 NP_001122224.1 BTB/POZ domain-containing protein KCTD16
 XP_005156237.1 BTB/POZ domain-containing protein KCTD17-like isoform X4
 XP_696679.2 BTB/POZ domain-containing protein KCTD17-like isoform X5
 XP_006741581.1 BTB/POZ domain-containing protein KCTD19
 XP_006008183.1 BTB/POZ domain-containing protein KCTD19-like
 NP_001038899.1 BTB/POZ domain-containing protein KCTD2
 XP_697568.4 BTB/POZ domain-containing protein KCTD3
 XP_005174252.1 BTB/POZ domain-containing protein KCTD5-like
 XP_006801104.1 BTB/POZ domain-containing protein KCTD5-like isoform X1

NP_001002329.1	BTB/POZ domain-containing protein KCTD6
NP_001032318.1	BTB/POZ domain-containing protein KCTD8
XP_006629936.1	BTB/POZ domain-containing protein KCTD8-like
XP_004541039.1	BTB/POZ domain-containing protein KCTD8-like isoform X1
ACO09208.1	BTB/POZ domain-containing protein TNFAIP1
XP_005157562.1	BTB/POZ domain-containing protein TNFAIP1 isoform X1
ADO27936.1	btg1
NP_001265945.1	BTG2 protein
NP_001243709.1	bucky ball
XP_006642379.1	BUD13 homolog
NP_001133923.1	Butyrate response factor 1
XP_005156327.1	butyrate response factor 2 isoform X1
ACM08704.1	Butyrophilin subfamily 1 member A1 precursor
XP_003198102.2	butyrophilin subfamily 1 member A1-like
XP_005170687.1	butyrophilin subfamily 1 member A1-like, partial
NP_001134905.1	Butyrophilin subfamily 2 member A2
XP_684799.2	butyrophilin subfamily 3 member A1-like
XP_005940881.1	butyrophilin subfamily 3 member A3-like isoform X1
XP_002661099.3	butyrophilin subfamily 3 member A3-like, partial
XP_002660833.3	butyrophilin-like protein 1-like
XP_001341831.4	butyrophilin-like protein 2-like
XP_003198101.2	butyrophilin-like protein 3-like
AAH28802.1	Bxdc5 protein, partial
NP_001133792.1	Bystin
XP_002633711.1	C. briggsae CBR-ABT-1 protein
XP_002629950.1	C. briggsae CBR-LAT-2 protein
NP_001116757.1	C1 inhibitor precursor
ACQ58579.1	C12orf62 homolog
ACI66294.1	C19orf12 homolog
ADO27794.1	c1galt1-specific chaperone 1
ACO08347.1	C1orf50 homolog
XP_006638169.1	C1q-related factor-like
NP_001117852.1	C1R/C1S subunit of Ca ²⁺ -dependent complex precursor
BAB17847.1	C1r/s-B
XP_005160670.1	c-1-tetrahydrofolate synthase, cytoplasmic isoform X1
XP_695978.4	c-1-tetrahydrofolate synthase, cytoplasmic isoform X2
XP_006018753.1	c-1-tetrahydrofolate synthase, cytoplasmic, partial
XP_006632525.1	c-1-tetrahydrofolate synthase, cytoplasmic-like
XP_003447800.1	c-1-tetrahydrofolate synthase, cytoplasmic-like isoform X1
XP_005170594.1	C2 calcium-dependent domain-containing protein 4C-like
NP_001070851.1	C2 domain-containing protein 2-like
XP_002667630.2	C2 domain-containing protein 2-like isoform X1
XP_005172782.1	C2 domain-containing protein 2-like isoform X2
XP_001337534.5	C2 domain-containing protein 3
XP_005173686.1	C2 domain-containing protein 5, partial
XP_006789470.1	C2 domain-containing protein 5-like isoform X3
XP_006633821.1	C2 domain-containing protein 5-like isoform X4
XP_005470873.1	C2 domain-containing protein 5-like isoform X9
XP_005171954.1	c2cd2-like isoform X1
XP_005171956.1	c2cd2-like isoform X3
BAK32934.1	C3 complement component
NP_001138268.1	c3orf33 homolog
AAI28883.1	C3orf33 protein
ACI67526.1	C3orf60 homolog
NP_001158537.1	C4b-binding protein alpha chain precursor
XP_005806830.1	C5a anaphylatoxin chemotactic receptor 1-like
ACO13235.1	C6orf162 homolog
ACO09510.1	C6orf166
ACO09143.1	C8orf4 homolog
ACI69148.2	C8orf40 homolog
NP_001134676.1	CA052 protein
Q4KMC9.2	CA198_DANRE RecName: Full=Uncharacterized protein C1orf198 homolog
XP_003453270.1	CAAX prenyl protease 1 homolog
XP_001919229.3	CAAX prenyl protease 2
AAA37135.1	c-abl-protein type I, partial
P56698.1	CAC1B_DIPOM RecName: Full=Probable voltage-dependent N-type calcium channel subunit alpha-1B; AltName: Full=DOE-4; AltName: Full=Voltage-gated calcium channel subunit alpha Cav2.2
P22316.1	CAC1S_CYPKA RecName: Full=Dihydropyridine-sensitive L-type skeletal muscle calcium channel subunit alpha-1
AAI63679.1	Cacna1d protein
XP_005797214.1	cactin-like, partial
NP_001009884.1	CAD protein
XP_005160868.1	CAD protein isoform X1
XP_005461572.1	CAD protein-like
NP_571895.1	cadherin 1, epithelial precursor
AAH63935.1	Cadherin 17, LI cadherin (liver-intestine)
XP_007099201.1	cadherin 4, type 1, R-cadherin (retinal)
AAH90908.1	Cadherin 6

AAP94032.1	cadherin 7 precursor
XP_001920772.2	cadherin EGF LAG seven-pass G-type receptor 1
XP_005168605.1	cadherin EGF LAG seven-pass G-type receptor 1 isoform X4
XP_006633502.1	cadherin EGF LAG seven-pass G-type receptor 1-like
XP_003200966.2	cadherin EGF LAG seven-pass G-type receptor 2
NP_001074046.1	cadherin EGF LAG seven-pass G-type receptor 2 precursor
XP_006628662.1	cadherin EGF LAG seven-pass G-type receptor 2-like
XP_004544839.1	cadherin EGF LAG seven-pass G-type receptor 2-like isoform X2
XP_001922712.4	cadherin EGF LAG seven-pass G-type receptor 3 isoform X1
XP_005167180.1	cadherin EGF LAG seven-pass G-type receptor 3 isoform X2
XP_005800234.1	cadherin EGF LAG seven-pass G-type receptor 3-like
EMC89302.1	Cadherin-1, partial
NP_001034722.1	cadherin-10 precursor
XP_006634605.1	cadherin-10-like
XP_003199697.2	cadherin-10-like, partial
ELW69832.1	Cadherin-11
NP_571289.1	cadherin-11 precursor
XP_004077000.1	cadherin-11-like
XP_002661146.3	cadherin-12
NP_001153302.1	cadherin-12 precursor
XP_006634603.1	cadherin-12-like
XP_687082.6	cadherin-13
XP_005471253.1	cadherin-13-like
XP_005166625.1	cadherin-15 isoform X1
NP_997771.1	cadherin-15 precursor
XP_005937248.1	cadherin-15-like
XP_005166510.1	cadherin-16-like
XP_004067185.1	cadherin-17-like
EMP39857.1	Cadherin-18
XP_003439350.1	cadherin-18 isoform X1
XP_005449155.1	cadherin-18 isoform X2
XP_003199698.2	cadherin-18-like
XP_004551867.1	cadherin-18-like isoform X1
XP_005948102.1	cadherin-1-like
XP_005816062.1	cadherin-1-like, partial
NP_571156.2	cadherin-2 precursor
XP_006634610.1	cadherin-20-like
CBN80798.1	Cadherin-22
XP_003973534.1	cadherin-22-like
XP_005460857.1	cadherin-22-like isoform X3
XP_003198891.1	cadherin-22-like, partial
NP_999974.1	cadherin-23 precursor
XP_006799146.1	cadherin-23-like
XP_005923557.1	cadherin-2-like
XP_005740285.1	cadherin-2-like isoform X1
AAAY41878.1	cadherin-4
NP_571161.2	cadherin-4 isoform 1 precursor
XP_006639626.1	cadherin-4-like
XP_005746482.1	cadherin-4-like isoform X2
NP_001003983.1	cadherin-5 precursor
XP_004076995.1	cadherin-5-like
XP_003438289.2	cadherin-5-like isoform X1
NP_001013538.1	cadherin-6 precursor
XP_003968222.1	cadherin-6-like
NP_001070916.1	cadherin-7
XP_005163459.1	cadherin-7 isoform X1
XP_003201307.2	cadherin-7-like, partial
XP_001919165.3	cadherin-8
XP_006641431.1	cadherin-8-like
XP_005449079.1	cadherin-8-like isoform X2
XP_693701.4	cadherin-like and PC-esterase domain containing 1
XP_005170616.1	cadherin-like protein 26-like
NP_001005402.1	cadherin-related family member 1 precursor
XP_006630419.1	cadherin-related family member 1-like
XP_005456615.1	cadherin-related family member 1-like isoform X2
XP_003199810.2	cadherin-related family member 2-like
XP_003200011.2	cadherin-related family member 2-like, partial
XP_006633448.1	cadherin-related family member 3-like
XP_006025075.1	cadherin-related family member 4
XP_001346273.3	cadherin-related family member 5-like
XP_005174306.1	cadherin-related family member 5-like, partial
XP_005155410.1	cadherin-related tumor suppressor-like
P83299.1	CAH1_CHIHA RecName: Full=Carbonic anhydrase 1; AltName: Full=Carbonate dehydratase I; AltName: Full=Carbonic anhydrase I; Short=CA-I; AltName: Full=Ice-CA
XP_005813988.1	caiB/baiF CoA-transferase family protein C7orf10-like
XP_001341604.1	calbindin
XP_003453902.1	calcineurin B homologous protein 3-like
NP_001232898.1	calcineurin-binding protein cabin-1
XP_005167402.1	calcineurin-binding protein cabin-1 isoform X1

XP_005167403.1 calcineurin-binding protein cabin-1 isoform X2
 NP_001007414.1 calcineurin-like phosphoesterase domain-containing protein 1
 XP_005158547.1 calciopressin-3 isoform X1
 XP_006631307.1 calciopressin-3-like isoform X1
 CAC81278.1 calcitonin
 XP_005167946.1 calcitonin gene-related peptide type 1 receptor isoform X1
 NP_001004010.1 calcitonin gene-related peptide type 1 receptor precursor
 XP_003201298.2 calcitonin gene-related peptide type 1 receptor-like
 XP_005935626.1 calcitonin gene-related peptide-like isoform X1
 XP_003200679.2 calcitonin receptor
 AAI29301.1 Calcitonin receptor-like a
 XP_005172324.1 calcitonin/calcitonin-related polypeptide, alpha isoform X1
 NP_001003595.1 calcium activated nucleotidase 1b
 XP_005928817.1 calcium and integrin-binding family member 2-like isoform X1
 XP_003440584.1 calcium and integrin-binding protein 1-like
 NP_998666.1 calcium binding protein 39, like 1
 NP_956992.1 calcium binding protein 5a
 XP_005172183.1 calcium channel, voltage-dependent, alpha 2/delta subunit 2 isoform X1
 XP_005174030.1 calcium channel, voltage-dependent, alpha 2/delta subunit 2 isoform X2
 NP_001075217.2 calcium channel, voltage-dependent, beta 2b isoform 1
 NP_001106988.1 calcium channel, voltage-dependent, beta 4b subunit isoform 2
 XP_005165921.1 calcium channel, voltage-dependent, beta 4b subunit isoform X1
 NP_999849.1 calcium channel, voltage-dependent, gamma subunit 1
 XP_005159490.1 calcium channel, voltage-dependent, gamma subunit 8a isoform X1
 NP_001139622.1 calcium channel, voltage-dependent, L type, alpha 1S subunit, a
 XP_005168332.1 calcium channel, voltage-dependent, L type, alpha 1S subunit, a isoform X1
 NP_999891.1 calcium channel, voltage-dependent, L type, alpha 1S subunit, b
 XP_007088692.1 calcium homeostasis endoplasmic reticulum protein
 XP_006640056.1 calcium homeostasis endoplasmic reticulum protein-like
 XP_005160176.1 calcium homeostasis modulator protein 1-like
 XP_003971065.1 calcium signal-modulating cyclophilin ligand-like
 XP_004556129.1 calcium uniporter protein, mitochondrial-like isoform X3
 XP_004077504.1 calcium uptake protein 1, mitochondrial-like
 XP_001919551.4 calcium uptake protein 3, mitochondrial
 XP_003199954.2 calcium uptake protein 3, mitochondrial-like isoform X1
 XP_005931336.1 calcium uptake protein 3, mitochondrial-like isoform X4
 XP_005167982.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A isoform X1
 XP_692892.6 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A isoform X2
 XP_006636627.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A-like
 XP_006629415.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B-like
 XP_005174741.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C isoform X2
 XP_006634613.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like

 XP_005162914.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like isoform X2

 XP_006792228.1 calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like isoform X3

 NP_001074127.2 calcium/calmodulin-dependent protein kinase 1Db isoform long
 NP_957123.1 calcium/calmodulin-dependent protein kinase IG
 XP_005174188.1 calcium/calmodulin-dependent protein kinase IG isoform X1
 EDL09794.1 calcium/calmodulin-dependent protein kinase II alpha, isoform CRA_b
 NP_001138561.1 calcium/calmodulin-dependent protein kinase II inhibitor 2
 XP_005798033.1 calcium/calmodulin-dependent protein kinase II inhibitor 2-like
 XP_002662860.1 calcium/calmodulin-dependent protein kinase II inhibitor 2-like isoform 1
 NP_001002642.1 calcium/calmodulin-dependent protein kinase II inhibitor-like
 NP_001014361.1 calcium/calmodulin-dependent protein kinase kinase 1
 XP_005171905.1 calcium/calmodulin-dependent protein kinase kinase 1 isoform X1
 XP_004561721.1 calcium/calmodulin-dependent protein kinase kinase 1-like isoform X1
 XP_005161180.1 calcium/calmodulin-dependent protein kinase kinase 2-like
 XP_006788802.1 calcium/calmodulin-dependent protein kinase kinase 2-like isoform X1
 XP_695868.2 calcium/calmodulin-dependent protein kinase type 1B isoform X2
 ERE80434.1 calcium/calmodulin-dependent protein kinase type 1D
 XP_005460451.1 calcium/calmodulin-dependent protein kinase type 1D-like
 XP_683698.3 calcium/calmodulin-dependent protein kinase type 1-like
 XP_005155761.1 calcium/calmodulin-dependent protein kinase type 1-like isoform X2
 XP_005166617.1 calcium/calmodulin-dependent protein kinase type II delta 1 chain isoform X2
 XP_005741248.1 calcium/calmodulin-dependent protein kinase type II delta 2 chain-like isoform X11
 XP_003457063.1 calcium/calmodulin-dependent protein kinase type II subunit alpha
 XP_003970925.1 calcium/calmodulin-dependent protein kinase type II subunit alpha-like
 XP_006797501.1 calcium/calmodulin-dependent protein kinase type II subunit beta-like
 XP_005929017.1 calcium/calmodulin-dependent protein kinase type II subunit beta-like isoform X1
 XP_006625406.1 calcium/calmodulin-dependent protein kinase type II subunit beta-like isoform X9
 ELK30878.1 Calcium/calmodulin-dependent protein kinase type II subunit delta
 XP_005044632.1 calcium/calmodulin-dependent protein kinase type II subunit delta isoform X6
 EMP28458.1 Calcium/calmodulin-dependent protein kinase type II subunit gamma
 XP_005156420.1 calcium/calmodulin-dependent protein kinase type II subunit gamma isoform X3
 XP_005156963.1 calcium/calmodulin-dependent protein kinase type II subunit gamma isoform X5
 XP_005930653.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like isoform X10
 XP_005474438.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like isoform X24
 XP_006630919.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like isoform X6

XP_005474423.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like isoform X9
 XP_003459927.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like isoform X1
 ERE87023.1 calcium/calmodulin-dependent protein kinase type II subunit gamma-like protein
 NP_001017607.1 calcium/calmodulin-dependent protein kinase type IV
 XP_002663771.2 calcium/calmodulin-dependent protein kinase type IV-like
 XP_002664610.3 calcium-activated chloride channel regulator 4
 XP_006634877.1 calcium-activated chloride channel regulator 4-like
 XP_004701251.1 calcium-activated potassium channel subunit alpha-1
 XP_006114401.1 calcium-activated potassium channel subunit alpha-1 isoform X1
 XP_005156736.1 calcium-activated potassium channel subunit alpha-1 isoform X25
 XP_005156718.1 calcium-activated potassium channel subunit alpha-1 isoform X7
 XP_005736468.1 calcium-activated potassium channel subunit alpha-1-like isoform X10
 XP_005794653.1 calcium-activated potassium channel subunit alpha-1-like isoform X2
 XP_005471413.1 calcium-activated potassium channel subunit alpha-1-like isoform X7
 XP_001337140.2 calcium-activated potassium channel subunit beta-2-like isoform X1
 XP_005163344.1 calcium-activated potassium channel subunit beta-3-like
 ADD16631.1 calcium-activated potassium channel variant C4p6-AB2
 XP_005162429.1 calcium-binding and coiled-coil domain-containing protein 1 isoform X1
 XP_003961173.1 calcium-binding and coiled-coil domain-containing protein 2-like
 NP_997947.1 calcium-binding mitochondrial carrier protein Aralar1
 XP_004079220.1 calcium-binding mitochondrial carrier protein Aralar1-like
 XP_005452988.1 calcium-binding mitochondrial carrier protein Aralar1-like isoform X2
 NP_001004606.1 calcium-binding mitochondrial carrier protein SCaMC-1
 XP_005160736.1 calcium-binding mitochondrial carrier protein SCaMC-1 isoform X1
 XP_003458999.1 calcium-binding mitochondrial carrier protein SCaMC-1-like
 XP_006498018.1 calcium-binding mitochondrial carrier protein SCaMC-2 isoform X2
 NP_001153492.1 calcium-binding mitochondrial carrier protein SCaMC-2-B
 XP_005171964.1 calcium-binding mitochondrial carrier protein SCaMC-2-B isoform X1
 XP_006640824.1 calcium-binding mitochondrial carrier protein SCaMC-2-B-like isoform X1
 XP_005160241.1 calcium-binding mitochondrial carrier protein SCaMC-3-like isoform X2
 XP_005160242.1 calcium-binding mitochondrial carrier protein SCaMC-3-like isoform X3
 XP_004464700.1 calcium-binding protein 1 isoform 1
 XP_006627766.1 calcium-binding protein 1-like
 XP_688066.4 calcium-binding protein 1-like isoform X4
 NP_001187351.1 calcium-binding protein 39-like
 XP_005470319.1 calcium-binding protein 4-like isoform X2
 XP_004573749.1 calcium-binding protein 5-like
 XP_004074966.1 calcium-binding protein 7-like
 XP_005803883.1 calcium-binding protein 7-like isoform X2
 XP_005525944.1 calcium-binding protein 8 isoform X2
 XP_006640925.1 calcium-binding protein 8-like
 XP_001343041.1 calcium-binding protein 8-like isoform X1
 NP_001187843.1 calcium-binding protein p22
 XP_001250826.2 calcium-channel protein cch1-like
 EMP30099.1 Calcium-dependent secretion activator 1
 XP_001362635.1 calcium-dependent secretion activator 1 isoform X1
 XP_005166169.1 calcium-dependent secretion activator 1 isoform X10
 XP_005166171.1 calcium-dependent secretion activator 1 isoform X12
 XP_003198859.1 calcium-dependent secretion activator 1 isoform X3
 XP_005166164.1 calcium-dependent secretion activator 1 isoform X5
 XP_005155906.1 calcium-dependent secretion activator 1 isoform X6
 XP_005166166.1 calcium-dependent secretion activator 1 isoform X7
 ELK07780.1 Calcium-dependent secretion activator 1, partial
 XP_004572229.1 calcium-dependent secretion activator 1-like isoform X1
 XP_005803757.1 calcium-dependent secretion activator 1-like isoform X2
 XP_003201506.1 calcium-dependent secretion activator 1-like, partial
 XP_002666924.3 calcium-dependent secretion activator 2
 XP_005799858.1 calcium-dependent secretion activator 2-like
 XP_006004908.1 calcium-dependent secretion activator 2-like, partial
 XP_006005939.1 calcium-independent phospholipase A2-gamma
 XP_006642965.1 calcium-independent phospholipase A2-gamma-like
 XP_006794269.1 calcium-independent phospholipase A2-gamma-like isoform X1
 XP_005872976.1 calcium-regulated heat stable protein 1 isoform X4
 XP_006840083.1 calcium-transporting ATPase type 2C member 1 isoform X1
 XP_006083750.1 calcium-transporting ATPase type 2C member 1 isoform X2
 XP_006635593.1 calcium-transporting ATPase type 2C member 1-like
 XP_005456080.1 calcium-transporting ATPase type 2C member 1-like isoform X2
 AAI17592.1 Calcoco1 protein
 NP_001187792.1 calyculin-binding protein
 XP_005159061.1 calyphosin-2-like
 ADO28065.1 calyphosin-like protein
 XP_005454234.1 caldesmon-like
 NP_001071009.1 calmeglin precursor
 XP_002665206.2 calmin-like
 ELW71144.1 Calmodulin
 XP_004447400.1 calmodulin isoform 1
 NP_001159727.1 calmodulin regulated spectrin-associated protein 1a
 XP_005161026.1 calmodulin regulated spectrin-associated protein 1a isoform X1
 ELW68689.1 Calmodulin-binding transcription activator 1

XP_001337677.5	calmodulin-binding transcription activator 1-like
XP_004546376.1	calmodulin-binding transcription activator 1-like isoform X5
XP_005162391.1	calmodulin-binding transcription activator 1-like isoform X6
XP_005172986.1	calmodulin-binding transcription activator 1-like, partial
ERE81907.1	calmodulin-binding transcription activator 2 isoform 3
XP_007166573.1	calmodulin-binding transcription activator 2 isoform X3
XP_002666603.3	calmodulin-binding transcription activator 2-like
XP_005170653.1	calmodulin-binding transcription activator 2-like, partial
BAA28868.1	calmodulin-dependent protein kinase II-gamma dash1
XP_005156634.1	calmodulin-lysine N-methyltransferase isoform X2
XP_005168705.1	calmodulin-regulated spectrin-associated protein 1-B isoform X1
XP_005170524.1	calmodulin-regulated spectrin-associated protein 2 isoform X1
XP_004079371.1	calmodulin-regulated spectrin-associated protein 2-like
XP_005171482.1	calmodulin-regulated spectrin-associated protein 2-like isoform X1
XP_005920970.1	calmodulin-regulated spectrin-associated protein 2-like isoform X2
XP_005163823.1	calmodulin-regulated spectrin-associated protein 3 isoform X1
XP_005171117.1	calmodulin-regulated spectrin-associated protein 3-like isoform X2
XP_006138272.1	calnexin isoform X1
NP_001187109.1	calnexin precursor
XP_005801769.1	calnexin-like
XP_005174088.1	calpain 1, large subunit isoform X1
XP_005173727.1	calpain 12 isoform X1
AFU11026.1	calpain 2 large subunit b
NP_001073476.1	calpain 5
NP_001167031.1	calpain small subunit 1
XP_006627669.1	calpain small subunit 1-like
AFU11025.1	calpain-1 catalytic subunit
XP_689397.5	calpain-1 catalytic subunit isoform 1
XP_005922325.1	calpain-1 catalytic subunit-like
XP_698873.4	calpain-10-like isoform X2
XP_005935578.1	calpain-15-like isoform X1
XP_004077592.1	calpain-2 catalytic subunit-like
XP_006013077.1	calpain-2 catalytic subunit-like, partial
AFU11027.1	calpain-3
XP_003978535.1	calpain-3-like
XP_001345114.2	calpain-5-like
XP_005916113.1	calpain-5-like isoform X1
EPQ07116.1	Calpain-6
NP_001128580.1	calpain-7
XP_005813433.1	calpain-8-like
NP_001003501.1	calpain-9
XP_006638514.1	calpain-9-like
XP_004084811.1	calpain-A-like
NP_001076532.2	calpain-like
AGG68955.1	calpastatin
NP_956047.1	calponin 3, acidic a
NP_001019244.1	calponin 3, acidic b
XP_006630169.1	calponin homology domain-containing protein DDB_G0272472-like
XP_701038.5	calponin-1-like
NP_001187111.1	calreticulin precursor
ADO29074.1	calretinin
AAH46906.1	Calr1 protein
XP_005924405.1	calsenilin-like isoform X2
XP_005451333.1	calsenilin-like isoform X3
NP_001003620.2	calsequestrin 1A precursor
BAH85794.1	calsequestrin 2B
XP_005166685.1	calsequestrin-1 isoform X1
NP_001133632.1	Calsequestrin-1 precursor
XP_005748889.1	calsequestrin-1-like
XP_004771146.1	calsequestrin-2
XP_006639102.1	calsequestrin-2-like
NP_001071252.2	calsyntenin 1 precursor
NP_001153311.1	calsyntenin-2 precursor
XP_698154.5	calsyntenin-2-like
XP_683286.4	calsyntenin-3-like
XP_006642420.1	calsyntenin-3-like, partial
ERE74287.1	caltractin-like protein
ELK13874.1	Calumenin
NP_001187699.1	calumenin precursor
XP_006789689.1	calumenin-B-like
NP_571089.1	calymmin precursor
CBN80992.1	CaM kinase-like vesicle-associated protein
XP_695627.2	caM kinase-like vesicle-associated protein-like
XP_005162183.1	CaM kinase-like vesicle-associated, like isoform X2
XP_005162185.1	CaM kinase-like vesicle-associated, like isoform X4
AAH93372.1	Camk2a protein
XP_006638868.1	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A-like
XP_005169023.1	cAMP responsive element binding protein 3-like 1 isoform X1
ABF22394.1	cAMP responsive element binding protein 5

ABK55614.1	cAMP responsive element-binding protein
XP_006631900.1	cAMP-dependent protein kinase catalytic subunit alpha-like
XP_005468733.1	cAMP-dependent protein kinase catalytic subunit alpha-like isoform X2
XP_003452628.1	cAMP-dependent protein kinase catalytic subunit alpha-like isoform X1
XP_005050311.1	cAMP-dependent protein kinase catalytic subunit beta isoform X1
XP_006635041.1	cAMP-dependent protein kinase catalytic subunit beta-like
XP_004000299.1	cAMP-dependent protein kinase catalytic subunit PRKX
XP_690430.2	cAMP-dependent protein kinase catalytic subunit PRKX-like
XP_004071058.1	cAMP-dependent protein kinase inhibitor gamma-like
XP_005694555.1	cAMP-dependent protein kinase type I-alpha regulatory subunit
XP_005156043.1	cAMP-dependent protein kinase type I-alpha regulatory subunit isoform X1
XP_001112547.2	cAMP-dependent protein kinase type I-alpha regulatory subunit-like
XP_002666815.3	cAMP-dependent protein kinase type II-beta regulatory subunit-like
XP_004069594.1	cAMP-dependent protein kinase type II-beta regulatory subunit-like isoform 2
XP_003200472.2	cAMP-regulated D2 protein
XP_005211845.1	cAMP-regulated phosphoprotein 19 isoform X1
XP_005159811.1	cAMP-regulated phosphoprotein 21 isoform X1
XP_005159813.1	cAMP-regulated phosphoprotein 21 isoform X3
XP_006871293.1	cAMP-responsive element modulator isoform X2
ETE72641.1	cAMP-responsive element modulator, partial
XP_004078612.1	cAMP-responsive element modulator-like
XP_004626252.1	cAMP-responsive element-binding protein-like 2
ELV14050.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
XP_003964885.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A-like
XP_683242.6	cAMP-specific 3',5'-cyclic phosphodiesterase 4B isoform X2
XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B isoform X2
XP_006634988.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4B-like
ELK19182.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4C
XP_695374.5	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
XP_005060709.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D isoform X2
XP_005166982.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D-like
XP_005794950.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D-like isoform X2
XP_005920702.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D-like isoform X3
XP_004564867.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D-like isoform X5
XP_004564869.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D-like isoform X7
NP_956883.2	canalicular multispecific organic anion transporter 1
XP_006630977.1	canalicular multispecific organic anion transporter 1-like
XP_004077202.1	canalicular multispecific organic anion transporter 1-like isoform 2
XP_006635379.1	canalicular multispecific organic anion transporter 2-like
XP_005448010.1	canalicular multispecific organic anion transporter 2-like isoform X3
NP_001003607.1	cannabinoid receptor interacting protein 1a
BAE78825.1	Canopy2
AAH49461.1	Capg protein
XP_005498393.1	CAP-Gly domain-containing linker protein 1
XP_006640429.1	CAP-Gly domain-containing linker protein 1-like
XP_005172074.1	CAP-Gly domain-containing linker protein 2 isoform X1
XP_006641027.1	CAP-Gly domain-containing linker protein 2-like
XP_005929416.1	CAP-Gly domain-containing linker protein 3-like
XP_005158966.1	CAP-Gly domain-containing linker protein 4-like
ABD74633.1	capillary morphogenesis protein 2A
AAH95824.1	Capn8 protein
NP_001275994.1	capping protein (actin filament), gelsolin-like a
XP_005156259.1	capping protein (actin filament), gelsolin-like isoform X1
NP_001013291.1	caprin-2
XP_005164789.1	caprin-2 isoform X1
ERE66585.1	caprin-2-like protein
NP_956427.1	cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1
XP_005162451.1	cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1 isoform X1
XP_006626361.1	cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1-like
NP_998598.1	cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 2
BAK39577.1	carbamoyl phosphate synthetase III, partial
NP_001118181.1	carbamoyl-phosphate synthase ammonia, mitochondrial
XP_005800797.1	carbamoyl-phosphate synthase ammonia, mitochondrial-like
NP_001076420.1	carbohydrate sulfotransferase 1 precursor
XP_005159947.1	carbohydrate sulfotransferase 10 isoform X3
CBN80598.1	Carbohydrate sulfotransferase 11
NP_998712.2	carbohydrate sulfotransferase 12
NP_997994.1	carbohydrate sulfotransferase 14
XP_006630586.1	carbohydrate sulfotransferase 15-like
XP_005948345.1	carbohydrate sulfotransferase 1-like
NP_001073464.2	carbohydrate sulfotransferase 2
XP_003961280.1	carbohydrate sulfotransferase 3-like
XP_005166054.1	carbohydrate sulfotransferase 7-like
XP_001336903.5	carbohydrate sulfotransferase 8
XP_003198618.2	carbohydrate-responsive element-binding protein-like
ADO27772.1	carbonic anhydrase
XP_005470754.1	carbonic anhydrase 12-like isoform X2
XP_005157937.1	carbonic anhydrase 14 isoform X1
XP_694982.3	carbonic anhydrase 14 isoform X3

XP_005936186.1 carbonic anhydrase 14-like
 AEY83562.1 carbonic anhydrase 2
 XP_003438686.1 carbonic anhydrase 4-like
 ACN10842.1 Carbonic anhydrase 5B, mitochondrial precursor
 XP_005814977.1 carbonic anhydrase 5B, mitochondrial-like
 XP_006797486.1 carbonic anhydrase 5B, mitochondrial-like isoform X1
 XP_005914985.1 carbonic anhydrase 6-like
 NP_001107879.1 carbonic anhydrase IV a precursor
 NP_001117959.1 carbonic anhydrase IV precursor
 XP_005169500.1 carbonic anhydrase XV b isoform X2
 NP_001017571.1 carbonic anhydrase-related protein
 NP_001032198.1 carbonic anhydrase-related protein 10 precursor
 XP_006635382.1 carbonic anhydrase-related protein 10-like
 XP_696967.3 carbonic anhydrase-related protein 10-like isoform X2
 XP_005797115.1 carbonic anhydrase-related protein-like isoform X1
 NP_001188032.1 carbonyl reductase family member 4
 ACM91729.1 carbonyl reductase-like 20beta-hydroxysteroid dehydrogenase
 NP_001020344.1 carboxyl ester lipase, like precursor
 XP_001919814.3 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein isoform X1
 XP_005166319.1 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein isoform X2
 XP_002660758.2 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein-like
 XP_004567411.1 carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein-like isoform X1
 NP_001187652.1 carboxymethylenebutenolidase homolog
 ADO28403.1 carboxypeptidase a1
 NP_001188244.1 carboxypeptidase a1 precursor
 NP_001002217.1 carboxypeptidase A4 precursor
 XP_001342149.4 carboxypeptidase A6-like
 NP_001018539.2 carboxypeptidase B2 precursor
 XP_004066650.1 carboxypeptidase B2-like
 XP_005157676.1 carboxypeptidase D isoform X1
 XP_691464.3 carboxypeptidase D isoform X2
 XP_006640987.1 carboxypeptidase D-like
 XP_005816554.1 carboxypeptidase D-like, partial
 NP_999975.1 carboxypeptidase E precursor
 XP_005164932.1 carboxypeptidase M isoform X1
 XP_006633640.1 carboxypeptidase M-like
 NP_997935.1 carboxypeptidase N catalytic chain precursor
 XP_001337309.3 carboxypeptidase N subunit 2
 NP_001073448.1 carboxypeptidase N subunit 2 precursor
 XP_005798572.1 carboxypeptidase Q-like
 XP_005160078.1 carboxypeptidase Z isoform X1
 XP_685713.4 carboxypeptidase Z isoform X2
 ADO27995.1 carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1
 ACB34357.1 Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 2
 XP_002665524.2 carcinoembryonic antigen-related cell adhesion molecule 5 isoform X1
 XP_001339347.4 carcinoembryonic antigen-related cell adhesion molecule 5-like
 XP_006123122.1 cardiac phospholamban isoform X1
 NP_998096.1 cardiolipin synthase
 NP_001073454.2 cardiomyopathy associated 5
 NP_001005587.1 carnitine O-acetyltransferase
 NP_001004594.2 carnitine O-acetyltransferase b
 NP_001073466.1 carnitine O-acetyltransferase-like
 AAO20903.1 carnitine octanoyltransferase
 XP_005164116.1 carnitine O-palmitoyltransferase 1, liver isoform isoform X1
 XP_005170764.1 carnitine O-palmitoyltransferase 1, liver isoform isoform X2
 XP_005166832.1 carnitine O-palmitoyltransferase 2, mitochondrial isoform X1
 BAD22535.1 carp C1q-like molecule
 XP_693888.5 cartilage acidic protein 1
 XP_685991.4 cartilage intermediate layer protein 1
 NP_001186291.1 cartilage intermediate layer protein 1 precursor
 XP_004085768.1 cartilage intermediate layer protein 1-like
 XP_005802709.1 cartilage intermediate layer protein 2-like
 XP_005159777.1 CAS1 domain-containing protein 1 isoform X1
 XP_005462082.1 CAS1 domain-containing protein 1-like
 Q1ECZ4.1 CAS3_DANRE RecName: Full=Protein CASC3; AltName: Full=Cancer susceptibility candidate gene 3 protein homolog; AltName: Full=Metastatic lymph node protein 51 homolog; Short=DrMLN51; Short=Protein MLN 51 homolog
 NP_571327.1 casein kinase 2, alpha 1 polypeptide
 XP_006021125.1 casein kinase I isoform alpha isoform X1
 XP_005558283.1 casein kinase I isoform alpha isoform X7
 XP_006137344.1 casein kinase I isoform delta isoform X1
 XP_006635194.1 casein kinase I isoform delta-B-like isoform X1
 XP_005625942.1 casein kinase I isoform epsilon isoform X4
 XP_005166657.1 casein kinase I isoform gamma-1 isoform X2
 XP_005638561.1 casein kinase I isoform gamma-1 isoform X7
 XP_005807166.1 casein kinase I isoform gamma-1-like
 XP_006628997.1 casein kinase I isoform gamma-1-like isoform X2
 XP_005141013.1 casein kinase I isoform gamma-2
 XP_003978108.1 casein kinase I isoform gamma-2-like isoform 1

XP_004553844.1	casein kinase I isoform gamma-2-like isoform X1
NP_001002164.1	casein kinase II alpha 1 subunit
XP_005159385.1	casein kinase II alpha 1 subunit isoform X1
EHB17185.1	Casein kinase II subunit alpha
XP_684260.2	casein kinase II subunit alpha' isoform X2
XP_003446554.1	casein kinase II subunit alpha-like
XP_006036180.1	casein kinase II subunit beta
XP_004781033.1	casein kinase II subunit beta isoform X1
XP_006627905.1	caseinolytic peptidase B protein homolog
XP_002664799.2	caseinolytic peptidase B protein homolog, partial
XP_002667004.2	caseinolytic peptidase X homolog b
XP_692129.4	caskin-1
XP_682906.4	caskin-1-like
XP_003199651.2	caskin-2 isoform X1
XP_005160428.1	caskin-2 isoform X2
NP_001254595.1	CASP8 and FADD-like apoptosis regulator
NP_919380.1	CASP8 and FADD-like apoptosis regulator a
AGS58196.1	caspase 3, partial
NP_001117743.1	caspase 6 precursor
CBN81450.1	Caspase 7, apoptosis-related cysteine peptidase
NP_001187127.1	caspase 8
ACV31396.1	caspase 9
XP_006630068.1	caspase activity and apoptosis inhibitor 1-like
BAC00527.1	caspase recruitment domain protein
XP_001333078.3	caspase recruitment domain-containing protein 11-like
XP_697127.4	caspase recruitment domain-containing protein 14
XP_005803133.1	caspase recruitment domain-containing protein 14-like
XP_002935230.1	caspase recruitment domain-containing protein 18-like isoformX2
XP_005808065.1	caspase recruitment domain-containing protein 8-like
XP_005809788.1	caspase recruitment domain-containing protein 9-like
XP_006641010.1	caspase-1-A-like
NP_001036160.1	caspase-2
XP_006802965.1	caspase-2-like isoform X4
NP_001188010.1	caspase-3
XP_005169284.1	caspase-3-like
ELK27097.1	Caspase-6
AGQ03809.1	caspase-8
XP_005165894.1	caspase-8 isoform X1
AGM34043.1	caspase-9
CAE52288.1	Caspase-like apoptosis regulatory protein 1, partial
XP_005170724.1	cat eye syndrome critical region protein 5
XP_005164731.1	cat eye syndrome critical region protein 6-like
ACL99859.2	catalase
ACO10015.1	Catechol O-methyltransferase
XP_006625469.1	catechol O-methyltransferase-like, partial
NP_001025328.2	catechol-O-methyltransferase a
NP_001157280.1	catechol-O-methyltransferase domain containing 1 precursor
XP_005382148.1	catenin alpha-1 isoform X2
XP_005916700.1	catenin alpha-1-like
XP_004556108.1	catenin alpha-1-like isoform X2
EOB08205.1	Catenin alpha-2
XP_005160130.1	catenin alpha-2 isoform X2
XP_004065917.1	catenin alpha-2-like
XP_006787241.1	catenin alpha-2-like isoform X2
EOB02930.1	Catenin beta-1, partial
XP_005160313.1	catenin delta-1 isoform X4
EGW05234.1	Catenin delta-2
XP_005163492.1	catenin delta-2 isoform X2
XP_005163493.1	catenin delta-2 isoform X3
XP_002666700.2	catenin delta-2 isoformX1
ETE69259.1	Catenin delta-2, partial
XP_006634656.1	catenin delta-2-like
XP_004565370.1	catenin delta-2-like isoform X7
BAE44111.1	cathepsin B preproprotein
NP_001187407.1	cathepsin D precursor
NP_001244039.1	cathepsin D1 precursor
XP_005157210.1	cathepsin F isoform X1
ADO28161.1	cathepsin H
ADO28234.1	cathepsin K
NP_001187379.1	cathepsin K precursor
XP_005797516.1	cathepsin K-like
ADO28278.1	cathepsin L
NP_001187996.1	cathepsin L precursor
NP_001187182.1	cathepsin L1 precursor
ADO27765.1	cathepsin S
XP_005159368.1	cathepsin Sa isoform X1
NP_001006043.1	cathepsin Z precursor
XP_005924828.1	cathepsin Z-like
XP_002661007.2	cathepsin Z-like isoform X1

ADO28280.1	cation transport regulator-like protein 1
NP_001025128.1	cation transport regulator-like protein 2
NP_998370.1	cation-dependent mannose-6-phosphate receptor precursor
NP_919408.2	cationic amino acid transporter 4
XP_005461559.1	cation-independent mannose-6-phosphate receptor
XP_005170236.1	cation-independent mannose-6-phosphate receptor isoform X1
NP_001034716.1	cation-independent mannose-6-phosphate receptor precursor
ABA29777.3	caudal
AAR16323.1	caveolin 2
NP_997816.1	caveolin-1 isoform a
XP_003441494.1	caveolin-2-like
XP_005161664.1	caytaxin isoform X1
XP_004068499.1	caytaxin-like
Q5RFV8.2	CB044_DANRE RecName: Full=WD repeat-containing protein C2orf44 homolog
NP_001158878.1	CB055 protein
XP_005748617.1	CB1 cannabinoid receptor-interacting protein 1-like isoform X2
XP_002665081.2	CBL-interacting serine/threonine-protein kinase 25-like
NP_001108363.1	cbp/p300-interacting transactivator 1
ACA48500.1	Cbp/p300-interacting transactivator 3b
XP_005170305.1	CBP80/20-dependent translation initiation factor isoform X2
XP_003216219.1	CBP80/20-dependent translation initiation factor isoform X4
XP_004549688.1	CBP80/20-dependent translation initiation factor-like isoform X4
	CBPE_LOPAM RecName: Full=Carboxypeptidase E; Short=CPE; AltName: Full=Carboxypeptidase
P37892.1	H; Short=CPH; AltName: Full=Enkephalin convertase; AltName: Full=Prohormone-processing
	carboxypeptidase; Flags: Precursor
AAI64709.1	Cbsb protein
NP_001038492.1	C-C chemokine receptor family-like
XP_003200187.1	c-C chemokine receptor type 5-like
XP_002664843.3	c-C chemokine receptor type 5-like isoform X1
XP_005173520.1	c-C chemokine receptor type 5-like isoform X2
ADO27978.1	c-c chemokine receptor type 6
XP_005913937.1	c-C chemokine receptor type 7-like
AAT52137.1	CC chemokine SCYA103
AAT52138.1	CC chemokine SCYA104
NP_001187125.1	CC chemokine SCYA104 variant 1 precursor
AAT52141.1	CC chemokine SCYA107
AAT52142.1	CC chemokine SCYA108
ABA54956.1	CC chemokine SCYA109
ABA54957.1	CC chemokine SCYA110
AAT52145.1	CC chemokine SCYA111
NP_001187124.1	CC chemokine SCYA112
AAT52148.1	CC chemokine SCYA114
ABA54962.1	CC chemokine SCYA115
ABA54965.1	CC chemokine SCYA118
ABA54966.1	CC chemokine SCYA119
ABA54967.1	CC chemokine SCYA120
ABA54968.1	CC chemokine SCYA121
ABA54970.1	CC chemokine SCYA124
XP_006640045.1	c-C motif chemokine 25-like
NP_001133933.1	CC032 protein
AAP92640.1	Cc1-3
Q66185.1	CC130_DANRE RecName: Full=Coiled-coil domain-containing protein 130 homolog
AAH56512.2	CCAAT/enhancer binding protein (C/EBP), delta
NP_571960.1	CCAAT/enhancer-binding protein alpha
NP_571961.1	CCAAT/enhancer-binding protein gamma
XP_006626261.1	CCAAT/enhancer-binding protein zeta-like
A7MC22.2	CCD69_DANRE RecName: Full=Coiled-coil domain-containing protein 69
AAH93327.1	Ccdc5 protein, partial
Q92161.1	CCNA1_CARAU RecName: Full=Cyclin-A1; Short=Cyclin-A
Q60FX9.1	CCNB2_ANGJA RecName: Full=G2/mitotic-specific cyclin-B2
XP_005157919.1	CCR4-NOT transcription complex subunit 10 isoform X1
XP_005157920.1	CCR4-NOT transcription complex subunit 10 isoform X2
NP_001082810.1	CCR4-NOT transcription complex subunit 11
XP_006639394.1	CCR4-NOT transcription complex subunit 11-like
XP_006795922.1	CCR4-NOT transcription complex subunit 1-like
XP_004069809.1	CCR4-NOT transcription complex subunit 1-like isoform 1
XP_005752886.1	CCR4-NOT transcription complex subunit 1-like isoform X3
XP_005163166.1	CCR4-NOT transcription complex subunit 2 isoform X1
XP_006121629.1	CCR4-NOT transcription complex subunit 2 isoform X3
XP_003202127.1	CCR4-NOT transcription complex subunit 2-like
XP_005955845.1	CCR4-NOT transcription complex subunit 3
XP_005158407.1	CCR4-NOT transcription complex subunit 3 isoform X4
XP_006804309.1	CCR4-NOT transcription complex subunit 3-like
XP_005457619.1	CCR4-NOT transcription complex subunit 3-like isoform X2
XP_697509.2	CCR4-NOT transcription complex subunit 4-like
XP_003974714.1	CCR4-NOT transcription complex subunit 6-like
XP_006631835.1	CCR4-NOT transcription complex subunit 6-like isoform X2
XP_005157302.1	CCR4-NOT transcription complex subunit 7 isoform X1
XP_006630178.1	CCR4-NOT transcription complex subunit 7-like

XP_003970891.1	CCR4-NOT transcription complex subunit 8-like
EAW97246.1	CCR4-NOT transcription complex, subunit 2, isoform CRA_b, partial
XP_005161450.1	CCR4-NOT transcription complex, subunit 6 isoform X2
XP_005165372.1	CCR4-NOT transcription complex, subunit 6-like isoform X1
XP_005452481.1	CD109 antigen
XP_005170868.1	CD109 antigen isoform X1
XP_697512.6	CD109 antigen isoform X2
XP_005732876.1	CD109 antigen-like
BAB39134.1	CD111-1
NP_991213.1	CD151 antigen
NP_001187512.1	CD151 molecule
XP_005159829.1	CD164 sialomucin-like 2 protein-like isoform X1
XP_005172692.1	CD166 antigen homolog A isoform X1
XP_004558156.1	CD166 antigen homolog A-like isoform X1
	CD166_CARAU RecName: Full=CD166 antigen homolog; AltName: Full=Activated leukocyte cell
Q90304.2	adhesion molecule; AltName: Full=DM-GRASP homolog; AltName: Full=Neuroilin; AltName:
	CD_antigen=CD166; Flags: Precursor
NP_001187010.1	CD18 precursor
XP_005165722.1	CD180 antigen-like
NP_957255.1	CD2 antigen cytoplasmic tail-binding protein 2
XP_003197803.2	CD209 antigen
XP_006787567.1	CD209 antigen-like
XP_005465649.1	CD209 antigen-like isoform X1
XP_005952843.1	CD209 antigen-like protein 2-like isoform X1
XP_005463343.1	CD209 antigen-like protein A-like
XP_003199399.1	CD209 antigen-like protein B-like
CBJ55520.2	CD209 antigen-like protein D
XP_006786160.1	CD209 antigen-like protein E-like isoform X2
NP_001186302.1	CD209 molecule
NP_001074115.1	CD226 antigen precursor
NP_001092698.2	CD248 molecule, endosialin a precursor
XP_005748962.1	CD276 antigen-like
NP_001008583.2	CD2-associated protein
XP_003977358.1	CD2-associated protein-like
NP_001187238.1	CD3 gamma/delta precursor
XP_002667680.1	CD302 antigen-like
CAZ61325.1	CD34b1 molecule, partial
A7YY97.1	CD37L_DANRE RecName: Full=Hsp90 co-chaperone Cdc37-like 1
NP_001138281.1	CD40 ligand
XP_003967457.1	CD44 antigen-like
XP_005170796.1	CD44 antigen-like isoform X2
ABD93355.1	CD4-like protein 1
ABD93352.1	CD4-like protein 2
XP_001336789.2	CD59 glycoprotein-like isoform X1
NP_001187161.1	CD59 precursor
AGS12542.1	CD59-like protein
AEA39678.1	CD63
NP_001187260.1	CD8 alpha precursor
NP_001187190.1	CD8 beta precursor
AGZ05740.1	CD80/86 antigen
NP_001117886.1	CD80-like protein
NP_001187236.1	CD81
XP_003973125.1	CD81 antigen-like
XP_005161955.1	CD81 protein-like
XP_005164653.1	CD82 antigen-like isoform X1
XP_006633875.1	CD9 antigen-like
NP_001117796.1	CD9 protein
NP_001268313.1	CD93 antigen precursor
XP_005172305.1	CD99 antigen-like 2 isoform X1
XP_005163315.1	CDC14 cell division cycle 14 homolog A, a isoform X1
NP_001108567.1	cdc25
NP_001039311.1	CDC42 effector protein (Rho GTPase binding) 1b
NP_001002183.1	CDC42 effector protein (Rho GTPase binding) 4a
XP_005156239.1	cdc42 effector protein 1-like
NP_001013549.1	cdc42 effector protein 2
NP_001004568.1	cdc42 effector protein 3
EDK97989.1	Cdc42 GTPase-activating protein, isoform CRA_b
XP_005157206.1	Cdc42 guanine nucleotide exchange factor 9 isoform X1
XP_006928393.1	cdc42-interacting protein 4
NP_001007404.1	cdc42-interacting protein 4 homolog
XP_004552173.1	cdc42-interacting protein 4 homolog isoform X1
NP_001013312.1	CDC-like kinase 4b
XP_005161451.1	CDC-like kinase 4b isoform X1
NP_956899.1	CDGSH iron sulfur domain 1
XP_003971997.1	CDGSH iron-sulfur domain-containing protein 2A-like
AAI62806.1	Cdh7 protein
XP_005163706.1	CDK5 and ABL1 enzyme substrate 1 isoform X1
XP_005163708.1	CDK5 and ABL1 enzyme substrate 1 isoform X3
XP_005742627.1	CDK5 and ABL1 enzyme substrate 1-like isoform X1

XP_005811150.1 CDK5 and ABL1 enzyme substrate 2-like
 XP_006639507.1 CDK5 regulatory subunit-associated protein 1-like
 ERE79961.1 CDK5 regulatory subunit-associated protein 1-like 1
 NP_001002105.1 CDK5 regulatory subunit-associated protein 3
 AAH55634.1 Cdk9 protein
 NP_001188073.1 cdk-activating kinase assembly factor mat1
 NP_998690.2 cdkn1a interacting zinc finger protein 1b
 NP_001006085.1 CDKN2A-interacting protein
 XP_003441787.1 CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial-like
 NP_001140147.1 CDP-diacylglycerol--serine O-phosphatidyltransferase
 P58781.2 CEC1A_DANRE RecName: Full=Adenosine deaminase CECR1-A; AltName: Full=Cat eye syndrome
 critical region protein 1 homolog A; Flags: Precursor
 XP_005161254.1 cell adhesion molecule 1a isoform X1
 NP_001107024.1 cell adhesion molecule 1b precursor
 XP_006642353.1 cell adhesion molecule 1-like
 XP_005937935.1 cell adhesion molecule 1-like isoform X1
 XP_004551279.1 cell adhesion molecule 1-like isoform X5
 XP_005157532.1 cell adhesion molecule 2b isoform X3
 NP_001107027.1 cell adhesion molecule 2b precursor
 XP_006628304.1 cell adhesion molecule 2-like
 XP_004550078.1 cell adhesion molecule 2-like isoform X3
 ABW73823.1 cell adhesion molecule 3
 XP_005171448.1 cell adhesion molecule 3 isoform X1
 XP_005729002.1 cell adhesion molecule 3-like isoform X1
 XP_005158169.1 cell adhesion molecule 4 isoform X2
 XP_005158170.1 cell adhesion molecule 4 isoform X3
 NP_001007429.1 cell adhesion molecule 4 precursor
 XP_694556.3 cell adhesion molecule 4-like
 XP_005162018.1 cell adhesion molecule with homology to L1CAM (close homolog of L1) a isoform X1
 XP_002662564.3 cell adhesion molecule with homology to L1CAM (close homolog of L1) b, partial
 NP_001075097.1 cell adhesion molecule-related/down-regulated by oncogenes precursor
 NP_001187885.1 cell cycle checkpoint protein RAD1
 XP_005171890.1 cell cycle checkpoint protein RAD17 isoform X1
 ACI32902.1 Cell cycle control protein 50A
 XP_005798095.1 cell cycle control protein 50A-like
 NP_001002179.1 cell cycle control protein 50B
 XP_005925688.1 cell cycle control protein 50B-like isoform X1
 NP_956890.1 cell cycle control protein 50C
 NP_001167036.1 cell cycle progression 1
 ADO28285.1 cell death activator cide-3
 NP_001038757.2 cell death regulator aven-like
 XP_004552251.1 cell death-inducing p53-target protein 1-like
 NP_001187747.1 cell differentiation protein rcd1-like protein
 NP_001187396.1 cell division control protein 2-like protein
 ACI69151.1 Cell division control protein 42 homolog precursor
 ELK02172.1 Cell division control protein 42 like protein
 ABC87083.1 cell division cycle 16
 NP_001128154.1 cell division cycle 25 homolog d
 NP_957378.2 cell division cycle 5-like protein
 XP_005171217.1 cell division cycle 7-related protein kinase isoform X1
 NP_001139071.1 cell division cycle and apoptosis regulator protein 1
 XP_005156709.1 cell division cycle and apoptosis regulator protein 1 isoform X2
 XP_003964079.1 cell division cycle and apoptosis regulator protein 1-like
 XP_002665508.2 cell division cycle associated 7b
 AAV28474.1 cell division cycle associated 8
 ADO28418.1 cell division cycle protein 123-like protein
 XP_004081490.1 cell division cycle protein 16 homolog
 NP_957227.1 cell division cycle protein 23 homolog
 XP_004041528.1 cell division cycle protein 27 homolog
 XP_005171623.1 cell division cycle protein 27 homolog isoform X1
 NP_001076292.1 cell division cycle-associated protein 2
 XP_005160620.1 cell division cycle-associated protein 4 isoform X1
 NP_001017574.1 cell division cycle-associated protein 7
 NP_001017622.1 cell division protein kinase 10
 NP_998571.1 cell division protein kinase 2
 NP_001188211.1 cell division protein kinase 7
 NP_997756.1 cell division protein kinase 9
 NP_956973.1 cell growth-regulating nucleolar protein
 XP_005450364.1 cell growth-regulating nucleolar protein-like
 XP_005168347.1 cell surface A33 antigen isoform X1
 XP_005167915.1 cell surface A33 antigen-like
 XP_003199235.2 cell surface glycoprotein CD200 receptor 1-A isoform X1
 XP_004551429.1 cell surface glycoprotein CD200 receptor 1-A-like isoform X2
 XP_004076877.1 cell surface glycoprotein MUC18-like
 XP_005163310.1 cell wall integrity and stress response component 2-like
 XP_001342377.2 cell wall protein DAN4-like
 XP_005473080.1 cell wall protein DAN4-like isoform X3
 XP_007179233.1 cellular nucleic acid-binding protein isoform X1
 XP_003199446.2 cellular nucleic acid-binding protein isoform X3

NP_878278.1	cellular retinoic acid binding protein 1a
ACM08816.1	Cellular retinoic acid-binding protein
NP_001187534.1	cellular retinoic acid-binding protein 1
NP_001266048.1	cellular retinoic acid-binding protein 1-like protein
NP_001187005.1	cellular tumor antigen p53
AAI51945.1	Cenpk protein
NP_001133772.1	Centaurin-beta-1
XP_001922129.3	centlein isoform X1
XP_005159969.1	centlein isoform X3
XP_004066038.1	centlein-like
XP_003762204.1	centlein-like, partial
ACJ02097.1	centrin 2
EMP41157.1	Centrin-3
XP_002663889.2	centriolar coiled-coil protein of 110 kDa-like
XP_005160215.1	centriole, cilia and spindle-associated protein-like
XP_001919236.4	centriolin-like
XP_002667195.3	centriolin-like isoform X1
ERE69408.1	centrobin
XP_005157221.1	centromere protein F-like isoform X2
XP_697409.4	centromere protein J
ETE73656.1	Centromere protein J, partial
XP_005170263.1	centromere protein J-like
NP_001003878.1	centromere protein L precursor
NP_001187431.1	centromere protein M
NP_001134491.1	centromere protein N
XP_005158620.1	centromere protein O isoform X1
XP_005168071.1	centromere protein Q-like
XP_002664344.2	centromere protein U-like
XP_004076671.1	centromere protein V-like
NP_956435.1	centromere/kinetochore protein zw10 homolog
XP_005448314.1	centromere-associated protein E-like isoform X1
XP_005160735.1	centrosomal protein 57-like 1 isoform X1
XP_005156892.1	centrosomal protein 68 isoform X1
XP_005170254.1	centrosomal protein 85, like isoform X1
XP_005737474.1	centrosomal protein KIAA1731-like isoform X2
NP_001091860.1	centrosomal protein kizuna
XP_005158959.1	centrosomal protein kizuna isoform X1
XP_003199125.2	centrosomal protein of 104 kDa isoform X1
XP_005167011.1	centrosomal protein of 104 kDa isoform X3
XP_006017414.1	centrosomal protein of 112 kDa
XP_006635543.1	centrosomal protein of 112 kDa-like
NP_001186919.1	centrosomal protein of 135 kDa
XP_005160628.1	centrosomal protein of 135 kDa isoform X1
XP_005923360.1	centrosomal protein of 135 kDa-like isoform X3
XP_694227.4	centrosomal protein of 152 kDa isoform X2
XP_005158293.1	centrosomal protein of 162 kDa isoform X1
XP_690522.2	centrosomal protein of 162 kDa isoform X2
XP_002664791.3	centrosomal protein of 164 kDa-like
XP_005156635.1	centrosomal protein of 170 kDa isoform X1
XP_685634.6	centrosomal protein of 170 kDa isoform X2
XP_005160385.1	centrosomal protein of 170 kDa protein B isoform X2
XP_005160386.1	centrosomal protein of 170 kDa protein B isoform X3
XP_001332109.5	centrosomal protein of 170 kDa protein B-like
XP_005742842.1	centrosomal protein of 170 kDa protein B-like isoform X1
XP_006638496.1	centrosomal protein of 170 kDa-like
NP_001028906.1	centrosomal protein of 19 kDa
XP_005803545.1	centrosomal protein of 192 kDa-like
XP_005456836.1	centrosomal protein of 192 kDa-like isoform X1
ACI68147.1	Centrosomal protein of 27 kDa
XP_005163077.1	centrosomal protein of 290 kDa isoform X1
XP_004086323.1	centrosomal protein of 290 kDa-like
NP_001002194.1	centrosomal protein of 41 kDa
XP_005948251.1	centrosomal protein of 44 kDa-like isoform X3
XP_006630423.1	centrosomal protein of 55 kDa-like
XP_006628195.1	centrosomal protein of 57 kDa-like
NP_001108048.1	centrosomal protein of 70 kDa
XP_005161738.1	centrosomal protein of 70 kDa isoform X1
XP_006636031.1	centrosomal protein of 76 kDa-like isoform X1
XP_005167404.1	centrosomal protein of 78 kDa isoform X1
XP_693164.4	centrosomal protein of 78 kDa isoform X2
XP_001345921.5	centrosomal protein of 83 kDa
XP_690486.4	centrosomal protein of 85 kDa isoform X5
XP_005169029.1	centrosomal protein of 89 kDa isoform X1
XP_006635534.1	centrosomal protein of 95 kDa-like
XP_005942825.1	centrosomal protein of 95 kDa-like isoform X2
XP_005463324.1	centrosomal protein of 95 kDa-like isoform X3
XP_006788355.1	centrosomal protein of 97 kDa-like
XP_005165305.1	centrosomal protein POC5 isoform X1
XP_691080.3	centrosomal protein POC5 isoform X2

XP_006634058.1 centrosome and spindle pole-associated protein 1-like
 XP_698463.6 centrosome and spindle pole-associated protein 1-like, partial
 XP_005166972.1 centrosome-associated protein 350 isoform X3
 XP_005166973.1 centrosome-associated protein 350 isoform X4
 XP_005172082.1 centrosome-associated protein 350-like isoform X1
 XP_005167552.1 centrosome-associated protein CEP250 isoform X1
 XP_005997479.1 centrosome-associated protein CEP250-like
 Q501X2.2 CEP72_DANRE RecName: Full=Centrosomal protein of 72 kDa; Short=Cep72
 FIR4Y7.2 CEP83_DANRE RecName: Full=Centrosomal protein of 83 kDa; Short=Cep83; AltName: Full=Coiled-coil domain-containing protein 41
 NP_001019378.1 ceramide glucosyltransferase
 XP_006626635.1 ceramide glucosyltransferase-like
 NP_001099056.1 ceramide kinase
 XP_005168600.1 ceramide kinase isoform X1
 NP_001082943.1 ceramide kinase-like protein
 NP_705957.1 ceramide synthase 2a
 XP_002662790.2 ceramide synthase 2-like
 XP_002661020.2 ceramide synthase 2-like isoform X1
 XP_006629421.1 ceramide synthase 5-like
 XP_005453020.1 ceramide synthase 6-like isoform X2
 NP_001003497.1 ceramide-1-phosphate transfer protein
 XP_004558355.1 cerebellar degeneration-related protein 2-like
 NP_001122160.1 cerebellin 2a precursor
 NP_001092208.1 cerebellin 2b precursor
 NP_001230247.1 cerebellin-1 precursor
 XP_004081065.1 cerebellin-2-like
 XP_005057457.1 cerebellin-4
 XP_697096.5 cerebral cavernous malformation 2-like
 NP_001116753.1 cerebral dopamine neurotrophic factor precursor
 NP_001005982.1 ceroid-lipofuscinosis, neuronal 6a
 XP_005169032.1 ceroid-lipofuscinosis, neuronal 6a isoform X1
 ADX33321.1 ceruloplasmin
 XP_004068133.1 ceruloplasmin-like
 ABK81647.1 C-family odorant receptor OLFCT1
 AHH92789.1 c-Fos proto-oncogene
 NP_001134987.1 CG030 protein
 NP_001140101.1 CG050 protein
 AAQ97998.1 CG17293-PA-like protein
 BAF63413.1 cGMP phosphodiesterase gamma subunit 6H
 XP_006035749.1 cGMP-dependent 3',5'-cyclic phosphodiesterase
 XP_006628196.1 cGMP-dependent 3',5'-cyclic phosphodiesterase-like
 XP_005454406.1 cGMP-dependent 3',5'-cyclic phosphodiesterase-like isoform X1
 XP_005454407.1 cGMP-dependent 3',5'-cyclic phosphodiesterase-like isoform X2
 XP_002665675.3 cGMP-dependent protein kinase 1
 XP_005157115.1 cGMP-dependent protein kinase 1 isoform X1
 EMC87582.1 cGMP-dependent protein kinase 1, alpha isozyme
 XP_694793.4 cGMP-dependent protein kinase 1, partial
 XP_003199197.2 cGMP-dependent protein kinase 1-like
 XP_003964012.1 cGMP-dependent protein kinase 1-like isoform 2
 XP_005948539.1 cGMP-dependent protein kinase 1-like isoform X1
 XP_006630439.1 cGMP-dependent protein kinase 1-like isoform X2
 XP_005474267.1 cGMP-dependent protein kinase 1-like isoform X3
 XP_003438314.1 cGMP-dependent protein kinase 1-like isoformX2
 NP_001098749.1 cGMP-dependent protein kinase 2
 XP_005165316.1 cGMP-dependent protein kinase 2 isoform X1
 XP_005555014.1 cGMP-dependent protein kinase 2 isoform X5
 XP_684200.5 cGMP-dependent protein kinase 2-like
 XP_006626810.1 cGMP-dependent protein kinase 2-like isoform X1
 NP_001098184.1 cGMP-dependent protein kinase I alpha
 XP_005450976.1 cGMP-inhibited 3',5'-cyclic phosphodiesterase A isoform X2
 XP_005474743.1 cGMP-inhibited 3',5'-cyclic phosphodiesterase A-like isoform X1
 XP_005929159.1 cGMP-inhibited 3',5'-cyclic phosphodiesterase A-like isoform X2
 XP_691883.4 cGMP-inhibited 3',5'-cyclic phosphodiesterase B
 XP_006642656.1 cGMP-inhibited 3',5'-cyclic phosphodiesterase B-like
 XP_005166620.1 cGMP-specific 3',5'-cyclic phosphodiesterase isoform X1
 XP_005166621.1 cGMP-specific 3',5'-cyclic phosphodiesterase isoform X2
 NP_003966789.1 cGMP-specific 3',5'-cyclic phosphodiesterase-like
 XP_001002728.2 chaperone activity of bc1 complex-like, mitochondrial
 XP_005454356.1 chaperone activity of bc1 complex-like, mitochondrial-like isoform X1
 AAH53271.1 Chaperonin containing TCP1, subunit 3 (gamma)
 AA163866.1 Chaperonin containing TCP1, subunit 7 (eta)
 NP_001188047.1 charged multivesicular body protein 1b
 XP_007123173.1 charged multivesicular body protein 2a isoform X1
 XP_006069178.1 charged multivesicular body protein 2b isoform X2
 XP_004548898.1 charged multivesicular body protein 4b-like
 ADO28296.1 charged multivesicular body protein 4c
 NP_001187847.1 charged multivesicular body protein 5
 XP_004079491.1 charged multivesicular body protein 5-like
 ELW68220.1 Charged multivesicular body protein 6

NP_957075.1 charged multivesicular body protein 7
 BOR016.2 CHD8_DANRE RecName: Full=Chromodomain-helicase-DNA-binding protein 8; Short=CHD-8; AltName: Full=ATP-dependent helicase CHD8
 NP_001154046.1 Checkpoint protein HUS1
 AAQ01586.1 chemokine
 NP_001129726.1 chemokine (C-C motif) ligand 20-like precursor
 NP_001002675.1 chemokine (C-C motif) receptor 10
 NP_932334.1 chemokine (C-X-C motif) ligand 12b (stromal cell-derived factor 1) precursor
 XP_005173545.1 chemokine (C-X-C motif) receptor 3.1 isoform X1
 AHK09953.1 chemokine C motif receptor XCR1
 NP_001108574.1 chemokine CCL-C11b precursor
 XP_001332348.1 chemokine XC receptor 1
 XP_005171500.1 chemokine XC receptor 1-like
 XP_005163720.1 chemokine-binding protein 2-like
 XP_005145225.1 chemokine-like receptor 1
 XP_003200236.2 chemokine-like receptor 1-like
 AAI24467.1 Cherp protein
 AAI71621.1 Chibby homolog 1 (Drosophila)
 AAW19632.1 chimaerin
 NP_999858.2 chimera galectin Gal3
 NP_001187344.1 chitinase domain-containing protein 1
 NP_998215.1 chitinase, acidic.1 precursor
 NP_998414.1 chitinase, acidic.2 precursor
 XP_005461757.1 chitinase-like protein PB1E7.04c-like
 XP_005473093.1 chitinase-like protein PB1E7.04c-like isoform X2
 NP_956161.1 chitobiosyldiphosphodolichol beta-mannosyltransferase
 AAI63083.1 Chka protein
 NP_001076379.1 chloride channel 1, skeletal muscle
 XP_005800593.1 chloride channel CLIC-like protein 1-like
 NP_956676.1 chloride channel Kb
 ELW47549.1 Chloride channel protein 1
 XP_695866.4 chloride channel protein 1-like
 XP_005455473.1 chloride channel protein 1-like isoform X2
 XP_003966348.1 chloride channel protein 1-like, partial
 XP_006260834.1 chloride channel protein 2
 XP_005938370.1 chloride channel protein 2-like
 XP_003456360.2 chloride channel protein 2-like isoform X1
 XP_005461058.1 chloride channel protein 2-like isoform X2
 XP_005722973.1 chloride intracellular channel protein 2-like isoform X2
 NP_958894.1 chloride intracellular channel protein 4
 XP_004566625.1 chloride intracellular channel protein 4-like
 ADX97223.1 chloride intracellular channel protein 5
 XP_002660373.1 chloride intracellular channel protein 6-like
 ELK27997.1 Chloride transport protein 6
 XP_696527.3 chloride transport protein 6 isoform X2
 XP_725665.1 chloroquine resistance marker protein
 AAH96773.1 Chm protein
 AAH66676.1 CHMP family, member 7
 NP_001187454.1 cholecystokinin precursor
 AGG68114.1 cholecystokinin receptor type A
 XP_002663361.2 cholecystokinin receptor-like isoform X1
 XP_001344424.1 cholesterol 25-hydroxylase-like
 NP_001188084.1 cholesterol 25-hydroxylase-like protein
 NP_001007361.1 cholesteryl ester transfer protein precursor
 XP_002663301.2 choline dehydrogenase, mitochondrial
 XP_004070379.1 choline dehydrogenase, mitochondrial-like
 XP_005159162.1 choline kinase alpha isoform X1
 NP_001124191.1 choline O-acetyltransferase
 XP_005471447.1 choline O-acetyltransferase-like
 XP_006629823.1 choline transporter-like protein 1-like
 XP_005467241.1 choline transporter-like protein 1-like isoform X2
 XP_005924096.1 choline transporter-like protein 1-like isoform X3
 XP_003201667.1 choline transporter-like protein 1-like, partial
 NP_942572.1 choline transporter-like protein 2
 XP_006631698.1 choline transporter-like protein 2-like
 XP_005924991.1 choline transporter-like protein 2-like isoform X1
 XP_005926792.1 choline transporter-like protein 2-like isoform X3
 NP_956707.1 choline transporter-like protein 4
 XP_005796545.1 choline transporter-like protein 4-like
 NP_001189363.1 choline transporter-like protein 5-B
 XP_003974083.1 choline transporter-like protein 5-B-like
 NP_001093482.1 choline/ethanolamine kinase
 NP_001138264.1 choline/ethanolamine phosphotransferase 1a
 NP_001016434.1 choline/ethanolaminephosphotransferase 1
 XP_005917862.1 choline/ethanolaminephosphotransferase 1-like
 NP_001017634.1 choline-phosphate cytidylyltransferase A
 XP_004943395.1 choline-phosphate cytidylyltransferase A isoform X4
 XP_006637894.1 choline-phosphate cytidylyltransferase A-like
 XP_005809910.1 choline-phosphate cytidylyltransferase B-like

NP_997789.1	cholinephosphotransferase 1
XP_005811994.1	cholinephosphotransferase 1-like
XP_005160785.1	cholinergic receptor, muscarinic 5b isoform X1
NP_001041528.1	cholinergic receptor, nicotinic, alpha 4b precursor
NP_001035417.1	cholinergic receptor, nicotinic, alpha polypeptide 2a precursor
AAI62599.1	Cholinergic receptor, nicotinic, alpha polypeptide 7
NP_001233249.1	cholinergic receptor, nicotinic, beta 1 (muscle) like
NP_957514.1	cholinergic receptor, nicotinic, beta polypeptide 3a precursor
NP_001240740.1	cholinergic receptor, nicotinic, gamma precursor
NP_957357.1	chondroadherin precursor
NP_001274009.1	chondroadherin-like b precursor
XP_001333479.4	chondroitin sulfate N-acetylgalactosaminyltransferase 1-like
XP_005456290.1	chondroitin sulfate N-acetylgalactosaminyltransferase 1-like isoform X2
NP_001119869.1	chondroitin sulfate N-acetylgalactosaminyltransferase 2
XP_001923457.2	chondroitin sulfate proteoglycan 4
XP_005165450.1	chondroitin sulfate proteoglycan 4-like
NP_001038357.1	chondroitin sulfate proteoglycan 5 (neuroglycan C) precursor
XP_005158338.1	chondroitin sulfate proteoglycan 5 isoform X5
XP_704780.3	chondroitin sulfate proteoglycan 5 isoform X6
XP_006791872.1	chondroitin sulfate proteoglycan 5-like isoform X1
NP_997843.1	chondroitin sulfate synthase 1 precursor
XP_001923418.1	chondroitin sulfate synthase 2-like
XP_006626896.1	chondroitin sulfate synthase 3-like isoform X1
NP_001017578.1	chondrolectin precursor
NP_001098383.1	chondromodulin-I
BAO51897.1	chordin B
XP_004075770.1	chordin-like
NP_001124431.1	chordin-like protein 2 precursor
NP_001005603.1	chorion-specific transcription factor GCMb
EMP29661.1	Chromaffin granule amine transporter
XP_700171.6	chromaffin granule amine transporter-like
XP_006787903.1	chromatin accessibility complex protein 1-like
NP_001038478.2	chromatin assembly factor 1 subunit A
XP_005167746.1	chromatin assembly factor 1 subunit B isoform X1
XP_006627509.1	chromatin complexes subunit BAP18-like
XP_005455388.1	chromatin modification-related protein eaf-1-like
XP_005084451.1	chromatin modification-related protein MEAF6
XP_005411480.1	chromatin target of PRMT1 protein isoform X5
XP_005814689.1	chromatin target of PRMT1 protein-like isoform X1
XP_005161872.1	chromobox 6 isoform X1
NP_001017853.1	chromobox homolog 7a
XP_005220681.1	chromobox protein homolog 1 isoform X1
NP_919354.1	chromobox protein homolog 2
XP_004070517.1	chromobox protein homolog 5-like
XP_005171671.1	chromobox protein homolog 6 isoform X1
XP_003198137.2	chromobox protein homolog 8-like
NP_001187710.1	chromobox protein-like protein 3
XP_005155559.1	chromodomain helicase DNA binding protein 1 isoform X2
NP_001268391.1	chromodomain helicase DNA binding protein 2
XP_005159409.1	chromodomain helicase DNA binding protein 4 isoform X2
XP_696879.5	chromodomain protein, Y-like
XP_006641287.1	chromodomain Y-like protein 2-like
EMC86112.1	Chromodomain Y-like protein, partial
ETE57035.1	Chromodomain-helicase-DNA-binding protein 1, partial
NP_956607.1	chromodomain-helicase-DNA-binding protein 1-like
XP_006628929.1	chromodomain-helicase-DNA-binding protein 2-like
XP_005729987.1	chromodomain-helicase-DNA-binding protein 2-like isoform X4
XP_005933092.1	chromodomain-helicase-DNA-binding protein 2-like isoform X6
XP_005172293.1	chromodomain-helicase-DNA-binding protein 3 isoform X2
XP_696641.3	chromodomain-helicase-DNA-binding protein 3 isoform X3
XP_005744992.1	chromodomain-helicase-DNA-binding protein 3-like isoform X3
XP_005158245.1	chromodomain-helicase-DNA-binding protein 4 isoform X2
XP_005457586.1	chromodomain-helicase-DNA-binding protein 4 isoform X3
XP_685699.4	chromodomain-helicase-DNA-binding protein 4 isoform X1
XP_006804295.1	chromodomain-helicase-DNA-binding protein 4-like
XP_003199545.2	chromodomain-helicase-DNA-binding protein 5
XP_005469702.1	chromodomain-helicase-DNA-binding protein 5-like
ABC94614.1	chromodomain-helicase-DNA-binding protein 6
XP_006639809.1	chromodomain-helicase-DNA-binding protein 6-like
XP_697956.4	chromodomain-helicase-DNA-binding protein 7
XP_006634075.1	chromodomain-helicase-DNA-binding protein 7-like
XP_003978511.1	chromodomain-helicase-DNA-binding protein 7-like, partial
XP_005171369.1	chromodomain-helicase-DNA-binding protein 8 isoform X1
XP_005171370.1	chromodomain-helicase-DNA-binding protein 8 isoform X2
XP_004565479.1	chromodomain-helicase-DNA-binding protein 8-like
XP_005933727.1	chromodomain-helicase-DNA-binding protein 8-like isoform X1
XP_005476011.1	chromodomain-helicase-DNA-binding protein 8-like isoform X2
XP_001922536.4	chromodomain-helicase-DNA-binding protein 9 isoform X1
XP_005169071.1	chromodomain-helicase-DNA-binding protein 9 isoform X4

XP_004067485.1 chromodomain-helicase-DNA-binding protein 9-like
 XP_005725133.1 chromogranin-A-like
 NP_999941.1 chromosome 13 open reading frame 1
 NP_001070630.1 chromosome 22 open reading frame 13
 NP_001018611.1 chromosome 4 open reading frame 32
 NP_998084.1 chromosome 7 open reading frame 23
 NP_862902.1 chromosome alignment-maintaining phosphoprotein 1
 NP_001187296.1 chromosome transmission fidelity protein 8-like protein
 XP_006799523.1 chromosome-associated kinesin KIF4-like
 Q6DBY9.2 CHST1_DANRE RecName: Full=Carbohydrate sulfotransferase 1; AltName: Full=Keratan sulfate Gal-6 sulfotransferase; Short=KS6ST; Short=KSGal6ST; Short=KSST
 Q7T3S3.1 CHSTB_DANRE RecName: Full=Carbohydrate sulfotransferase 11; AltName: Full=Chondroitin 4-O-sulfotransferase 1; AltName: Full=Chondroitin 4-sulfotransferase 1; Short=C4ST-1; Short=C4ST1; Short=zC4ST-1
 NP_001188076.1 churchill
 XP_003452731.2 chymotrypsin-like elastase family member 2A-like
 XP_003973964.1 chymotrypsin-like elastase family member 3B-like
 XP_005754161.1 chymotrypsin-like protease CTRL-1-like
 BAL14137.1 chymotrypsinogen 2
 NP_001135129.1 CI085 protein
 ACO14132.1 CIAO1
 NP_001091712.1 ciliary neurotrophic factor receptor subunit alpha precursor
 XP_005159442.1 cingulin isoform X1
 XP_005936124.1 cingulin-like
 XP_003199047.1 cingulin-like 1
 XP_689920.3 cingulin-like isoform X2
 XP_006789221.1 cingulin-like protein 1-like
 XP_005470541.1 cingulin-like protein 1-like isoform X2
 XP_006789025.1 cip1-interacting zinc finger protein-like
 XP_001922931.3 circularly permuted Ras protein 1-like
 XP_005169982.1 cirhin isoform X1
 XP_004556265.1 cirhin-like
 Q6S9V8.1 CISO_THUOB RecName: Full=Citrate synthase, mitochondrial; AltName: Full=Citrate (Si)-synthase; Flags: Precursor
 AAI71650.1 Cited3 protein
 AAI09460.1 Citrate lyase beta-like
 XP_005435821.1 citrate synthase, mitochondrial
 XP_003201261.1 citrate synthase, mitochondrial-like
 AFK25380.1 citrate synthase, partial
 XP_005798002.1 citron Rho-interacting kinase-like
 XP_002661971.3 citron Rho-interacting kinase-like isoform X1
 XP_005171784.1 citron Rho-interacting kinase-like isoform X2
 XP_005172510.1 citron Rho-interacting kinase-like isoform X3
 XP_005172511.1 citron Rho-interacting kinase-like isoform X4
 XP_005918681.1 citron Rho-interacting kinase-like isoform X6
 XP_005918682.1 citron Rho-interacting kinase-like isoform X7
 XP_005166725.1 citron Rho-interacting kinase-like, partial
 EDM13858.1 citron, isoform CRA_b
 NP_001134772.1 CJ011 protein
 XP_003201433.2 c-Jun-amino-terminal kinase-interacting protein 1-like
 XP_005443544.1 c-Jun-amino-terminal kinase-interacting protein 2
 XP_685086.6 c-Jun-amino-terminal kinase-interacting protein 2 isoform 1
 XP_002189998.2 c-Jun-amino-terminal kinase-interacting protein 3
 XP_003454028.1 c-Jun-amino-terminal kinase-interacting protein 3 isoformX1
 XP_006807907.1 c-Jun-amino-terminal kinase-interacting protein 3-like
 XP_004071570.1 c-Jun-amino-terminal kinase-interacting protein 3-like isoform 1
 ERE68081.1 c-Jun-amino-terminal kinase-interacting protein 4
 XP_006774280.1 c-Jun-amino-terminal kinase-interacting protein 4 isoform X1
 XP_005163948.1 c-Jun-amino-terminal kinase-interacting protein 4-like
 XP_005457757.1 c-Jun-amino-terminal kinase-interacting protein 4-like isoform X1
 XP_005925361.1 c-Jun-amino-terminal kinase-interacting protein 4-like isoform X2
 XP_006001278.1 c-Jun-amino-terminal kinase-interacting protein 4-like isoform X4
 NP_001158820.1 CK002 protein
 NP_001135017.1 CK068 protein
 AAH44342.1 Ck2a2 protein
 XP_005806821.1 CKLF-like MARVEL transmembrane domain-containing protein 4-like
 NP_001123586.1 CKLF-like MARVEL transmembrane domain-containing protein 7
 NP_001133870.1 CL011 protein
 NP_001167356.1 CL026 protein
 NP_001108162.1 clarin 2
 NP_001002671.1 clarin-1
 XP_006637485.1 clarin-1-like
 NP_001167247.1 Clarin-3
 XP_004548983.1 claspin-like isoform X2
 XP_005157764.1 class A basic helix-loop-helix protein 9-like
 XP_006639673.1 class E basic helix-loop-helix protein 23-like
 NP_997844.2 class E basic helix-loop-helix protein 40
 NP_001034196.1 class E basic helix-loop-helix protein 41
 AFL70283.1 class II major histocompatibility complex transactivator

XP_005158434.1	clathrin coat assembly protein AP180 isoform X2
XP_005158435.1	clathrin coat assembly protein AP180 isoform X3
XP_004377915.1	clathrin heavy chain 1
XP_004870416.1	clathrin heavy chain 1 isoform X2
XP_006640921.1	clathrin heavy chain 1-like isoform X1
XP_005720668.1	clathrin heavy chain 1-like isoform X7
ELW64722.1	Clathrin heavy chain 2
XP_005662612.1	clathrin heavy chain linker domain-containing protein 1 isoform X4
XP_006638533.1	clathrin heavy chain linker domain-containing protein 1-like
AAH85520.1	Clathrin interactor 1
XP_003200937.2	clathrin interactor 1-like
XP_004086055.1	clathrin light chain A-like
NP_001181907.1	clathrin, heavy polypeptide b (Hc)
NP_001007038.1	claudin 10a precursor
XP_005169784.1	claudin 15-like b isoform X1
NP_001104000.1	claudin 17
NP_001004559.2	claudin 2
NP_001182089.1	claudin 28b
NP_001003733.1	claudin 8
NP_001017799.1	claudin 8-like
XP_004571269.1	claudin domain-containing protein 1-like isoform X1
XP_005464496.1	claudin domain-containing protein 1-like isoform X2
AGS58205.1	claudin F
NP_571844.1	claudin j
NP_001003464.1	claudin k
NP_571845.1	claudin-1 precursor
XP_003440934.2	claudin-10-like
NP_001002624.1	claudin-11
XP_004540240.1	claudin-11-like
AGS58199.1	claudin-12
NP_001133795.1	Claudin-14 precursor
ADO28106.1	claudin-15
NP_001187722.1	claudin-15 precursor
XP_003971184.1	claudin-15-like
ELK33188.1	Claudin-18
XP_003971075.1	claudin-18-like
XP_006639174.1	claudin-19-like
XP_005169938.1	claudin-20-like
XP_001337447.2	claudin-23
XP_001333025.2	claudin-23-like
NP_001188045.1	claudin-3
XP_005157437.1	claudin-3-like
XP_697281.2	claudin-3-like isoform 2
NP_001187850.1	claudin-4
XP_004076223.1	claudin-4-like
XP_003974983.1	claudin-5-like
XP_002660634.2	claudin-6-like
AGS58200.1	claudin-7
NP_001002340.1	claudin-7-A
XP_005157436.1	claudin-9-like
NP_851295.1	claudin-like protein ZF-A89
XP_005817417.1	claudin-like protein ZF-A89-like
NP_851296.1	claudin-like protein ZF-A9
AAH93313.1	Cldn10l2 protein, partial
AAT68117.1	cleavage and polyadenylation specific factor 1
XP_005159641.1	cleavage and polyadenylation specificity factor subunit 1 isoform X1
XP_006162495.1	cleavage and polyadenylation specificity factor subunit 1 isoform X3
XP_006635979.1	cleavage and polyadenylation specificity factor subunit 1-like
XP_004563760.1	cleavage and polyadenylation specificity factor subunit 1-like isoform X1
XP_004563762.1	cleavage and polyadenylation specificity factor subunit 1-like isoform X3
XP_005170269.1	cleavage and polyadenylation specificity factor subunit 2 isoform X1
NP_001133354.1	cleavage and polyadenylation specificity factor subunit 3
XP_005160689.1	cleavage and polyadenylation specificity factor subunit 3 isoform X1
XP_005397995.1	cleavage and polyadenylation specificity factor subunit 4 isoform X2
NP_001188025.1	cleavage and polyadenylation specificity factor subunit 5
XP_005741751.1	cleavage and polyadenylation specificity factor subunit 5-like
XP_005942734.1	cleavage and polyadenylation specificity factor subunit 6-like
XP_006780750.1	cleavage and polyadenylation specificity factor subunit 6-like isoform X1
NP_001167169.1	Cleavage and polyadenylation specificity factor subunit 7
XP_005288392.1	cleavage stimulation factor subunit 2 isoform X1
XP_005722993.1	cleavage stimulation factor subunit 2-like isoform X3
NP_998218.2	cleavage stimulation factor subunit 3
XP_003442284.1	cleavage stimulation factor subunit 3-like
XP_003977904.1	cleavage stimulation factor subunit 3-like isoform 2
NP_001158824.1	Cleft lip and palate transmembrane protein 1
XP_003454853.1	cleft lip and palate transmembrane protein 1 homolog
NP_001002380.1	cleft lip and palate transmembrane protein 1-like protein
XP_003444157.1	cleft lip and palate transmembrane protein 1-like protein-like isoform 1
NP_001108611.1	CLIP-associating protein 1

XP_005167891.1 CLIP-associating protein 1 isoform X3
 XP_006935290.1 CLIP-associating protein 1 isoform X4
 XP_005167893.1 CLIP-associating protein 1 isoform X5
 XP_005814537.1 CLIP-associating protein 1-A-like
 XP_006800354.1 CLIP-associating protein 1-B-like isoform X6
 XP_003966687.1 CLIP-associating protein 1-like
 XP_005159786.1 CLIP-associating protein 2 isoform X1
 XP_004543672.1 CLK4-associating serine/arginine rich protein-like
 ADL62686.1 clock 1a
 ADL62687.1 clock 2, partial
 NP_840080.1 clock homolog 3
 XP_005168396.1 clock homolog 3 isoform X1
 AAF75783.1 clock protein
 AB134137.1 CLOCK1a
 AAI54189.1 Clptm1 protein
 AAH52116.1 Clstn1 protein
 Q7ZVC2.2 CLUA1_DANRE RecName: Full=Clusterin-associated protein 1 homolog; AltName: Full=Qilin
 XP_005172513.1 clustered mitochondria protein homolog
 XP_001920829.3 clustered mitochondria protein homolog isoform X1
 XP_005170337.1 clustered mitochondria protein homolog isoform X2
 NP_001167108.1 Clusterin precursor
 XP_006637118.1 clusterin-associated protein 1 homolog
 XP_005170690.1 clusterin-associated protein 1 homolog isoform X2
 XP_005163515.1 clusterin-like protein 1 isoform X1
 NP_001093464.1 clusterin-like protein 1 precursor
 XP_003975520.1 clusterin-like protein 1-like
 XP_690387.5 c-Maf-inducing protein
 XP_005795851.1 c-Maf-inducing protein-like
 XP_006710890.1 CMP-N-acetylneuraminate-beta-1,4-galactoside alpha-2,3-sialyltransferase isoform X3
 XP_005010616.1 CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 1 isoform X1
 XP_006635715.1 CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 1-like
 XP_004563763.1 CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 1-like isoform X1
 XP_006639776.1 CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 2-like
 ACO09459.1 CMP-sialic acid transporter
 XP_005163595.1 CMRF35-like molecule 1-like
 ACO14020.1 CMRF35-like molecule 3 precursor
 XP_006628417.1 CMRF35-like molecule 5-like
 AC166175.1 CMRF35-like molecule 8 precursor
 XP_005454877.1 CMRF35-like molecule 8-like isoform X1
 XP_005394700.1 CMRF35-like molecule 9
 EHB04597.1 CMRF35-like molecule, partial
 NP_001074458.1 C-myc promoter-binding protein
 XP_005159158.1 C-myc promoter-binding protein isoform X2
 XP_005159160.1 C-myc promoter-binding protein isoform X4
 AAH76079.1 CNDP dipeptidase 2 (metallopeptidase M20 family)
 P55934.1 CNG_ICTPU RecName: Full=Cyclic nucleotide-gated cation channel
 AAH67705.1 Cno protein, partial
 Q8AXZ4.1 CNT1A_DANRE RecName: Full=Contactin-1a; AltName: Full=F3/F11/contactin; AltName: Full=Neural cell recognition molecule F11; Flags: Precursor
 ABC75560.1 coactosin-like 1
 AAI62194.1 Coagulation factor C homolog, coxhlin (Limulus polyphemus)
 NP_001232896.1 coagulation factor IIIa precursor
 NP_878288.1 coagulation factor IX precursor
 XP_001343728.4 coagulation factor IX-like
 XP_005167877.1 coagulation factor V isoform X1
 NP_001007209.2 coagulation factor V precursor
 NP_001187676.1 coagulation factor VII precursor
 AHK09951.1 coagulation factor VIII
 XP_005932789.1 coagulation factor VII-like
 NP_001167257.1 Coagulation factor X precursor
 BAM48572.1 coagulation factor XIII A chain
 XP_005453983.1 coagulation factor XI-like
 NP_001133825.1 Coatomer subunit alpha
 XP_006743501.1 coatomer subunit alpha-like
 XP_004078630.1 coatomer subunit alpha-like isoform 2
 EPY75622.1 coatomer subunit beta
 XP_005172316.1 coatomer subunit beta isoform X1
 XP_004079208.1 coatomer subunit beta'-like
 XP_004543244.1 coatomer subunit beta-like
 NP_958867.1 coatomer subunit delta
 ADO27738.1 coatomer subunit epsilon
 XP_005927231.1 coatomer subunit gamma-2-like
 EMP30241.1 Coatomer subunit zeta-1
 XP_005206148.1 coatomer subunit zeta-1 isoform X1
 ERE84420.1 coatomer subunit zeta-1-like protein
 NP_571582.1 coatomer subunit zeta-2
 XP_005949614.1 coatomer subunit zeta-2-like isoform X2

ACO13723.1 Cobylinic acid a,c-diamide adenosyltransferase, mitochondrial precursor
 XP_005167208.1 COBW domain containing isoform X1
 XP_006627029.1 COBW domain-containing protein 1-like
 XP_691343.3 cocaine- and amphetamine-regulated transcript protein
 XP_685429.2 cocaine- and amphetamine-regulated transcript protein-like
 XP_005795947.1 cocaine esterase-like
 NP_001003823.1 cochlin precursor
 XP_693684.6 codanin-1-like
 XP_006767146.1 coenzyme Q-binding protein COQ10 homolog B, mitochondrial
 NP_001017747.1 coenzyme Q-binding protein COQ10 homolog B, mitochondrial precursor
 XP_005920399.1 coenzyme Q-binding protein COQ10 homolog, mitochondrial-like
 EDL87777.1 cofactor required for Sp1 transcriptional activation, subunit 3, isoform CRA_b
 NP_998806.1 coflin 2, like
 ELK19220.1 Cohesin loading complex subunit SCC4 like protein
 XP_692120.3 cohesin subunit SA-1
 XP_002664294.3 cohesin subunit SA-1-like
 XP_005467383.1 cohesin subunit SA-1-like isoform X12
 XP_005722880.1 cohesin subunit SA-1-like isoform X8
 ERE65938.1 cohesin subunit SA-2
 XP_003199284.2 cohesin subunit SA-2 isoform X1
 XP_005167916.1 cohesin subunit SA-2 isoform X2
 XP_686812.5 cohesin subunit SA-2 isoform X1
 XP_002664295.3 cohesin subunit SA-2-like
 XP_005165279.1 coiled-coil alpha-helical rod protein 1 isoform X1
 XP_006631602.1 coiled-coil and C2 domain-containing protein 1A-like
 XP_001341323.5 coiled-coil and C2 domain-containing protein 1A-like, partial
 XP_005171255.1 coiled-coil and C2 domain-containing protein 1B isoform X1
 XP_003201209.2 coiled-coil and C2 domain-containing protein 2A
 NP_001012508.1 coiled-coil domain containing 106a
 NP_001013323.1 coiled-coil domain containing 106b
 NP_001070919.2 coiled-coil domain containing 120
 XP_005173585.1 coiled-coil domain containing 127a isoform X1
 NP_001070837.2 coiled-coil domain containing 151-like
 XP_005166092.1 coiled-coil domain containing 174 isoform X1
 AAI55275.1 Coiled-coil domain containing 43
 NP_001121419.1 coiled-coil domain containing 61
 XP_001332567.4 coiled-coil domain-containing glutamate-rich protein 1
 NP_991115.1 coiled-coil domain-containing protein 102A
 ACI67459.1 Coiled-coil domain-containing protein 104
 XP_693940.1 coiled-coil domain-containing protein 105-like isoform X2
 XP_005170678.1 coiled-coil domain-containing protein 106-like
 XP_004084393.1 coiled-coil domain-containing protein 107-like
 ELV10678.1 Coiled-coil domain-containing protein 108
 XP_006636879.1 coiled-coil domain-containing protein 108-like
 XP_003452270.1 coiled-coil domain-containing protein 109B-like isoform X1
 NP_001038595.2 coiled-coil domain-containing protein 11
 XP_005452139.1 coiled-coil domain-containing protein 112-like isoform X2
 XP_002155580.2 coiled-coil domain-containing protein 113-like
 NP_001013313.1 coiled-coil domain-containing protein 115
 XP_005161304.1 coiled-coil domain-containing protein 11-like
 XP_006129858.1 coiled-coil domain-containing protein 12
 XP_001921819.3 coiled-coil domain-containing protein 120
 XP_004069278.1 coiled-coil domain-containing protein 120-like
 NP_001091652.1 coiled-coil domain-containing protein 125
 NP_001038868.1 coiled-coil domain-containing protein 126
 XP_002666731.1 coiled-coil domain-containing protein 129 isoform X1
 XP_005171162.1 coiled-coil domain-containing protein 13 isoform X2
 XP_001923725.4 coiled-coil domain-containing protein 132 isoform X1
 XP_005159766.1 coiled-coil domain-containing protein 132 isoform X3
 XP_006636224.1 coiled-coil domain-containing protein 132-like
 XP_004547985.1 coiled-coil domain-containing protein 132-like isoform X1
 XP_005928628.1 coiled-coil domain-containing protein 132-like isoform X2
 XP_005814949.1 coiled-coil domain-containing protein 132-like, partial
 XP_005814557.1 coiled-coil domain-containing protein 134-like isoform X1
 XP_005170778.1 coiled-coil domain-containing protein 136 isoform X2
 XP_005164664.1 coiled-coil domain-containing protein 136-like isoform X2
 NP_001070224.1 coiled-coil domain-containing protein 137
 XP_006633531.1 coiled-coil domain-containing protein 146-like
 XP_005995877.1 coiled-coil domain-containing protein 147
 XP_006630821.1 coiled-coil domain-containing protein 147-like
 XP_005998023.1 coiled-coil domain-containing protein 148
 XP_006636532.1 coiled-coil domain-containing protein 148-like
 XP_005207856.1 coiled-coil domain-containing protein 149 isoform X1
 NP_001006020.1 coiled-coil domain-containing protein 149-A
 XP_005458764.1 coiled-coil domain-containing protein 149-B-like isoform X2
 XP_004554471.1 coiled-coil domain-containing protein 149-B-like isoform X4
 XP_006629931.1 coiled-coil domain-containing protein 149-like
 XP_002662338.3 coiled-coil domain-containing protein 14-like
 XP_003200128.2 coiled-coil domain-containing protein 150-like

XP_006631696.1 coiled-coil domain-containing protein 151-like
EGW04001.1 Coiled-coil domain-containing protein 155
XP_002663220.3 coiled-coil domain-containing protein 157
XP_006626720.1 coiled-coil domain-containing protein 158-like
XP_005459826.1 coiled-coil domain-containing protein 158-like isoform X7
XP_006642275.1 coiled-coil domain-containing protein 15-like
NP_001106570.1 coiled-coil domain-containing protein 160 homolog
XP_688207.4 coiled-coil domain-containing protein 169-like
XP_002931644.2 coiled-coil domain-containing protein 17
XP_003200359.2 coiled-coil domain-containing protein 170
XP_001336283.5 coiled-coil domain-containing protein 171-like
XP_002663472.1 coiled-coil domain-containing protein 173
XP_005158711.1 coiled-coil domain-containing protein 175-like isoform X1
XP_686063.2 coiled-coil domain-containing protein 175-like isoform X2
XP_003200430.2 coiled-coil domain-containing protein 177
XP_001334826.3 coiled-coil domain-containing protein 178-like
XP_006634101.1 coiled-coil domain-containing protein 178-like, partial
XP_001341200.4 coiled-coil domain-containing protein 17-like
XP_003198708.2 coiled-coil domain-containing protein 180-like
XP_002662467.1 coiled-coil domain-containing protein 18-like
NP_001076465.2 coiled-coil domain-containing protein 19, mitochondrial
NP_001020656.1 coiled-coil domain-containing protein 22
XP_006626149.1 coiled-coil domain-containing protein 25-like
XP_005158776.1 coiled-coil domain-containing protein 28A isoform X1
XP_004571299.1 coiled-coil domain-containing protein 28A-like isoform X1
NP_001139045.1 coiled-coil domain-containing protein 28B
XP_001336892.2 coiled-coil domain-containing protein 30-like
XP_005170760.1 coiled-coil domain-containing protein 33 isoform X2
XP_006629122.1 coiled-coil domain-containing protein 33-like
NP_001039310.1 coiled-coil domain-containing protein 34
NP_001070228.1 coiled-coil domain-containing protein 37
XP_003198830.1 coiled-coil domain-containing protein 37-like
XP_682709.6 coiled-coil domain-containing protein 39 isoform 1, partial
XP_006637451.1 coiled-coil domain-containing protein 39-like
XP_003455762.1 coiled-coil domain-containing protein 3-like
XP_006635566.1 coiled-coil domain-containing protein 40-like
XP_006640534.1 coiled-coil domain-containing protein 42 homolog
EMP32405.1 Coiled-coil domain-containing protein 42 like protein
NP_001092719.1 coiled-coil domain-containing protein 46
CBN81655.1 Coiled-coil domain-containing protein 56
XP_005169536.1 coiled-coil domain-containing protein 57-like isoform X2
ADO28201.1 coiled-coil domain-containing protein 58
XP_005448910.1 coiled-coil domain-containing protein 58-like isoform X2
NP_956535.1 coiled-coil domain-containing protein 6
XP_005158724.1 coiled-coil domain-containing protein 6 isoform X1
XP_005172804.1 coiled-coil domain-containing protein 60 isoform X1
XP_006640369.1 coiled-coil domain-containing protein 60-like
XP_003965455.1 coiled-coil domain-containing protein 62-like
XP_006642094.1 coiled-coil domain-containing protein 63-like
XP_006629522.1 coiled-coil domain-containing protein 65-like
XP_004738738.1 coiled-coil domain-containing protein 66
XP_006631051.1 coiled-coil domain-containing protein 66-like
ELK37541.1 Coiled-coil domain-containing protein 73
XP_005161289.1 coiled-coil domain-containing protein 74B-like
XP_005471110.1 coiled-coil domain-containing protein 77-like isoform X3
XP_001919813.3 coiled-coil domain-containing protein 78
XP_001336747.1 coiled-coil domain-containing protein 80
NP_001007199.1 coiled-coil domain-containing protein 80 precursor
XP_697585.4 coiled-coil domain-containing protein 80-like
XP_007060664.1 coiled-coil domain-containing protein 81 isoform X1
XP_005287583.1 coiled-coil domain-containing protein 81 isoform X2
XP_006639349.1 coiled-coil domain-containing protein 81-like
NP_956116.1 coiled-coil domain-containing protein 82
XP_006781332.1 coiled-coil domain-containing protein 85B-like
XP_005158733.1 coiled-coil domain-containing protein 85C-A isoform X1
NP_001108038.1 coiled-coil domain-containing protein 89
XP_005157707.1 coiled-coil domain-containing protein 9 isoform X1
XP_006628142.1 coiled-coil domain-containing protein 90B, mitochondrial-like
NP_001032794.1 coiled-coil domain-containing protein 92
XP_005157679.1 coiled-coil domain-containing protein 92-like
NP_001035414.1 coiled-coil domain-containing protein 93
NP_001104303.1 coiled-coil domain-containing protein 94
XP_006629740.1 coiled-coil domain-containing protein 96-like
XP_001333116.1 coiled-coil domain-containing protein 97-like
XP_001920628.2 coiled-coil domain-containing protein C16orf93 homolog
XP_006635363.1 coiled-coil domain-containing protein C1orf110-like
XP_683491.6 coiled-coil domain-containing protein lobo homolog
NP_957078.1 coiled-coil-helix-coiled-coil-helix domain-containing protein 10, mitochondrial
XP_001334698.1 coiled-coil-helix-coiled-coil-helix domain-containing protein 5-like

NP_571587.1	coilin
ABQ59687.1	COL11A2
AAI42736.1	Col11a2 protein
NP_001017797.1	cold inducible RNA binding protein
XP_005814455.1	cold shock domain-containing protein C2-like
NP_001167093.1	Cold shock domain-containing protein E1
XP_005167017.1	cold shock domain-containing protein E1 isoform X5
XP_006785380.1	cold shock domain-containing protein E1-like isoform X4
XP_006628563.1	colipase-like
XP_692548.3	collagen alpha-1(I) chain-like
XP_005166919.1	collagen alpha-1(II) chain isoform X2
XP_006803605.1	collagen alpha-1(II) chain-like
XP_005041676.1	collagen alpha-1(III) chain-like
XP_694040.5	collagen alpha-1(IV) chain
XP_006632860.1	collagen alpha-1(IV) chain-like
XP_004653021.1	collagen alpha-1(IX) chain
XP_006638936.1	collagen alpha-1(IX) chain-like
XP_005947355.1	collagen alpha-1(IX) chain-like isoform X1
XP_003200573.2	collagen alpha-1(IX) chain-like, partial
XP_001343747.5	collagen alpha-1(V) chain
XP_006182806.1	collagen alpha-1(V) chain-like
XP_698253.3	collagen alpha-1(VI) chain
XP_005740240.1	collagen alpha-1(VI) chain-like
XP_002662551.3	collagen alpha-1(VII) chain
XP_005941175.1	collagen alpha-1(VII) chain-like
XP_004544905.1	collagen alpha-1(VII) chain-like isoform X3
XP_683515.5	collagen alpha-1(X) chain
NP_001171883.1	collagen alpha-1(XI) chain
XP_004883482.1	collagen alpha-1(XI) chain isoform X1
XP_005162871.1	collagen alpha-1(XI) chain isoform X2
XP_005162872.1	collagen alpha-1(XI) chain isoform X3
XP_003641762.1	collagen alpha-1(XI) chain isoform X4
XP_006635029.1	collagen alpha-1(XI) chain-like
XP_005478458.1	collagen alpha-1(XI) chain-like isoform X6
XP_003456688.1	collagen alpha-1(XI) chain-like isoform X2
XP_002665305.3	collagen alpha-1(XII) chain isoform X1
XP_005170809.1	collagen alpha-1(XII) chain-like isoform X1
XP_005170810.1	collagen alpha-1(XII) chain-like isoform X2
XP_003199746.2	collagen alpha-1(XIII) chain
XP_001922046.4	collagen alpha-1(XIV) chain
XP_005170032.1	collagen alpha-1(XIV) chain-like
XP_005162182.1	collagen alpha-1(XIV) chain-like isoform X3
XP_005463753.1	collagen alpha-1(XIV) chain-like, partial
XP_006638935.1	collagen alpha-1(XIX) chain-like
XP_005159749.1	collagen alpha-1(XVI) chain-like
XP_002936853.2	collagen alpha-1(XVII) chain
XP_697241.4	collagen alpha-1(XVII) chain isoform X2
XP_004538744.1	collagen alpha-1(XVII) chain-like isoform X1
XP_700280.5	collagen alpha-1(XVII) chain-like isoform X4
XP_006636768.1	collagen alpha-1(XVIII) chain-like
XP_005459418.1	collagen alpha-1(XVIII) chain-like isoform X1
XP_005937063.1	collagen alpha-1(XVIII) chain-like isoform X4
ERE70685.1	collagen alpha-1(XX) chain
XP_001332035.4	collagen alpha-1(XXI) chain-like
XP_002664126.3	collagen alpha-1(XXI) chain-like, partial
XP_002665520.3	collagen alpha-1(XXII) chain
XP_002664125.2	collagen alpha-1(XXII) chain-like
XP_005795535.1	collagen alpha-1(XXIII) chain-like
XP_005161456.1	collagen alpha-1(XXIII) chain-like isoform X3
XP_005170664.1	collagen alpha-1(XXIV) chain-like
XP_006629807.1	collagen alpha-1(XXV) chain-like
XP_005752148.1	collagen alpha-1(XXV) chain-like isoform X5
XP_005930115.1	collagen alpha-1(XXVI) chain-like
NP_001156766.1	collagen alpha-1(XXVII) chain A precursor
NP_001074044.1	collagen alpha-1(XXVII) chain B precursor
XP_006640688.1	collagen alpha-1(XXVII) chain B-like
XP_002665574.1	collagen alpha-1(XXVIII) chain
XP_005453012.1	collagen alpha-1(XXVIII) chain isoform X1
XP_005019049.1	collagen alpha-1(XXVIII) chain-like
XP_005449991.1	collagen alpha-1(XXVIII) chain-like isoform X1
ACN58713.1	Collagen alpha-II chain precursor
NP_001167092.1	Collagen alpha-1XIII chain
XP_687811.6	collagen alpha-2(IV) chain
XP_003961817.1	collagen alpha-2(IV) chain-like
XP_003448964.1	collagen alpha-2(IX) chain-like
NP_001139254.1	collagen alpha-2(V) chain precursor
XP_001920005.4	collagen alpha-2(V) chain-like
XP_004696944.1	collagen alpha-2(VI) chain
XP_005169455.1	collagen alpha-2(VI) chain isoform X1

XP_696164.2 collagen alpha-2(VI) chain isoform X2
 XP_006802833.1 collagen alpha-2(VI) chain-like
 NP_001076370.1 collagen alpha-2(VIII) chain precursor
 XP_004074315.1 collagen alpha-2(XI) chain-like
 XP_004070849.1 collagen alpha-3(IX) chain-like
 ERE76769.1 collagen alpha-3(V) chain-like protein
 XP_005244480.1 collagen alpha-3(VI) chain
 XP_005167680.1 collagen alpha-3(VI) chain isoform X3
 XP_004572221.1 collagen alpha-3(VI) chain-like
 XP_006636501.1 collagen alpha-3(VI) chain-like, partial
 XP_005156772.1 collagen alpha-4(VI) chain
 XP_005144602.1 collagen alpha-5(IV) chain
 XP_005166559.1 collagen alpha-5(IV) chain isoform X1
 XP_006632861.1 collagen alpha-5(IV) chain-like
 XP_001921630.3 collagen alpha-6(IV) chain
 XP_004080028.1 collagen alpha-6(IV) chain-like
 XP_692457.6 collagen alpha-6(VI) chain
 EMP26708.1 Collagen and calcium-binding EGF domain-containing protein 1
 NP_001157395.1 collagen and calcium-binding EGF domain-containing protein 1 precursor
 XP_004539790.1 collagen and calcium-binding EGF domain-containing protein 1-like
 XP_694502.4 collagen triple helix repeat-containing protein 1
 NP_001003765.1 collagen triple helix repeat-containing protein 1 precursor
 XP_003453532.1 collagen triple helix repeat-containing protein 1-like isoform X1
 NP_001017914.3 collagen type IV alpha-3-binding protein isoform 1
 XP_006006673.1 collagen type IV alpha-3-binding protein isoform X2
 XP_003975089.1 collagen type IV alpha-3-binding protein-like isoform 1
 XP_005161004.1 collagen type IV alpha-3-binding protein-like isoform X1
 XP_005459748.1 collagen type IV alpha-3-binding protein-like isoform X3
 XP_005922971.1 collagen type IV alpha-3-binding protein-like isoform X6
 XP_005157048.1 collagen type IX alpha 1 isoform X1
 NP_001177685.1 collagen type V alpha-3a precursor
 ABR24262.1 collagen type VII alpha 1-like
 CAD54661.1 collagen type XI alpha 2
 NP_001034719.1 collagen type XVIII, alpha 1
 CCK86746.1 collagen type XXII alpha 1 chain
 CAJ90616.1 collagen XV alpha 1 chain
 XP_005156034.1 collagen, type I, alpha 1b isoform X2
 NP_001177687.1 collagen, type V, alpha 3b precursor
 NP_001135846.1 collagen, type VIII, alpha 1a precursor
 XP_005160170.1 collagen, type XVII, alpha 1a isoform X3
 XP_001345507.1 collagenase 3
 XP_002798555.1 collagen-like protein 1-like
 EKC38305.1 Collagen-like protein 2
 XP_006636133.1 collectin-10-like
 XP_005158894.1 collectin-11 isoform X1
 XP_005158895.1 collectin-11 isoform X2
 XP_005163514.1 collectin-12 isoform X1
 CBN82070.1 Collectin-12, partial
 XP_006634411.1 collectin-12-like
 ADO28039.1 collectrin
 NP_001008621.1 colon cancer-associated protein Mic1
 ADE34114.1 colony stimulating factor 1 receptor

 XP_005171607.1 colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) isoform X1

 XP_004761429.1 colorectal mutant cancer protein
 XP_006627013.1 colorectal mutant cancer protein-like
 AAA35751.1 colorectal tumor suppressor (put.); putative, partial
 NP_001133729.1 COMM domain-containing protein 1
 NP_001139854.1 COMM domain-containing protein 10
 XP_004072249.1 COMM domain-containing protein 10-like
 NP_001188091.1 comm domain-containing protein 2
 NP_001187604.1 comm domain-containing protein 4
 NP_001188189.1 comm domain-containing protein 6
 NP_001187772.1 comm domain-containing protein 8
 NP_001082867.1 COMM domain-containing protein 9
 NP_001018363.1 complement C1q subcomponent subunit A precursor
 NP_001017875.1 complement C1q tumor necrosis factor-related protein 1 precursor
 XP_005812783.1 complement C1q tumor necrosis factor-related protein 1-like
 XP_700791.1 complement C1q tumor necrosis factor-related protein 2
 XP_693502.3 complement C1q tumor necrosis factor-related protein 6
 XP_699453.4 complement C1q tumor necrosis factor-related protein 6-like
 XP_693031.2 complement C1q tumor necrosis factor-related protein 7-like isoform X2
 XP_001336467.3 complement C1q-like protein 2-like
 XP_002806990.2 complement C1q-like protein 3
 NP_991264.1 complement C1q-like protein 3 precursor
 XP_006634355.1 complement C1q-like protein 3-like
 XP_695928.4 complement C1q-like protein 4-like
 XP_687710.2 complement C1q-like protein 4-like isoform X1
 XP_006642449.1 complement C1r subcomponent-like

XP_006642454.1 complement C1s subcomponent-like
 XP_006642450.1 complement C1s-B subcomponent-like
 AAQ74974.1 complement C3
 BAA36618.1 complement C3-H1
 NP_001008582.3 complement C3-H1-like
 BAA36620.1 complement C3-H2
 XP_005946498.1 complement C3-like
 BAB03284.1 complement C4-1
 BAB03285.1 complement C4-2
 XP_001334640.1 complement C4-B
 XP_005157430.1 complement C4-B isoform X2
 XP_006628287.1 complement C4-B-like
 XP_001919226.4 complement C5
 XP_005171788.1 complement component 1 Q subcomponent-binding protein, mitochondrial isoform X1
 XP_005988634.1 complement component 1 Q subcomponent-binding protein, mitochondrial isoform X2
 XP_001920705.2 complement component 1, q subcomponent-like 2
 AFU81223.1 complement component 9
 BAC23057.1 complement component C5-1
 BAC23058.1 complement component C5-2
 ADV18976.1 complement component C6
 AEQ53931.1 complement component C7
 NP_001003496.1 complement component C8 alpha chain
 NP_001118096.1 complement component C8 alpha chain precursor
 NP_001243652.1 complement component C8 beta chain precursor
 BAI52946.1 complement component C8gamma
 NP_001244044.1 complement factor B precursor
 NP_001244043.1 complement factor B/C2A precursor
 XP_004076492.1 complement factor B-like
 NP_001244045.1 complement factor D precursor
 XP_003201112.1 complement factor H
 NP_001186119.1 complement factor H precursor
 NP_001117899.1 complement factor H1 protein precursor
 XP_006834253.1 complement factor H-related protein 5
 NP_001187240.1 complement factor I precursor
 NP_001107051.1 complement factor properdin precursor
 NP_001013326.1 complex I intermediate-associated protein 30, mitochondrial
 NP_001092229.1 complex III assembly factor LYRM7
 NP_001165061.1 complexin 3b
 XP_005807852.1 complexin-2-like, partial
 NP_001070768.1 complexin-4
 NP_001018154.1 component of gems 4
 NP_001167348.1 component of oligomeric golgi complex 6
 XP_005157440.1 component of oligomeric golgi complex 6 isoform X1
 NP_001155974.1 condensin complex subunit 1
 XP_004078248.1 condensin complex subunit 1-like
 NP_001073665.1 condensin complex subunit 2
 NP_956624.1 condensin-2 complex subunit D3
 NP_001082961.2 condensin-2 complex subunit G2
 XP_005166482.1 condensin-2 complex subunit G2 isoform X1
 XP_006634573.1 condensin-2 complex subunit G2-like
 NP_001038456.1 condensin-2 complex subunit H2
 NP_957165.1 cone cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha'
 XP_005928210.1 cone cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha'-like
 XP_005165423.1 cone-rod homeobox isoform X1
 NP_001015041.1 connective tissue growth factor precursor
 NP_991222.1 connector enhancer of kinase suppressor of ras 1
 XP_697212.5 connector enhancer of kinase suppressor of ras 2
 XP_005162826.1 connector enhancer of kinase suppressor of ras 2 isoform X3
 XP_005162827.1 connector enhancer of kinase suppressor of ras 2 isoform X4
 XP_004086565.1 connector enhancer of kinase suppressor of ras 2-like
 XP_005922166.1 connector enhancer of kinase suppressor of ras 2-like isoform X4
 NP_001107119.1 connector enhancer of kinase suppressor of ras 3
 XP_005922418.1 connector enhancer of kinase suppressor of ras 3-like isoform X1
 XP_005922419.1 connector enhancer of kinase suppressor of ras 3-like isoform X2
 AAZ78664.1 connexin 29
 AAN08575.1 connexin 34.4
 NP_001122238.1 connexin 35-like
 NP_001096667.3 connexin 36.7
 NP_001038288.1 connexin 39.4
 AAI63086.1 Connexin 41.8
 AAG17938.1 connexin 43
 NP_001007214.1 connexin 45.6
 NP_997984.1 connexin 52.6
 XP_001869042.1 conserved hypothetical protein
 XP_005164169.1 conserved oligomeric Golgi complex subunit 1 isoform X2
 XP_006635458.1 conserved oligomeric Golgi complex subunit 1-like
 NP_998519.1 conserved oligomeric Golgi complex subunit 2
 ELV11590.1 Conserved oligomeric Golgi complex subunit 3
 XP_006639077.1 conserved oligomeric Golgi complex subunit 3-like

NP_001034912.1 conserved oligomeric Golgi complex subunit 4
 XP_005168955.1 conserved oligomeric Golgi complex subunit 4 isoform X1
 XP_006641554.1 conserved oligomeric Golgi complex subunit 4-like
 XP_005164530.1 conserved oligomeric Golgi complex subunit 5 isoform X1
 XP_006633383.1 conserved oligomeric Golgi complex subunit 5-like
 XP_006182681.1 conserved oligomeric Golgi complex subunit 6
 XP_006628258.1 conserved oligomeric Golgi complex subunit 6-like
 NP_001013524.1 conserved oligomeric Golgi complex subunit 8
 XP_005169972.1 conserved oligomeric Golgi complex subunit 8 isoform X1
 XP_001348296.1 conserved Plasmodium protein, unknown function
 XP_005159023.1 consortin-like
 CBN80632.1 Constitutive coactivator of PPAR-gamma-like protein 1
 XP_006631108.1 constitutive coactivator of PPAR-gamma-like protein 1-like
 AAS00058.1 contactin
 AA162590.1 Contactin 2
 XP_005168827.1 contactin 4 isoform X1
 NP_001073520.1 contactin 4 precursor
 XP_691801.5 contactin associated protein-like 2b
 XP_001338473.5 contactin associated protein-like 5 isoform X1
 XP_005169449.1 contactin associated protein-like 5 isoform X2
 XP_700622.5 contactin associated protein-like 5b
 NP_851300.2 contactin-1a precursor
 NP_571521.1 contactin-2 precursor
 XP_001340839.5 contactin-3
 XP_684096.6 contactin-3-like
 XP_005478281.1 contactin-3-like isoform X2
 XP_697914.4 contactin-4
 XP_005166191.1 contactin-4-like, partial
 NP_956098.1 contactin-5
 XP_003968701.1 contactin-5-like
 XP_005735988.1 contactin-5-like isoform X1
 XP_004560564.1 contactin-5-like isoform X3
 XP_005468885.1 contactin-associated protein 1
 XP_694580.5 contactin-associated protein 1-like
 XP_005740827.1 contactin-associated protein like 5-1-like
 AEW99986.1 contactin-associated protein-like 2b
 XP_006634651.1 contactin-associated protein-like 2-like
 XP_005912128.1 contactin-associated protein-like 2-like isoform X2
 XP_002660950.2 contactin-associated protein-like 2-like, partial
 XP_003201063.2 contactin-associated protein-like 5-like isoform X1
 XP_005161757.1 contactin-associated protein-like 5-like isoform X2
 NP_001071227.1 COP9 signalosome complex subunit 1
 XP_006168852.1 COP9 signalosome complex subunit 2-like
 XP_001521692.2 COP9 signalosome complex subunit 2-like, partial
 AFK11174.1 COP9 signalosome complex subunit 4
 XP_006975455.1 COP9 signalosome complex subunit 4 isoform X1
 XP_006627093.1 COP9 signalosome complex subunit 4-like
 XP_005977666.1 COP9 signalosome complex subunit 5 isoform X1
 XP_004081080.1 COP9 signalosome complex subunit 5-like
 XP_005467388.1 COP9 signalosome complex subunit 6-like isoform X2
 XP_005925248.1 COP9 signalosome complex subunit 7a-like isoform X2
 NP_001096460.1 copine family member IX
 NP_955993.2 copine-1 isoform 2
 XP_005169314.1 copine-1 isoform X1
 NP_001038540.1 copine-2
 XP_005159173.1 copine-2 isoform X1
 XP_005162896.1 copine-3 isoform X1
 XP_005162897.1 copine-3 isoform X2
 XP_006639778.1 copine-3-like
 ELW48270.1 Copine-4
 XP_005545822.1 copine-4 isoform X1
 XP_005813605.1 copine-4-like
 XP_004571130.1 copine-4-like isoform X2
 XP_006012956.1 copine-4-like, partial
 XP_006628489.1 copine-5-like
 XP_692981.4 copine-7-like
 XP_006767904.1 copine-8
 XP_002667001.1 copine-8 isoform X1
 XP_005163244.1 copine-8 isoform X2
 XP_006002489.1 copine-8 isoform X5
 XP_005915784.1 copine-8-like isoform X4
 XP_002666555.3 copine-9
 CBN80634.1 Copine-9, partial
 XP_004559894.1 copine-9-like
 NP_001191151.1 copper chaperone for superoxide dismutase
 XP_003978083.1 copper chaperone for superoxide dismutase-like
 XP_005453226.1 copper chaperone for superoxide dismutase-like isoform X2
 XP_006808013.1 copper homeostasis protein cutC homolog isoform X1
 WP_008343468.1 copper oxidase

NP_001036185.1 copper-transporting ATPase 1
 XP_006781590.1 copper-transporting ATPase 1-like
 XP_684415.5 copper-transporting ATPase 2
 XP_006639386.1 copper-transporting ATPase 2-like
 NP_001035183.2 coproporphyrinogen-III oxidase, mitochondrial
 AAI65863.1 Cops3 protein
 XP_006636677.1 cordon-bleu protein-like 1-like
 AFH75431.1 core binding factor beta
 ADO29105.1 core histone macro-h2a.1
 XP_005795843.1 core-binding factor subunit beta-like
 XP_003447081.1 core-binding factor subunit beta-like isoformX2
 XP_005873658.1 cornichon family AMPA receptor auxiliary protein 1
 XP_005172367.1 cornifelin
 NP_001004663.1 cornifelin homolog
 XP_005461842.1 cornifelin homolog B-like isoform X4
 XP_005172288.1 cornifelin isoform X1
 XP_005951805.1 cornifelin-like isoform X1
 ADO28354.1 cornifelin-like protein b
 NP_001103177.1 coronin, actin binding protein, 1B
 NP_957408.1 coronin-1A
 XP_005921856.1 coronin-1A-like
 NP_035908.1 coronin-1B
 XP_005172017.1 coronin-1C
 XP_006640279.1 coronin-1C-like
 XP_005159933.1 coronin-2A isoform X1
 XP_005159934.1 coronin-2A isoform X2
 XP_006806126.1 coronin-2A-like
 XP_005169008.1 coronin-2B isoform X1
 XP_006628882.1 coronin-2B-like
 XP_003971119.1 coronin-6-like
 XP_005752396.1 coronin-6-like isoform X1
 NP_001025407.1 coronin-7
 XP_683573.4 cortactin-binding protein 2
 XP_006633392.1 cortactin-binding protein 2-like
 XP_005241759.1 cortixin-1
 XP_005166422.1 cortixin-2-like
 NP_001135062.1 Corticoliberin-1
 ACV67270.1 corticotropin releasing factor receptor type 1.1
 XP_005171652.1 corticotropin-releasing factor receptor 1 isoform X1
 ETE70102.1 Corticotropin-releasing factor receptor 1, partial
 XP_005817198.1 COUP transcription factor 2-like isoform X2
 NP_001002614.1 COX assembly mitochondrial protein 2 homolog
 XP_006635683.1 COX assembly mitochondrial protein homolog
 XP_006628093.1 coxsackievirus and adenovirus receptor homolog
 NP_694480.1 coxsackievirus and adenovirus receptor homolog precursor
 NP_001122277.1 Coxsackievirus and adenovirus receptor-like precursor
 NP_001133263.1 CP068 protein

 Q92111.1 CP19A_ICTPU RecName: Full=Aromatase; AltName: Full=CYPXIX; AltName: Full=Cytochrome P-450AROM; AltName: Full=Cytochrome P450 19A1; AltName: Full=Estrogen synthase

 P79739.1 CP26A_DANRE RecName: Full=Cytochrome P450 26A1; AltName: Full=Cytochrome P450RAI; AltName: Full=Retinoic acid 4-hydroxylase; AltName: Full=Retinoic acid-metabolizing cytochrome

 Q6EIG3.1 CP26B_DANRE RecName: Full=Cytochrome P450 26B1; Short=Cyp26B1; AltName: Full=Retinoic acid-metabolizing cytochrome

 Q9YGX5.1 CPEB1_DANRE RecName: Full=Cytoplasmic polyadenylation element-binding protein 1; Short=CPE-BP1; Short=CPE-binding protein 1; Short=CPEB-1; AltName: Full=Orb/CPEB-related RNA-binding protein; AltName: Full=Protein Zorba; AltName: Full=ZOR-1; AltName: Full=Zebrafish orb-type a

 XP_006763709.1 cpG-binding protein
 AAY23993.1 CPI-17, partial
 NP_001133348.1 CR054 protein
 ADJ80991.1 CR1-3
 XP_004086256.1 craniofacial development protein 1-like
 XP_005096724.1 craniofacial development protein 2-like
 XP_006139223.1 craniofacial development protein 2-like, partial
 AEU04518.1 C-reactive protein-like 1
 NP_001232872.1 creatine kinase
 NP_001133250.1 Creatine kinase B-type
 XP_006793468.1 creatine kinase B-type-like
 XP_006629011.1 creatine kinase U-type, mitochondrial-like
 XP_003447836.1 creatine kinase, testis isozyme-like isoform X1
 XP_685448.4 CREB/ATF bZIP transcription factor isoformX1
 XP_005170343.1 CREB3 regulatory factor isoform X2
 XP_005170344.1 CREB3 regulatory factor isoform X3
 XP_005161827.1 CREB-binding protein isoform X2
 XP_005454860.1 CREB-binding protein isoform X3
 XP_005931388.1 CREB-binding protein-like isoform X2
 XP_005172890.1 CREB-regulated transcription coactivator 1-like

XP_006641892.1 CREB-regulated transcription coactivator 2-like
 XP_005166549.1 CREB-regulated transcription coactivator 3 isoform X1

 P25308.1 CRF2_CATCO RecName: Full=Corticoliberin-2; AltName: Full=Corticotropin-releasing factor 2; Short=CRF 2; AltName: Full=Corticotropin-releasing hormone 2; Flags: Precursor

 ABW96906.1 C-RFamide peptide precursor
 AAI63041.1 Crfb6 protein
 ADL62680.1 cryptochrome 1b, partial
 XP_003444383.1 crk-like protein-like
 Q568M3.1 CRLF3_DANRE RecName: Full=Cytokine receptor-like factor 3; Short=Clf-3 protein
 NP_957240.1 crooked neck-like protein 1
 XP_006793551.1 crooked neck-like protein 1-like
 XP_005172268.1 crossover junction endonuclease MUS81 isoform X1
 AHA91700.1 cryptochrome 1a
 XP_005166949.1 cryptochrome-1 isoform X1
 XP_005166950.1 cryptochrome-1 isoform X2
 XP_006138127.1 cryptochrome-1-like
 NP_571861.2 cryptochrome-2
 BAA96850.1 cryptochrome3
 XP_005169670.1 crystallin, beta A1, like 1 isoform X1
 NP_001002410.1 crystallin, beta A1a
 XP_005157705.1 crystallin, beta A1a isoform X1
 XP_005167611.1 crystallin, gamma M3 isoform X1
 NP_001071213.1 CST complex subunit CTC1
 XP_005816036.1 CST complex subunit CTC1-like
 NP_956683.1 CST complex subunit STN1
 XP_003447960.1 CST complex subunit TEN1-like
 NP_001158834.1 CT004 protein
 XP_005989215.1 cTAGE family member 5 isoform X1
 XP_005158689.1 CTAGE family, member 5 isoform X1
 XP_005158690.1 CTAGE family, member 5 isoform X2
 XP_005158692.1 CTAGE family, member 5 isoform X4
 XP_005162767.1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like a isoform X1

 XP_005163418.1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like b isoform X1

 XP_006627628.1 CTD nuclear envelope phosphatase 1A-like
 XP_005939731.1 CTD nuclear envelope phosphatase 1A-like isoform X2
 NP_001070083.1 CTD small phosphatase-like protein
 XP_005999751.1 CTD small phosphatase-like protein 2 isoform X1
 NP_001071012.1 CTD small phosphatase-like protein 2-A
 XP_700009.3 CTD small phosphatase-like protein 2-like
 XP_005173190.1 C-terminal binding protein 1 isoform X1
 XP_006893710.1 C-terminal-binding protein 1
 XP_005173191.1 C-terminal-binding protein 1 isoform X1
 XP_005719874.1 C-terminal-binding protein 1-like isoform X5
 NP_001015064.1 C-terminal-binding protein 2
 XP_006791121.1 C-terminal-binding protein 2-like isoform X1
 XP_006630475.1 C-terminal-binding protein 2-like isoform X2
 XP_005919577.1 C-terminal-binding protein 2-like isoform X4
 NP_001103572.2 CTF18, chromosome transmission fidelity factor 18 homolog
 CAA71245.2 CTH1 protein
 A5PMW0.1 CTL5A_DANRE RecName: Full=Choline transporter-like protein 5-A; AltName: Full=Solute carrier family 4 member 5-A
 NP_001104717.1 CTP synthase 1b
 AAH66625.1 Ctssa protein
 NP_001070839.1 CTTNBP2 N-terminal-like protein
 XP_006628428.1 CTTNBP2 N-terminal-like protein-like
 Q6DC53.2 CTU2_DANRE RecName: Full=Cytoplasmic tRNA 2-thiolation protein 2
 ACO82044.1 C-type lectin 11
 ACO82046.1 C-type lectin 13
 XP_696773.2 C-type lectin domain family 11 member A-like
 NP_956080.1 C-type lectin domain family 14, member A precursor
 XP_006641310.1 C-type lectin domain family 18 member A-like
 XP_005810486.1 C-type lectin domain family 3 member A-like
 XP_002661262.2 C-type lectin domain family 4 member E-like
 NP_001187725.1 c-type lectin domain family 4 member f
 XP_005470261.1 C-type lectin domain family 4 member F-like
 XP_005155328.1 C-type lectin domain family 4 member M-like
 XP_005939744.1 C-type lectin domain family 4 member M-like isoform X1
 XP_005158137.1 C-type lectin domain family 9 member A-like
 XP_006806309.1 C-type lectin lectoxin-Lio2-like
 XP_005171017.1 C-type lectin receptor-like tyrosine-protein kinase At1g52310-like
 XP_001344010.4 C-type mannose receptor 2
 XP_005168976.1 C-type mannose receptor 2-like
 XP_006013933.1 C-type mannose receptor 2-like, partial
 NP_001187594.1 c-type natriuretic peptide 1 precursor
 XP_001919526.1 C-type natriuretic peptide 2-like
 NP_001187632.1 c-type natriuretic peptide 4 precursor

BAI67116.1	C-type natriuretic peptide-3
Q6DRC3.1	CU059_DANRE RecName: Full=UPF0769 protein C21orf59 homolog
XP_003201627.2	CUB and sushi domain-containing protein 1, partial
XP_005157145.1	CUB and sushi domain-containing protein 1-like
XP_005174494.1	CUB and sushi domain-containing protein 1-like, partial
XP_693833.6	CUB and sushi domain-containing protein 2
XP_004074074.1	CUB and sushi domain-containing protein 2-like
EMC86410.1	CUB and sushi domain-containing protein 3
XP_005478503.1	CUB and sushi domain-containing protein 3-like
XP_006635634.1	CUB and sushi domain-containing protein 3-like isoform X1
XP_006635635.1	CUB and sushi domain-containing protein 3-like isoform X2
XP_002667795.2	CUB and sushi domain-containing protein 3-like, partial
NP_001017855.1	CUB and Sushi multiple domains 1a precursor
XP_689350.6	CUB domain-containing protein 1-like
XP_005945275.1	CUB domain-containing protein 1-like isoform X1
XP_696153.2	CUB domain-containing protein 2
ERE77460.1	cubilin
XP_005460510.1	cubilin-like
NP_001070929.1	CUE domain containing 1a
NP_932130.2	CUE domain-containing protein 1 isoform 1
XP_003458377.2	CUE domain-containing protein 1-like isoform X1
NP_001017994.1	CUE domain-containing protein 2
XP_006077820.1	CUGBP Elav-like family member 2
XP_003257673.2	CUGBP Elav-like family member 2 isoform 1
XP_004570026.1	CUGBP Elav-like family member 2-like isoform X5
NP_571569.2	CUGBP Elav-like family member 3
XP_004067353.1	CUGBP Elav-like family member 3-A-like isoform 3
XP_005796503.1	CUGBP Elav-like family member 3-like isoform X3
NP_001002562.1	CUGBP Elav-like family member 4
XP_005296241.1	CUGBP Elav-like family member 4 isoform X1
XP_002757237.1	CUGBP Elav-like family member 4-like
XP_005727722.1	CUGBP Elav-like family member 4-like isoform X2
XP_003974053.1	CUGBP Elav-like family member 5-like isoform 2
XP_005795653.1	CUGBP Elav-like family member 5-like isoform X1
XP_004552827.1	CUGBP Elav-like family member 5-like isoform X2
XP_005163663.1	CUGBP Elav-like family member 5-like, partial
XP_005169051.1	cugbp, Elav-like family member 1 isoform X5
XP_005164904.1	cugbp, Elav-like family member 2 isoform X1
XP_005164918.1	cugbp, Elav-like family member 2 isoform X15
XP_005170545.1	cugbp, Elav-like family member 5 isoform X2
XP_005170546.1	cugbp, Elav-like family member 5 isoform X3
EKC42188.1	Cullin-1
XP_004815172.1	cullin-1 isoform X1
EPQ07427.1	Cullin-1, partial
CBN81753.1	Cullin-2
XP_006642937.1	cullin-2-like
EMP37275.1	Cullin-3
XP_005361592.1	cullin-3 isoform X2
XP_422620.4	cullin-3 isoform X3
XP_003977062.1	cullin-3-like
XP_004075806.1	cullin-3-like isoform 2
XP_006637638.1	cullin-3-like isoform X1
XP_005721318.1	cullin-3-like isoform X3
NP_001116316.1	cullin-4B
XP_002170287.2	cullin-4B-like
XP_003462428.1	cullin-5
XP_003201786.2	cullin-9, partial
XP_006638902.1	cullin-9-like
NP_001103988.1	cullin-associated and neddylation-dissociated 1
NP_998650.1	cullin-associated NEDD8-dissociated protein 1
XP_006631060.1	cullin-associated NEDD8-dissociated protein 1-like
XP_003199414.2	cut-like homeobox 1a isoform X1
XP_005172775.1	cut-like homeobox 1a isoform X2
XP_693902.5	cut-like homeobox 2
ACM08930.1	CWC15 homolog
AAI63466.1	Cwf1912 protein
XP_005164782.1	CWF19-like 1, cell cycle control isoform X1
NP_001038223.1	CWF19-like protein 1
XP_003200140.1	CWF19-like protein 2-like
NP_001158556.1	CX04A protein
XP_003200539.2	CXADR-like membrane protein-like
CAD79351.1	CXC chemokine a protein
AGO18317.1	CXC chemokine receptor 1, partial
XP_005810439.1	c-X-C chemokine receptor type 2-like
NP_001133965.1	C-X-C chemokine receptor type 3
NP_001187132.1	CXCL12 precursor
NP_001187133.1	CXCL14 precursor
NP_001187131.1	CXCL2-like chemokine precursor
AAI18011.1	Cxcr4A

NP_956893.1	CXXC finger 1, like
XP_002665874.2	CXXC-type zinc finger protein 4-like
XP_004549493.1	CXXC-type zinc finger protein 4-like isoform X1
XP_686158.4	CXXC-type zinc finger protein 5 isoform X4
XP_005157213.1	CXXC-type zinc finger protein 5-like isoform X1
NP_956017.1	cyclic AMP-dependent transcription factor ATF-1
ADO27834.1	cyclic amp-dependent transcription factor atf-3
NP_001103989.1	cyclic AMP-dependent transcription factor ATF-6 alpha
XP_006634704.1	cyclic AMP-dependent transcription factor ATF-6 alpha-like
NP_001025376.1	cyclic AMP-dependent transcription factor ATF-7
XP_005162321.1	cyclic AMP-dependent transcription factor ATF-7 isoform X1
XP_005914901.1	cyclic AMP-dependent transcription factor ATF-7-like isoform X3
XP_005914902.1	cyclic AMP-dependent transcription factor ATF-7-like isoform X4
XP_003207547.1	cyclic AMP-responsive element-binding protein 1-like isoform 2
XP_005167210.1	cyclic AMP-responsive element-binding protein 3 isoform X1
NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
NP_001074120.1	cyclic AMP-responsive element-binding protein 3-like protein 2
NP_001018509.1	cyclic AMP-responsive element-binding protein 3-like protein 3-A
XP_006790435.1	cyclic AMP-responsive element-binding protein 3-like protein 3-B-like isoform X2
XP_004541549.1	cyclic AMP-responsive element-binding protein 5-like isoform X5
XP_003200687.2	cyclic GMP-AMP synthase-like
AAO16601.1	cyclic nucleotide gated channel
XP_006007412.1	cyclic nucleotide-gated cation channel beta-1
XP_005159301.1	cyclic nucleotide-gated cation channel beta-1 isoform X1
XP_696619.6	cyclic nucleotide-gated cation channel beta-1 isoform X2
ETE56018.1	Cyclic nucleotide-gated cation channel beta-1, partial
XP_005447948.1	cyclic nucleotide-gated cation channel beta-1-like
XP_005734784.1	cyclic nucleotide-gated cation channel beta-1-like isoform X2
XP_690937.4	cyclic nucleotide-gated cation channel beta-3-like
XP_006633018.1	cyclic nucleotide-gated cation channel-like
XP_005166141.1	cyclic nucleotide-gated channel cone photoreceptor subunit alpha isoform X1
XP_006629908.1	cyclic nucleotide-gated channel rod photoreceptor subunit alpha-like
NP_001038211.1	cyclic nucleotide-gated olfactory channel
AAF82778.1	cyclin A2
AAH45492.1	Cyclin B1
BAD52074.1	cyclin B3
XP_005164578.1	cyclin D2, b isoform X1
AEZ53719.1	cyclin D2, partial
AAQ97992.1	cyclin G1
NP_001157251.1	cyclin K
NP_001138257.1	cyclin M2a
XP_001920424.3	cyclin N-terminal domain-containing protein 1-like, partial
XP_005808020.1	cyclin N-terminal domain-containing protein 2-like
NP_997751.1	cyclin T2b
XP_005418399.1	cyclin-C isoform X1
ERE85515.1	cyclin-C-like protein
NP_001002665.1	cyclin-D-binding Myb-like transcription factor 1
XP_006633791.1	cyclin-D-binding Myb-like transcription factor 1-like
XP_006641237.1	cyclin-dependent kinase 10-like
XP_005928456.1	cyclin-dependent kinase 10-like isoform X1
XP_005805815.1	cyclin-dependent kinase 11B-like isoform X1
XP_005938231.1	cyclin-dependent kinase 11B-like isoform X2
XP_005057638.1	cyclin-dependent kinase 11B-like isoform X7
XP_006798324.1	cyclin-dependent kinase 12-like isoform X1
XP_687417.4	cyclin-dependent kinase 13
NP_001086352.1	cyclin-dependent kinase 14
XP_006002751.1	cyclin-dependent kinase 14 isoform X2
NP_001035398.1	cyclin-dependent kinase 15
XP_001335575.1	cyclin-dependent kinase 16 isoform X1
XP_005166776.1	cyclin-dependent kinase 16 isoform X3
XP_005951497.1	cyclin-dependent kinase 17-like
XP_004558963.1	cyclin-dependent kinase 17-like isoform X6
XP_005478025.1	cyclin-dependent kinase 17-like isoform X8
XP_006760252.1	cyclin-dependent kinase 19
XP_005931125.1	cyclin-dependent kinase 19-like isoform X2
XP_005166745.1	cyclin-dependent kinase 20 isoform X1
XP_007071681.1	cyclin-dependent kinase 2-associated protein 1
XP_004065800.1	cyclin-dependent kinase 2-associated protein 2-like isoform 1
NP_001134627.1	cyclin-dependent kinase 2-interacting protein
XP_006635308.1	cyclin-dependent kinase 4 inhibitor C-like
XP_006629371.1	cyclin-dependent kinase 4-like
XP_004556850.1	cyclin-dependent kinase 5 activator 1-like isoform X1
XP_004765998.1	cyclin-dependent kinase 5 isoform X3
NP_001003508.1	cyclin-dependent kinase 5, regulatory subunit 2b (p39)
XP_005159752.1	cyclin-dependent kinase 6 isoform X1
XP_005796803.1	cyclin-dependent kinase 6-like
XP_698003.2	cyclin-dependent kinase 6-like isoform X2
EMP36401.1	Cyclin-dependent kinase 8
XP_006628079.1	cyclin-dependent kinase 8-like

NP_001187491.1 cyclin-dependent kinase inhibitor 1b
 XP_005164787.1 cyclin-dependent kinase inhibitor 1b, like isoform X1
 NP_001002040.1 cyclin-dependent kinase inhibitor 1C
 NP_001268406.1 cyclin-dependent kinase inhibitor 1D
 XP_006632461.1 cyclin-dependent kinase inhibitor 3-like
 NP_001003773.1 cyclin-dependent kinase-like 1
 XP_005157049.1 cyclin-dependent kinase-like 1 isoform X1
 XP_006810374.1 cyclin-dependent kinase-like 1-like, partial
 ELW48740.1 Cyclin-dependent kinase-like 5
 XP_005169430.1 cyclin-dependent kinase-like 5 isoform X3
 XP_005169431.1 cyclin-dependent kinase-like 5 isoform X4
 XP_004557126.1 cyclin-dependent kinase-like 5-like isoform X4
 XP_004557127.1 cyclin-dependent kinase-like 5-like isoform X5
 XP_003198642.2 cyclin-G-associated kinase
 XP_005924577.1 cyclin-G-associated kinase-like
 XP_005162519.1 cyclin-G-associated kinase-like isoform X3
 ADO28338.1 cyclin-h
 ADO28052.1 cyclin-i
 XP_001337505.4 cyclin-J-like
 XP_006630452.1 cyclin-J-like isoform X1
 XP_006630454.1 cyclin-J-like isoform X3
 NP_956034.1 cyclin-L1
 NP_001018459.1 cyclin-related protein FAM58A
 XP_005162427.1 cyclin-T1 isoform X1
 XP_004071091.1 cyclin-T1-like, partial
 NP_001180310.1 cyclin-T2 isoform 1
 XP_005167590.1 cyclin-T2 isoform X1
 XP_005450482.1 cyclin-T2-like isoform X1
 XP_005011404.1 cyclin-Y isoform X1
 XP_684019.2 cyclin-Y isoform X1
 NP_001070188.1 cyclin-Y-like protein 1
 XP_005947894.1 cyclin-Y-like protein 1-like isoform X4
 NP_001187168.1 cyclophilin B
 AAX94773.1 Cyp26D1
 AAH72702.1 Cyp3a65 protein, partial
 NP_997769.2 cystathionase (cystathionine gamma-lyase)
 EPY88123.1 cystathionine beta-synthase
 XP_004066669.1 cystathionine beta-synthase-like
 XP_005812283.1 cystathionine beta-synthase-like, partial
 NP_001133465.1 Cystathionine gamma-lyase
 XP_005921043.1 cystathionine gamma-lyase-like
 NP_001118158.1 cystathionine-beta-synthase
 NP_001104702.1 cystathionine-beta-synthase a
 NP_001014367.2 cystathionine-beta-synthase b
 ADO27871.1 cystatin
 AFP50145.1 cystatin B
 NP_001187957.1 cystatin precursor
 ACI66582.1 Cystatin-B
 ACI68898.1 Cystatin-F precursor
 AGD94422.1 cystatin-like protein
 CBN80735.1 Cysteine and glycine-rich protein 1
 NP_991130.1 cysteine and glycine-rich protein 1a
 NP_001020346.1 cysteine and histidine-rich domain-containing protein 1
 ETE66016.1 Cysteine and histidine-rich domain-containing protein 1, partial
 NP_001070208.1 cysteine and histidine-rich protein 1
 XP_004066644.1 cysteine and tyrosine-rich protein 1-like

 CAN88772.1 cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)

 XP_005171978.1 cysteine conjugate-beta lyase; cytoplasmic isoform X1
 ACI32982.1 Cysteine desulfurase, mitochondrial precursor
 XP_005794989.1 cysteine dioxygenase type 1-like isoform X1
 NP_001019605.1 cysteine protease ATG4A
 XP_005165979.1 cysteine protease ATG4B isoform X1
 XP_005165980.1 cysteine protease ATG4B isoform X2
 NP_001002103.1 cysteine protease ATG4C
 XP_004567932.1 cysteine protease ATG4D-like
 AA162591.1 Cysteine rich transmembrane BMP regulator 1 (chordin like)
 BAE73113.1 cysteine sulfinate decarboxylase
 NP_001007349.1 cysteine sulfinic acid decarboxylase
 XP_005162434.1 cysteine sulfinic acid decarboxylase isoform X1
 XP_005162731.1 cysteine/serine-rich nuclear protein 1 isoform X1
 XP_001343412.1 cysteine/serine-rich nuclear protein 2
 XP_006636674.1 cysteine/serine-rich nuclear protein 3-like
 XP_005172592.1 cysteine/serine-rich nuclear protein 3-like isoform X2
 ACX31198.1 cysteine-rich angiogenic inducer 61 protein-like protein 1
 NP_001020698.1 cysteine-rich DPF motif domain-containing protein 1 isoform 1
 NP_001188392.1 cysteine-rich hydrophobic domain 1 protein
 XP_005809134.1 cysteine-rich hydrophobic domain 2 protein-like
 XP_005158891.1 cysteine-rich motor neuron 1 protein isoform X1

NP_997986.1	cysteine-rich motor neuron 1 protein precursor
XP_002666955.1	cysteine-rich motor neuron 1 protein-like
XP_005916974.1	cysteine-rich motor neuron 1 protein-like isoform X1
ADO27905.1	cysteine-rich protein 2
NP_001002699.2	cysteine-rich protein 2-binding protein
XP_684430.1	cysteine-rich protein 3-like
XP_005923783.1	cysteine-rich secretory protein 3-like
XP_005163480.1	cysteine-rich secretory protein LCCL domain containing 1b isoform X1
XP_006633948.1	cysteine-rich secretory protein LCCL domain-containing 1-like
XP_003199065.1	cysteine-rich secretory protein LCCL domain-containing 2-like
XP_004546506.1	cysteine-rich with EGF-like domain protein 1-like
XP_698238.4	cysteine-rich with EGF-like domain protein 1-like isoform X2
XP_006783397.1	cysteine-rich with EGF-like domain protein 1-like, partial
XP_003972974.1	cysteine-rich with EGF-like domain protein 2-like
XP_005172550.1	cysteine-rich, angiogenic inducer, 61 isoform X1
NP_001187979.1	cysteinyl leukotriene receptor 1
XP_006637564.1	cysteinyl leukotriene receptor 1-like
XP_002662591.2	cysteinyl leukotriene receptor 1-like, partial
XP_001343968.1	cysteinyl leukotriene receptor 2-like
NP_001112372.1	cysteinyl-tRNA synthetase, cytoplasmic
NP_001038348.1	cystic fibrosis transmembrane conductance regulator
ABK34437.1	cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)
XP_001919426.1	cystine/glutamate transporter-like
XP_005466062.1	cystine/glutamate transporter-like isoform X1
XP_005456697.1	cystine/glutamate transporter-like isoform X2
NP_001018407.1	cystinosin precursor
NP_001007449.1	cytidine and dCMP deaminase domain-containing protein 1
XP_005171044.1	cytidine and dCMP deaminase domain-containing protein 1 isoform X1
XP_005171045.1	cytidine and dCMP deaminase domain-containing protein 1 isoform X2
AEX32920.1	cytidine deaminase
XP_006784514.1	cytidine deaminase-like
NP_001002192.1	cytidine monophosphate-N-acetylneuraminic acid hydroxylase
XP_006628136.1	cytidine monophosphate-N-acetylneuraminic acid hydroxylase-like
ACN11464.1	Cytochrome b reductase 1
XP_004557779.1	cytochrome b reductase 1-like
BAF73665.1	cytochrome b245 alpha polypeptide
BAF73664.1	cytochrome b245 beta polypeptide
XP_005913244.1	cytochrome b-245 heavy chain-like isoform X1
NP_956708.1	cytochrome b-245, beta polypeptide
NP_998300.1	cytochrome b5
ADO29002.1	cytochrome b5 domain-containing protein 1
NP_001018496.1	cytochrome b5 reductase 4
XP_005173510.1	cytochrome b5 reductase 4 isoform X2
NP_998041.1	cytochrome b5 type B
ACO09243.1	Cytochrome b561
NP_001122216.2	cytochrome b-561
NP_001006102.1	cytochrome b-561 domain containing 2
CBN80946.1	Cytochrome b561 domain-containing protein 1
CBN81058.1	Cytochrome b-c1 complex subunit 1, mitochondrial
NP_001001589.1	cytochrome b-c1 complex subunit 2, mitochondrial
XP_003438780.1	cytochrome b-c1 complex subunit 2, mitochondrial-like isoform X1
AC166939.1	Cytochrome b-c1 complex subunit 6, mitochondrial precursor
NP_001108388.2	cytochrome c oxidase assembly factor 3 homolog, mitochondrial
NP_001025255.1	cytochrome c oxidase assembly factor 7
XP_003441034.1	cytochrome c oxidase assembly protein COX15 homolog
XP_003438720.1	cytochrome c oxidase assembly protein COX19-like
XP_006810582.1	cytochrome c oxidase protein 20 homolog
AFK11083.1	cytochrome c oxidase subunit 4 isoform 1
ACO13900.1	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial precursor
XP_005311651.1	cytochrome c oxidase subunit 5A, mitochondrial
ACN09952.1	Cytochrome c oxidase subunit 5A, mitochondrial precursor
XP_005929190.1	cytochrome c oxidase subunit 5A, mitochondrial-like
XP_003445626.2	cytochrome c oxidase subunit 6A, mitochondrial-like
XP_006053021.1	cytochrome c oxidase subunit 6A1, mitochondrial-like
ADO29173.1	cytochrome c oxidase subunit 6b1
XP_685495.1	cytochrome c oxidase subunit 8A, mitochondrial
NP_001166149.1	cytochrome c oxidase subunit VIIa polypeptide 2-like
NP_956268.1	cytochrome c oxidase subunit VIIa polypeptide 3
XP_004078675.1	cytochrome oxidase assembly protein 1 homolog isoform 1
AGN04331.1	cytochrome P450
XP_006641762.1	cytochrome P450 11B, mitochondrial-like
ABU62828.1	cytochrome P450 1A
BAC76051.1	cytochrome P450 21-hydroxylase
XP_005809477.1	cytochrome P450 26B1-like isoform X2
XP_003445774.2	cytochrome P450 27C1-like
XP_005747618.1	cytochrome P450 2E1-like
XP_003440066.2	cytochrome P450 2J6-like
XP_692555.2	cytochrome P450 2K1-like

ACI33595.1 Cytochrome P450 2M1
NP_001139036.1 cytochrome P450 2U1
XP_006787161.1 cytochrome P450 2U1-like
AHH92790.1 cytochrome P450 3A137
XP_686781.1 cytochrome P450 3A40-like isoform X4
AAS09920.1 cytochrome P450 3A65
XP_005810278.1 cytochrome P450 4V2-like
NP_001187241.1 cytochrome P450 cholesterol side chain cleavage
AHA93083.1 cytochrome P450 CYP24A1, partial
AHA93085.1 cytochrome P450 CYP27A15, partial
AHA93086.1 cytochrome P450 CYP27A16, partial
AHA93087.1 cytochrome P450 CYP27A17, partial
AHA93088.1 cytochrome P450 CYP27A18, partial
AHA93075.1 cytochrome P450 CYP2AD10, partial
AHA93069.1 cytochrome P450 CYP2AD6, partial
AHA93070.1 cytochrome P450 CYP2AD8, partial
AHA93068.1 cytochrome P450 CYP2X21
AHA93072.1 cytochrome P450 CYP2X22
AHA93073.1 cytochrome P450 CYP2Y7
AHA93074.1 cytochrome P450 CYP2Y8
AHA93076.1 cytochrome P450 CYP3A125, partial
AHA93079.1 cytochrome P450 CYP4F66
AHA93081.1 cytochrome P450 CYP8B6, partial
NP_001187258.1 cytochrome P450 precursor
NP_001018446.2 cytochrome P450, family 1, subfamily C, polypeptide 1
NP_001099140.1 cytochrome P450, family 17, subfamily A, polypeptide 2 precursor
NP_001103171.1 cytochrome P450, family 2, subfamily AA, polypeptide 12
XP_005162489.1 cytochrome P450, family 2, subfamily AA, polypeptide 3 isoform X1
NP_001076405.1 cytochrome P450, family 2, subfamily AD, polypeptide 6
AAH47194.2 Cytochrome P450, family 2, subfamily K, polypeptide 6
NP_998497.1 cytochrome P450, family 20, subfamily A, polypeptide 1
NP_001106808.2 cytochrome P450, family 27, subfamily C, polypeptide 1
NP_001007401.1 cytochrome P450, family 3, subfamily c, polypeptide 1 like, 2
NP_001071016.1 cytochrome P450, family 3, subfamily C, polypeptide 4
NP_001073465.1 cytochrome P450, family 4, subfamily V, polypeptide 7
NP_001071070.1 cytochrome P450, family 4, subfamily V, polypeptide 8
NP_001003736.1 cytochrome P450, family 8, subfamily B, polypeptide 1
AFJ04411.1 cytochrome P450, partial
NP_001187243.1 cytochrome P4501B
AHA82595.1 cytoglobin 1
AHA82596.1 cytoglobin 2
XP_006632518.1 cytoglobin-1-like
XP_005244039.1 cytohesin-1
XP_005171696.1 cytohesin-1 isoform X3
XP_004860891.1 cytohesin-1 isoform X5
XP_003940359.1 cytohesin-2
XP_006000695.1 cytohesin-2-like
XP_005732088.1 cytohesin-2-like isoform X3
XP_006637414.1 cytohesin-3-like
XP_005932915.1 cytohesin-3-like isoform X2
XP_003198225.2 cytohesin-3-like, partial
XP_003972334.1 cytohesin-4-like
XP_004674696.1 cytohesin-interacting protein
AGW21650.1 cytokine receptor family member B1
NP_001165063.1 cytokine receptor family member B13 precursor
NP_001124447.1 cytokine receptor family member B16 precursor
XP_005168017.1 cytokine receptor family member b2 isoform X1
NP_001071095.1 cytokine receptor family member b6 precursor
XP_005160393.1 cytokine receptor family member b8 isoform X1
ABJ97314.1 cytokine receptor family member B9
NP_001002650.1 cytokine receptor-like factor 1 precursor
XP_005935243.1 cytokine-dependent hematopoietic cell linker-like
XP_006628404.1 cytokine-inducible SH2-containing protein-like
ADC54227.1 cytokine-inducible Src homology 2
CC15041.1 cytokine-inducible SRC homology 2 (SH2)-domain-containing protein-b
CBN81151.1 Cytokine-like protein 1
NP_001139981.1 Cytokine-like protein 1 precursor
XP_003474755.2 cytokinesis protein seph-like
NP_001030155.1 cytoplasmic aconitate hydratase
NP_001036210.1 cytoplasmic dynein 1 heavy chain 1
XP_006632302.1 cytoplasmic dynein 1 heavy chain 1-like
XP_005723865.1 cytoplasmic dynein 1 heavy chain 1-like isoform X1
XP_005158174.1 cytoplasmic dynein 1 intermediate chain 1 isoform X1
XP_005432173.1 cytoplasmic dynein 1 intermediate chain 1 isoform X5
XP_001339287.4 cytoplasmic dynein 1 intermediate chain 1-like
XP_006636085.1 cytoplasmic dynein 1 intermediate chain 1-like isoform X1
XP_005172138.1 cytoplasmic dynein 1 intermediate chain 2 isoform X3
XP_006003031.1 cytoplasmic dynein 1 intermediate chain 2 isoform X4
XP_005452985.1 cytoplasmic dynein 1 intermediate chain 2-like isoform X2

XP_004557782.1 cytoplasmic dynein 1 intermediate chain 2-like isoform X3
 XP_003198789.1 cytoplasmic dynein 1 intermediate chain 2-like isoformX2
 NP_001095898.1 cytoplasmic dynein 1 light intermediate chain 1
 XP_005159571.1 cytoplasmic dynein 1 light intermediate chain 1 isoform X1
 XP_005152226.1 cytoplasmic dynein 1 light intermediate chain 2
 XP_005166507.1 cytoplasmic dynein 1 light intermediate chain 2 isoform X1
 ELK25635.1 Cytoplasmic dynein 1 light intermediate chain 2, partial
 XP_003969722.1 cytoplasmic dynein 1 light intermediate chain 2-like
 XP_002667189.3 cytoplasmic dynein 2 heavy chain 1
 XP_004075851.1 cytoplasmic dynein 2 heavy chain 1-like
 XP_005173479.1 cytoplasmic dynein 2 heavy chain 1-like, partial
 ADO27757.1 cytoplasmic dynein 2 light intermediate chain 1
 XP_004447755.1 cytoplasmic FMR1-interacting protein 1
 NP_997924.1 cytoplasmic FMR1-interacting protein 1 homolog
 XP_002664473.3 cytoplasmic FMR1-interacting protein 2-like
 NP_001188218.1 cytoplasmic phosphatidylinositol transfer protein 1
 XP_003458369.1 cytoplasmic phosphatidylinositol transfer protein 1-like isoform X1
 ELK18304.1 Cytoplasmic polyadenylation element-binding protein 1
 XP_002666445.2 cytoplasmic polyadenylation element-binding protein 2 isoform X1
 XP_005174144.1 cytoplasmic polyadenylation element-binding protein 2 isoform X3
 EPQ18806.1 Cytoplasmic polyadenylation element-binding protein 3
 XP_005991598.1 cytoplasmic polyadenylation element-binding protein 3 isoform X1
 XP_003963712.1 cytoplasmic polyadenylation element-binding protein 3-like
 XP_006799108.1 cytoplasmic polyadenylation element-binding protein 3-like isoform X4
 XP_005173170.1 cytoplasmic polyadenylation element-binding protein 4 isoform X1
 XP_005173171.1 cytoplasmic polyadenylation element-binding protein 4 isoform X2
 XP_005727991.1 cytoplasmic polyadenylation element-binding protein 4-like
 XP_004076185.1 cytoplasmic polyadenylation element-binding protein 4-like isoform 2
 XP_002666641.1 cytoplasmic protein NCK1 isoform X1
 NP_001003492.2 cytoplasmic protein NCK2
 XP_005172497.1 cytoplasmic tRNA 2-thiolation protein 1 isoform X2
 NP_001003560.1 cytoplasmic tRNA 2-thiolation protein 2
 XP_006825183.1 cytoplasmic tRNA 2-thiolation protein 2-A-like, partial
 XP_006639186.1 cytoplasmic tyrosine-protein kinase BMX-like
 XP_692712.5 cytoskeletal protein Sojo isoform X2
 AA109454.1 Cytoskeleton associated protein 5
 XP_697274.2 cytoskeleton-associated protein 2
 NP_001119903.1 cytoskeleton-associated protein 2-like
 XP_005811997.1 cytoskeleton-associated protein 4-like
 XP_005174304.1 cytoskeleton-associated protein 5 isoform X1
 XP_005458429.1 cytoskeleton-associated protein 5 isoform X3
 XP_005458431.1 cytoskeleton-associated protein 5 isoform X5
 XP_006643186.1 cytoskeleton-associated protein 5-like
 NP_001108319.1 cytosol aminopeptidase
 XP_004065994.1 cytosol aminopeptidase-like
 NP_001185701.1 cytosolic 10-formyltetrahydrofolate dehydrogenase
 XP_004559898.1 cytosolic 10-formyltetrahydrofolate dehydrogenase-like
 NP_001187465.1 cytosolic 5'-nucleotidase 1a
 XP_005917044.1 cytosolic 5'-nucleotidase 1A-like
 NP_001188236.1 cytosolic 5'-nucleotidase III
 XP_003414519.1 cytosolic 5'-nucleotidase III-like protein-like
 NP_001187273.1 cytosolic acetyl-CoA acetyltransferase
 NP_001004617.1 cytosolic acyl coenzyme A thioester hydrolase
 XP_005994265.1 cytosolic acyl coenzyme A thioester hydrolase isoform X1
 XP_005167332.1 cytosolic acyl coenzyme A thioester hydrolase isoform X3
 XP_006749314.1 cytosolic acyl coenzyme A thioester hydrolase-like, partial
 NP_001018529.1 cytosolic beta-glucosidase
 NP_001019616.1 cytosolic carboxypeptidase 1
 XP_006626676.1 cytosolic carboxypeptidase 1-like
 XP_005452113.1 cytosolic carboxypeptidase 1-like isoform X3
 XP_005163181.1 cytosolic carboxypeptidase 2 isoform X1
 XP_003201457.2 cytosolic carboxypeptidase 4-like
 XP_003439705.2 cytosolic carboxypeptidase 6
 XP_006635306.1 cytosolic carboxypeptidase 6-like
 NP_001004113.1 cytosolic carboxypeptidase-like protein 5
 NP_001074047.2 cytosolic endo-beta-N-acetylglucosaminidase
 XP_005164098.1 cytosolic endo-beta-N-acetylglucosaminidase isoform X1
 NP_001074460.2 cytosolic Fe-S cluster assembly factor narfl
 NP_001017538.1 cytosolic Fe-S cluster assembly factor nubp1
 XP_003438505.1 cytosolic Fe-S cluster assembly factor nubp2-like
 AAO26196.1 cytosolic malate dehydrogenase
 NP_001070806.1 cytosolic malic enzyme 1
 XP_005170061.1 cytosolic non-specific dipeptidase isoform X1
 XP_003965933.1 cytosolic non-specific dipeptidase-like
 XP_687485.3 cytosolic phospholipase A2
 XP_004712819.1 cytosolic phospholipase A2 beta
 XP_693755.4 cytosolic phospholipase A2 zeta-like
 XP_001920867.2 cytosolic phospholipase A2 zeta-like isoform X1
 XP_005158758.1 cytosolic phospholipase A2 zeta-like isoform X2

XP_006634713.1 cytosolic phospholipase A2-like
 NP_001073435.1 cytosolic purine 5'-nucleotidase
 NP_001133412.1 Cytosolic purine 5'-nucleotidase
 XP_006021345.1 cytosolic purine 5'-nucleotidase isoform X1
 XP_006630877.1 cytosolic purine 5'-nucleotidase-like
 NP_899191.2 cytosolic sulfotransferase 3
 XP_005161157.1 cytospin-A isoform X1
 XP_692458.2 cytospin-A-like
 XP_690827.4 cytospin-B isoform X4
 XP_005800869.1 cytospin-B-like
 NP_001117972.1 cytotoxic and regulatory T cell protein precursor
 XP_005167576.1 cytotoxic T-lymphocyte protein 4-like
 NP_001183991.1 D site of albumin promoter (albumin D-box) binding protein b
 XP_005157954.1 D site of albumin promoter (albumin D-box) binding protein b isoform X1
 XP_005158584.1 D(1C) dopamine receptor-like
 XP_005950362.1 D(2)-like dopamine receptor-like
 NP_898890.1 D(3) dopamine receptor
 XP_005162730.1 D(3) dopamine receptor isoform X1
 XP_005722723.1 D(3) dopamine receptor-like isoform X1
 CAA74970.1 D1A3 Dopamine receptor
 XP_005168474.1 D-2-hydroxyglutarate dehydrogenase, mitochondrial isoform X1
 NP_955871.1 D-3-phosphoglycerate dehydrogenase
 NP_997861.2 D4, zinc and double PHD fingers family 2, like
 Q7ZV84.2 DAAF1_DANRE RecName: Full=Dynein assembly factor 1, axonemal; AltName: Full=Leucine-rich repeat-containing protein 50
 NP_001116329.1 DAB2 interacting protein
 XP_005171937.1 DAB2 interacting protein isoform X1
 XP_005171938.1 DAB2 interacting protein isoform X2
 XP_005171939.1 DAB2 interacting protein isoform X3
 AA162622.1 Dachshund c
 XP_005167806.1 dachshund homolog 1 isoform X1
 XP_006639442.1 dachshund homolog 1-like
 XP_005935211.1 dachshund homolog 1-like isoform X1
 XP_004324822.1 dachshund homolog 1-like, partial
 XP_005161465.1 dachshund homolog 2 isoform X3
 NP_001116798.1 DALR anticodon-binding domain-containing protein 3
 ADO27950.1 d-amino-acid oxidase
 XP_006126808.1 D-amino-acid oxidase isoform X2
 NP_001187144.1 DAP10 precursor
 NP_999896.2 dapper homolog 1
 XP_005169674.1 dapper homolog 2
 XP_001340996.1 dapper homolog 3-like
 NP_001187311.1 d-aspartate oxidase
 ABQ59654.1 DAXX
 AAH77095.1 Daxx protein
 XP_005155752.1 DAZ associated protein 1 isoform X2
 XP_006629298.1 DAZ-associated protein 2-like
 NP_001082978.1 D-beta-hydroxybutyrate dehydrogenase, mitochondrial
 XP_003968086.1 D-beta-hydroxybutyrate dehydrogenase, mitochondrial-like
 NP_001121997.1 DBH-like monoxygenase protein 2 homolog precursor
 XP_005155586.1 DBIRD complex subunit KIAA1967-like isoform X1
 XP_005155588.1 DBIRD complex subunit KIAA1967-like isoform X3
 NP_001076310.1 DBIRD complex subunit ZNF326
 NP_001183989.1 D-box binding protein 1
 XP_003217759.1 DCC-interacting protein 13-alpha
 XP_003443962.1 DCC-interacting protein 13-beta
 XP_005174316.1 DCC-interacting protein 13-beta isoform X1
 XP_004069553.1 DCC-interacting protein 13-beta-like isoform 2
 XP_004563847.1 DCC-interacting protein 13-beta-like isoform X1
 XP_003894829.1 DCN1-like protein 1
 XP_006639258.1 DCN1-like protein 2-like
 XP_006810129.1 DCN1-like protein 2-like isoform X1
 NP_001096582.1 DCN1-like protein 3
 XP_005721669.1 DCN1-like protein 3-like isoform X1
 NP_001027538.1 DCN1-like protein 4
 NP_001187585.1 den1-like protein 5
 B0V2S2.1 DCR1B_DANRE RecName: Full=5' exonuclease Apollo; AltName: Full=DNA cross-link repair 1B protein; AltName: Full=SNM1 homolog B
 XP_683798.3 DC-STAMP domain-containing protein 1 isoform X2
 XP_684152.5 DC-STAMP domain-containing protein 2
 XP_005456158.1 DC-STAMP domain-containing protein 2-like
 XP_003972515.1 dCTP pyrophosphatase 1-like
 NP_998111.2 DDB1- and CUL4-associated factor 10
 NP_001026845.1 DDB1- and CUL4-associated factor 11
 XP_006809484.1 DDB1- and CUL4-associated factor 11-like
 NP_001071048.1 DDB1- and CUL4-associated factor 12
 NP_956423.1 DDB1- and CUL4-associated factor 13
 XP_682800.2 DDB1- and CUL4-associated factor 15
 XP_005167463.1 DDB1- and CUL4-associated factor 17 isoform X1

NP_956995.1	DDB1- and CUL4-associated factor 4
XP_005917679.1	DDB1- and CUL4-associated factor 4-like
NP_001071020.1	DDB1- and CUL4-associated factor 5
XP_003962414.1	DDB1- and CUL4-associated factor 5-like
XP_005167901.1	DDB1- and CUL4-associated factor 6 isoform X5
XP_005164053.1	DDB1- and CUL4-associated factor 7 isoform X1
Q6TH22.1	DDI2_DANRE RecName: Full=Protein DDI1 homolog 2
NP_956587.2	DDRKG domain-containing protein 1 precursor
AAH96386.1	ddx10 protein
AAI33101.1	Ddx46 protein
AAH72323.1	Ddx49-A-prov protein, partial
AAH67608.1	Ddx52 protein
AAH59534.1	Ddx55 protein, partial
ACH85363.1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21
XP_005156779.1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 isoform X1, partial
AAH75762.1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49
AAI16543.1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 56
AEX33122.1	dead end
ABA42832.1	dead eye
AAH44541.1	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (DBP5 homolog, yeast)
NP_001189401.1	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 32
XP_005169544.1	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 32 isoform X1
NP_001001947.1	deafness, autosomal dominant 5
NP_001108613.1	DEAH (Asp-Glu-Ala-His) box polypeptide 15
NP_956318.1	DEAH (Asp-Glu-Ala-His) box polypeptide 16
XP_003199045.2	death domain-containing protein 1-like
XP_005454454.1	death domain-containing protein 1-like isoform X1
NP_001188242.1	death domain-containing protein CRADD
ABG91568.1	death receptor 6
NP_001093460.1	death-associated protein kinase 1
XP_006641796.1	death-associated protein kinase 1-like
XP_683154.4	death-associated protein kinase 2 isoform X2
EPQ04516.1	Death-associated protein kinase 3
XP_004943781.1	death-associated protein kinase 3 isoform X2
ADO28237.1	death-associated protein-like 1-b
EQB77206.1	death-inducer obliterator 1 isoform b
XP_004947154.1	death-inducer obliterator 1 isoform X4
XP_005734723.1	decapping and exoribonuclease protein-like
NP_001017656.1	decaprenyl-diphosphate synthase subunit 1
XP_005730522.1	decaprenyl-diphosphate synthase subunit 1-like isoform X1
NP_001002351.1	decaprenyl-diphosphate synthase subunit 2
XP_006626097.1	decaprenyl-diphosphate synthase subunit 2-like
AAT35602.1	decorin
NP_001189422.1	dedicator of cytokinesis 11-like
NP_001103481.1	dedicator of cytokinesis protein 1
XP_001341048.5	dedicator of cytokinesis protein 10
XP_004075714.1	dedicator of cytokinesis protein 10-like
XP_006795482.1	dedicator of cytokinesis protein 10-like isoform X1
XP_006795486.1	dedicator of cytokinesis protein 10-like isoform X5
XP_006802684.1	dedicator of cytokinesis protein 11-like
XP_004567160.1	dedicator of cytokinesis protein 11-like isoform X1
XP_006630472.1	dedicator of cytokinesis protein 1-like
XP_006791113.1	dedicator of cytokinesis protein 1-like isoform X3
XP_002664309.3	dedicator of cytokinesis protein 2
EMC78215.1	Dedicator of cytokinesis protein 2, partial
XP_004073329.1	dedicator of cytokinesis protein 2-like
XP_006782054.1	dedicator of cytokinesis protein 2-like, partial
EMC80087.1	Dedicator of cytokinesis protein 3
XP_005485586.1	dedicator of cytokinesis protein 3 isoform X3
XP_003585402.2	dedicator of cytokinesis protein 3, partial
XP_006631136.1	dedicator of cytokinesis protein 3-like
XP_006796429.1	dedicator of cytokinesis protein 3-like isoform X1
XP_004559070.1	dedicator of cytokinesis protein 3-like isoform X2
XP_004559074.1	dedicator of cytokinesis protein 3-like isoform X6
XP_004559077.1	dedicator of cytokinesis protein 3-like isoform X9
XP_005817039.1	dedicator of cytokinesis protein 3-like, partial
NP_001159700.1	dedicator of cytokinesis protein 4
XP_005165056.1	dedicator of cytokinesis protein 4 isoform X4
XP_006633511.1	dedicator of cytokinesis protein 4-like
XP_005170755.1	dedicator of cytokinesis protein 4-like isoform X1
XP_694475.5	dedicator of cytokinesis protein 4-like isoform X2
XP_005165944.1	dedicator of cytokinesis protein 7 isoform X3
XP_005165946.1	dedicator of cytokinesis protein 7 isoform X5
XP_005165947.1	dedicator of cytokinesis protein 7 isoform X6
XP_005468812.1	dedicator of cytokinesis protein 7 isoform X7
XP_005468813.1	dedicator of cytokinesis protein 7 isoform X8
XP_005944328.1	dedicator of cytokinesis protein 7-like isoform X1
XP_006634906.1	dedicator of cytokinesis protein 7-like isoform X2
XP_005749964.1	dedicator of cytokinesis protein 7-like isoform X3

XP_005944331.1	dedicator of cytokinesis protein 7-like isoform X4
XP_005749966.1	dedicator of cytokinesis protein 7-like isoform X5
XP_005749967.1	dedicator of cytokinesis protein 7-like isoform X6
XP_004574560.1	dedicator of cytokinesis protein 7-like isoform X7
XP_005749969.1	dedicator of cytokinesis protein 7-like isoform X8
XP_001920107.4	dedicator of cytokinesis protein 8
XP_006626930.1	dedicator of cytokinesis protein 8-like
XP_004547259.1	dedicator of cytokinesis protein 8-like isoform X1
XP_001920312.4	dedicator of cytokinesis protein 9
XP_004081985.1	dedicator of cytokinesis protein 9-like
XP_005921489.1	dedicator of cytokinesis protein 9-like isoform X1
XP_004557849.1	dedicator of cytokinesis protein 9-like isoform X2
XP_005723588.1	dedicator of cytokinesis protein 9-like isoform X3
AAH76520.1	De-etiolated homolog 1 (Arabidopsis)
XP_005174311.1	deformed epidermal autoregulatory factor 1 homolog isoform X2
XP_005174312.1	deformed epidermal autoregulatory factor 1 homolog isoform X3
NP_001187333.1	degenerative spermatocyte homolog 2, lipid desaturase
NP_998352.1	dehydrodolichyl diphosphate synthase
XP_005455382.1	dehydrodolichyl diphosphate synthase-like isoform X1
AAI24219.1	Dehydrogenase/reductase (SDR family) member 11a
NP_001006070.1	dehydrogenase/reductase (SDR family) member 3b
XP_005167984.1	dehydrogenase/reductase (SDR family) member 9 isoform X1
NP_001002205.1	dehydrogenase/reductase SDR family member 1
XP_004557490.1	dehydrogenase/reductase SDR family member 11-like
NP_001070025.1	dehydrogenase/reductase SDR family member 12
XP_005738401.1	dehydrogenase/reductase SDR family member 12-like isoform X2
NP_001188023.1	dehydrogenase/reductase sdr family member 13
XP_006640955.1	dehydrogenase/reductase SDR family member 13-like
XP_005933717.1	dehydrogenase/reductase SDR family member 1-like isoform X1
XP_005817485.1	dehydrogenase/reductase SDR family member 1-like, partial
NP_001187298.1	dehydrogenase/reductase sdr family member 4
ADO28180.1	dehydrogenase/reductase sdr family member 7b
NP_001018493.1	dehydrogenase/reductase SDR family member 7C
XP_004080752.1	dehydrogenase/reductase SDR family member 7C-A-like
NP_001013557.1	dehydrogenase/reductase SDR family member 7C-B precursor
XP_005810031.1	dehydrogenase/reductase SDR family member on chromosome X-like
AGT55555.1	deiodinase III
XP_003968088.1	deleted in autism protein 1 homolog
XP_697696.2	deleted in autism-related protein 1 homolog
XP_006635878.1	deleted in azoospermia-like
XP_002662264.3	deleted in bladder cancer protein 1 homolog
XP_005155214.1	deleted in liver cancer 1
XP_683226.4	deleted in lung and esophageal cancer protein 1
EGV92326.1	Deleted in malignant brain tumors 1 protein
XP_005158771.1	deleted in malignant brain tumors 1 protein-like
XP_688939.6	deleted in malignant brain tumors 1 protein-like isoform X2
XP_004539380.1	deleted in malignant brain tumors 1 protein-like, partial
NP_001038368.1	delphinin
XP_005156208.1	delphinin isoform X1
XP_005156209.1	delphinin isoform X2
XP_002661187.2	delphinin-like
XP_001509025.2	delta and Notch-like epidermal growth factor-related receptor
XP_005746954.1	delta and Notch-like epidermal growth factor-related receptor-like
BAO48190.1	delta opioid receptor
XP_005800822.1	delta(14)-sterol reductase-like
XP_005796903.1	delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial-like
XP_005474529.1	delta/notch-like EGF repeat containing
XP_005156399.1	delta-1-pyrroline-5-carboxylate synthase-like isoform X2
ACO09314.1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial precursor
AFN21428.1	delta-6 desaturase
ADO27971.1	delta-aminolevulinic acid dehydratase
AAI62095.1	DeltaC
NP_001073304.1	delta-like protein 4 precursor
NP_571033.1	delta-like protein B precursor
NP_001001816.1	delta-sarcoglycan
XP_005161486.1	delta-sarcoglycan isoform X1
NP_001120780.1	deltex1
XP_005992666.1	dematin
XP_005155373.1	dematin isoform X2
XP_005458369.1	dematin-like isoform X1
XP_005170804.1	dendritic cell-specific transmembrane protein-like
XP_689212.6	DENN domain-containing protein 1A
XP_683977.2	DENN domain-containing protein 1A isoform X4
XP_006799850.1	DENN domain-containing protein 1A-like
XP_006635012.1	DENN domain-containing protein 1B-like
XP_005168459.1	DENN domain-containing protein 1C-like
XP_001920375.4	DENN domain-containing protein 2A
XP_006633745.1	DENN domain-containing protein 2A-like
XP_005815797.1	DENN domain-containing protein 2A-like, partial

XP_001919086.4	DENN domain-containing protein 2C
XP_005730859.1	DENN domain-containing protein 2C-like isoform X1
XP_006115803.1	DENN domain-containing protein 2D
XP_006804333.1	DENN domain-containing protein 2D-like
XP_005458837.1	DENN domain-containing protein 2D-like isoform X2
XP_001338419.4	DENN domain-containing protein 3 isoform X1
XP_006226155.1	DENN domain-containing protein 3-like isoform X2
XP_002665116.3	DENN domain-containing protein 4B
XP_005462467.1	DENN domain-containing protein 4B-like isoform X1
XP_001919990.2	DENN domain-containing protein 4C isoform X1
XP_003452431.1	DENN domain-containing protein 4C-like isoform X1
ERE77243.1	DENN domain-containing protein 5A
XP_001340162.4	DENN domain-containing protein 5A isoform X1
XP_005166668.1	DENN domain-containing protein 5A isoform X2
XP_005812172.1	DENN domain-containing protein 5A-like
XP_004067055.1	DENN domain-containing protein 5A-like isoform 3
XP_006780238.1	DENN domain-containing protein 5A-like isoform X1
XP_005724388.1	DENN domain-containing protein 5A-like isoform X3
XP_005164768.1	DENN domain-containing protein 5B isoform X1
XP_005164769.1	DENN domain-containing protein 5B isoform X2
XP_005164770.1	DENN domain-containing protein 5B isoform X3
XP_003449809.1	DENN domain-containing protein 5B-like isoform X1
XP_004570943.1	DENN domain-containing protein 5B-like isoform X5
XP_006903741.1	DENN/MADD domain containing 1B
NP_001070762.1	DENN/MADD domain containing 2D
NP_001007347.1	DENN/MADD domain containing 2Db
NP_001005987.1	DENN/MADD domain containing 6Aa
NP_001187821.1	density-regulated protein
NP_775348.1	denticleless protein homolog
XP_005469276.1	dentin matrix acidic phosphoprotein 1-like
XP_005167960.1	dentin sialophosphoprotein
XP_685616.1	dentin sialophosphoprotein isoform 1
XP_005169805.1	dentin sialophosphoprotein isoform X1
XP_692242.5	dentin sialophosphoprotein isoform X3
XP_005171174.1	dentin sialophosphoprotein-like
XP_004549353.1	dentin sialophosphoprotein-like isoform X1
XP_005953117.1	dentin sialophosphoprotein-like, partial
NP_001007057.1	deoxycytidine kinase
AAO64438.1	deoxycytidine kinase 2
XP_003449700.1	deoxycytidine kinase-like
NP_955857.1	deoxyhypusine hydroxylase
XP_005938476.1	deoxyhypusine hydroxylase-like isoform X1
XP_002661151.2	deoxyhypusine synthase-like isoform X1
NP_001153405.1	deoxynucleoside triphosphate triphosphohydrolase SAMHD1
XP_005740591.1	deoxynucleoside triphosphate triphosphohydrolase SAMHD1-like
XP_006804372.1	deoxynucleoside triphosphate triphosphohydrolase SAMHD1-like, partial
XP_002190613.1	deoxyribodipyrimidine photo-lyase-like
ACO09676.1	Deoxyribonuclease gamma precursor
NP_957163.1	deoxyribonuclease gamma-like
AAH56304.1	Deoxyribonuclease I-like 3
NP_001002403.1	deoxyribonuclease I-like 3, like precursor
NP_001108210.1	deoxyribonuclease-2-alpha precursor
XP_691451.5	deoxyribonuclease-2-beta-like
XP_005939194.1	deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial-like isoform X1
XP_005082812.1	DEP domain-containing mTOR-interacting protein
XP_005173580.1	DEP domain-containing mTOR-interacting protein isoform X1
XP_003966090.1	DEP domain-containing mTOR-interacting protein-like
NP_942573.1	DEP domain-containing protein 1A
XP_005166830.1	DEP domain-containing protein 1A isoform X1
XP_005990775.1	DEP domain-containing protein 1B
XP_006626875.1	DEP domain-containing protein 1B-like
XP_005155706.1	DEP domain-containing protein 5 isoform X1
XP_005155708.1	DEP domain-containing protein 5 isoform X3
XP_005155709.1	DEP domain-containing protein 5 isoform X4
XP_005155710.1	DEP domain-containing protein 5 isoform X5
ETE67102.1	DEP domain-containing protein 5, partial
XP_005816102.1	DEP domain-containing protein 5-like
NP_003198330.2	DEP domain-containing protein 7
NP_001038908.1	dephospho-CoA kinase domain-containing protein
NP_001187913.1	derlin-1
ACO10173.1	Derlin-2
NP_001028898.1	dermal papilla derived protein 13
XP_005162575.1	dermal papilla derived protein 13 isoform X1
NP_001134000.1	Dermal papilla-derived protein 6 homolog
XP_696502.2	dermatan sulfate epimerase-like
XP_003453027.2	dermatan-sulfate epimerase isoform X1
XP_004068350.1	dermatopontin-like
NP_001118149.1	Dermo-1
AAI63379.1	Desert hedgehog

NP_001070920.1 desmin
 NP_001274012.1 desmocollin-1
 NP_001243566.1 desmoglein 2 precursor
 XP_005171176.1 desmoglein-2
 XP_003200735.2 desmoglein-2-like
 XP_003437938.1 desmoplakin isoform X1
 XP_005171161.1 desmoplakin isoform X2
 XP_003977702.1 desmoplakin-like
 XP_006786500.1 desmoplakin-like isoform X2
 XP_005462099.1 desmoplakin-like isoform X3
 NP_956502.1 desumoylating isopeptidase 1b
 XP_005750220.1 desumoylating isopeptidase 1-like isoform X1
 NP_001003532.1 desumoylating isopeptidase 2
 XP_006632775.1 desumoylating isopeptidase 2-like
 NP_955964.1 DET1 homolog
 XP_699171.3 deubiquitinating protein VCIP135-like isoform X2
 XP_006762151.1 developmentally-regulated GTP-binding protein 1
 XP_004071808.1 developmentally-regulated GTP-binding protein 2-like
 XP_005943670.1 dexamethasone-induced protein homolog
 XP_006797048.1 dexamethasone-induced Ras-related protein 1-like
 AAH67602.1 Dffb protein, partial
 NP_998014.1 D-glucuronyl C5-epimerase
 NP_571054.1 dharmia
 DHTK1_DANRE RecName: Full=Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1,
 mitochondrial; AltName: Full=Dehydrogenase E1 and transketolase domain-containing protein 1; Flags:
 Precursor
 Q5PRA2.2
 NP_956640.1 diablo, IAP-binding mitochondrial protein a
 XP_003963571.1 diacylglycerol kinase alpha-like
 XP_005475267.1 diacylglycerol kinase beta
 XP_696120.6 diacylglycerol kinase beta isoform X2
 XP_006636437.1 diacylglycerol kinase beta-like
 XP_005933489.1 diacylglycerol kinase beta-like isoform X5
 XP_004576775.1 diacylglycerol kinase delta
 XP_005172373.1 diacylglycerol kinase delta isoform X2
 XP_005172375.1 diacylglycerol kinase delta isoform X4
 XP_006638027.1 diacylglycerol kinase delta-like
 XP_005751679.1 diacylglycerol kinase delta-like isoform X1
 XP_005494016.1 diacylglycerol kinase delta-like isoform X2
 NP_001165699.1 diacylglycerol kinase epsilon
 XP_005803078.1 diacylglycerol kinase epsilon-like
 XP_005168036.1 diacylglycerol kinase eta isoform X1
 XP_005168037.1 diacylglycerol kinase eta isoform X2
 XP_006639084.1 diacylglycerol kinase eta-like
 XP_006806014.1 diacylglycerol kinase eta-like isoform X1
 XP_002667022.3 diacylglycerol kinase iota
 XP_005934327.1 diacylglycerol kinase iota-like
 XP_002935917.1 diacylglycerol kinase theta
 XP_006629915.1 diacylglycerol kinase theta-like
 XP_001922445.3 diacylglycerol kinase zeta isoform X1
 XP_005169094.1 diacylglycerol kinase zeta isoform X10
 XP_005169091.1 diacylglycerol kinase zeta isoform X7
 XP_005169092.1 diacylglycerol kinase zeta isoform X8
 XP_005104439.1 diacylglycerol kinase zeta-like
 XP_005174345.1 diacylglycerol kinase zeta-like isoform X2
 XP_005174347.1 diacylglycerol kinase zeta-like isoform X4
 NP_956024.1 diacylglycerol O-acyltransferase 1
 EDL29576.1 diacylglycerol O-acyltransferase 1, isoform CRA_b
 ERE81382.1 diacylglycerol O-acyltransferase 1-like protein
 NP_001188005.1 diacylglycerol O-acyltransferase 2
 NP_001002458.1 diacylglycerol O-acyltransferase homolog 1b
 ADO28182.1 diamine acetyltransferase 1
 NP_001008598.1 diamine N-acetyltransferase 2
 AA124129.1 Dickkopf 1
 NP_001152755.1 dickkopf homolog 3b precursor
 XP_005173020.1 dickkopf-related protein 1 isoform X1
 XP_005809609.1 dickkopf-related protein 1-like
 XP_004065967.1 dickkopf-related protein 2-like
 NP_001083014.1 dickkopf-related protein 3 precursor
 XP_005913683.1 dickkopf-related protein 3-like
 NP_001017625.1 diencephalon/mesencephalon homeobox protein 1-B
 XP_005733203.1 diencephalon/mesencephalon homeobox protein 1-like
 EQB77435.1 diencephalon/mesencephalon homeobox protein 1-like isoform 1
 Q6PEH4.2 DIEXF_DANRE RecName: Full=Digestive organ expansion factor
 ACM09388.1 Differentially expressed in FDCC 6
 XP_692142.2 differentially expressed in FDCC 6 homolog
 XP_005166858.1 differentially expressed in FDCC 6 homolog isoform X1
 NP_001007396.1 differentially expressed in FDCC 8 homolog
 XP_005052294.1 differentially expressed in FDCC 8 homolog isoform X2
 XP_004557229.1 digestive cysteine proteinase 2-like

AAK01951.1 dihydrofolate reductase
 AAI63278.1 Dihydroliipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)
 XP_006120481.1 dihydroliipoyl dehydrogenase, mitochondrial
 XP_003439434.1 dihydroliipoyl dehydrogenase, mitochondrial-like
 NP_997832.1 dihydroliipoyllsine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial
 NP_958895.1 dihydroliipoyllsine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial
 XP_005166619.1 dihydroorotate dehydrogenase, mitochondrial isoform X1
 ACT33649.1 Dihydroorotate dehydrogenase, mitochondrial precursor
 NP_001187412.1 dihydropteridine reductase
 XP_003976549.1 dihydropyridine-sensitive L-type skeletal muscle calcium channel subunit alpha-1-like, partial
 NP_001116535.1 dihydropyrimidinase
 XP_005807551.1 dihydropyrimidinase-like
 NP_001018353.1 dihydropyrimidinase-related protein 2
 XP_005155688.1 dihydropyrimidinase-related protein 2 isoform X1
 XP_006095091.1 dihydropyrimidinase-related protein 2 isoform X2
 XP_003199094.1 dihydropyrimidinase-related protein 2-like
 XP_006625781.1 dihydropyrimidinase-related protein 2-like isoform X2
 XP_005173027.1 dihydropyrimidinase-related protein 4 isoform X1
 NP_001018159.1 dihydropyrimidinase-related protein 5
 NP_998058.1 dihydropyrimidine dehydrogenase NADP(+)
 XP_006635038.1 dihydropyrimidine dehydrogenase NADP(+)-like
 XP_004574050.1 dihydropyrimidine dehydrogenase NADP(+)-like
 XP_003453199.1 dihydropyrimidine dehydrogenase NADP(+)-like isoform X1
 XP_002665694.2 dihydroxyacetone phosphate acyltransferase
 XP_006625725.1 dihydroxyacetone phosphate acyltransferase-like
 XP_004566573.1 dimethyladenosine transferase 1, mitochondrial-like
 XP_005158702.1 dimethyladenosine transferase 2, mitochondrial isoform X1
 XP_006626127.1 dimethyladenosine transferase 2, mitochondrial-like
 NP_997966.1 dimethylalanine monooxygenase-like
 XP_006635351.1 dimethylaniline monooxygenase N-oxide-forming 5-like
 XP_004068320.1 dimethylaniline monooxygenase N-oxide-forming 5-like
 XP_002665871.2 dimethylglycine dehydrogenase, mitochondrial
 XP_003978170.1 dimethylglycine dehydrogenase, mitochondrial-like
 XP_005720172.1 dimethylglycine dehydrogenase, mitochondrial-like isoform X1
 XP_006635336.1 di-N-acetylchitinase-like
 XP_003199021.2 dipeptidase 3-like isoform X1
 XP_003469489.1 dipeptidyl aminopeptidase-like protein 6
 XP_006634503.1 dipeptidyl aminopeptidase-like protein 6-like
 XP_001345654.5 dipeptidyl aminopeptidase-like protein 6-like isoform X1
 XP_005162597.1 dipeptidyl aminopeptidase-like protein 6-like isoform X2
 XP_004551879.1 dipeptidyl aminopeptidase-like protein 6-like isoform X3
 XP_006627891.1 dipeptidyl peptidase 1-like
 NP_001002683.1 dipeptidyl peptidase 3
 XP_001920834.4 dipeptidyl peptidase 4 isoform X1
 XP_005167998.1 dipeptidyl peptidase 4 isoform X2
 XP_006636680.1 dipeptidyl peptidase 4-like
 XP_005172542.1 dipeptidyl peptidase 9 isoform X1
 NP_001154809.1 dipeptidyl-peptidase 4
 XP_005163348.1 dipeptidyl-peptidase 6b isoform X3
 CBN80722.1 Diphosphoinositol polyphosphate phosphohydrolase 1
 XP_005930476.1 diphosphoinositol polyphosphate phosphohydrolase 3-beta-like isoform X2
 NP_001133968.1 Diphosphomevalonate decarboxylase
 XP_003442298.1 diphosphomevalonate decarboxylase-like
 XP_005157639.1 diphthamide biosynthesis protein 1 isoform X2
 XP_006641164.1 diphthamide biosynthesis protein 1-like
 NP_001082866.1 diphthamide biosynthesis protein 2
 XP_006634793.1 diphthamide biosynthesis protein 2-like
 NP_001007387.1 diphthine synthase
 XP_006643140.1 diphthine synthase-like
 XP_005798432.1 diphthine--ammonia ligase-like
 XP_005942708.1 diphthine--ammonia ligase-like isoform X1
 XP_005942709.1 diphthine--ammonia ligase-like isoform X2
 NP_956125.1 DIRAS family, GTP-binding RAS-like 1a
 XP_002708329.1 Di-Ras2-like
 NP_001103928.1 DIS3-like exonuclease 1
 XP_005484942.1 DIS3-like exonuclease 2
 NP_001035476.1 disabled 1 type B isoform 1
 NP_001035775.1 disabled homolog 1
 XP_005478982.1 disabled homolog 1-like isoform X12
 XP_001920879.3 disabled homolog 2 isoform X1
 XP_004175612.1 disabled homolog 2-interacting protein
 XP_001342238.4 disabled homolog 2-interacting protein isoform X1
 XP_005166962.1 disabled homolog 2-interacting protein isoform X2
 XP_006640708.1 disabled homolog 2-interacting protein-like
 XP_004480712.1 disabled homolog 2-interacting protein-like isoform 5

XP_005165804.1 disabled homolog 2-interacting protein-like isoform X2
 XP_005454587.1 disabled homolog 2-interacting protein-like isoform X4
 XP_004074712.1 disabled homolog 2-like
 ABL61271.1 disabled1 type B transcript variant 2
 XP_693702.4 discoidin domain-containing receptor 2
 XP_005166320.1 discoidin domain-containing receptor 2 isoform X1
 XP_005166322.1 discoidin domain-containing receptor 2 isoform X3
 XP_005165090.1 discoidin domain-containing receptor 2-like
 XP_005167762.1 discoidin, CUB and LCCL domain containing 2 isoform X1
 NP_001073640.1 discoidin, CUB and LCCL domain containing 2 precursor
 XP_006626388.1 discoidin, CUB and LCCL domain-containing protein 1-like
 XP_002663338.2 disco-interacting protein 2 homolog A isoform X1
 XP_005169177.1 disco-interacting protein 2 homolog A isoform X3
 XP_003207390.1 disco-interacting protein 2 homolog A-like
 XP_004555533.1 disco-interacting protein 2 homolog A-like isoform X4
 XP_005723376.1 disco-interacting protein 2 homolog A-like isoform X5
 XP_005815311.1 disco-interacting protein 2 homolog A-like, partial
 NP_998128.1 disco-interacting protein 2 homolog B-A
 XP_002662549.2 disco-interacting protein 2 homolog B-A-like
 XP_004826396.1 disco-interacting protein 2 homolog C
 XP_001919743.2 disco-interacting protein 2 homolog C isoform X1
 XP_007054181.1 disco-interacting protein 2 homolog C isoform X2
 XP_005162864.1 disco-interacting protein 2 homolog C isoform X3
 XP_006011822.1 disco-interacting protein 2 homolog C-like
 EPQ15321.1 Disco-interacting protein 2 like protein C
 NP_001012388.1 discs large homolog 1-like protein
 XP_005163737.1 discs, large (Drosophila) homolog 1, like isoform X14
 XP_005163738.1 discs, large (Drosophila) homolog 1, like isoform X15
 NP_001025307.1 disheveled-associated activator of morphogenesis 1
 XP_005158712.1 disheveled-associated activator of morphogenesis 1 isoform X3
 XP_006626401.1 disheveled-associated activator of morphogenesis 2-like isoform X1
 XP_005934026.1 disheveled-associated activator of morphogenesis 2-like isoform X2
 XP_005799180.1 disheveled-associated activator of morphogenesis 2-like isoform X3
 XP_005934028.1 disheveled-associated activator of morphogenesis 2-like isoform X4
 XP_005477560.1 disheveled-associated activator of morphogenesis 2-like isoform X6
 AAH98888.1 Dishevelled, dsh homolog 3 (Drosophila)
 NP_571832.1 dishevelled, dsh homolog 3a
 XP_006081009.1 dishevelled-binding antagonist of beta-catenin 3
 XP_005161777.1 disintegrin and metalloproteinase domain-containing protein 10 isoform X1
 XP_689465.6 disintegrin and metalloproteinase domain-containing protein 10 isoform X3
 XP_004555178.1 disintegrin and metalloproteinase domain-containing protein 10-like
 XP_005694401.1 disintegrin and metalloproteinase domain-containing protein 11
 XP_005156167.1 disintegrin and metalloproteinase domain-containing protein 11 isoform X1
 XP_691731.6 disintegrin and metalloproteinase domain-containing protein 12
 XP_006629525.1 disintegrin and metalloproteinase domain-containing protein 12-like
 XP_005432314.1 disintegrin and metalloproteinase domain-containing protein 17
 XP_004561191.1 disintegrin and metalloproteinase domain-containing protein 17-like
 XP_005723990.1 disintegrin and metalloproteinase domain-containing protein 17-like isoform X1
 XP_006786287.1 disintegrin and metalloproteinase domain-containing protein 17-like isoform X2
 XP_699915.6 disintegrin and metalloproteinase domain-containing protein 19
 XP_005172418.1 disintegrin and metalloproteinase domain-containing protein 19 isoform X1
 XP_002665027.3 disintegrin and metalloproteinase domain-containing protein 22
 XP_004541386.1 disintegrin and metalloproteinase domain-containing protein 22-like
 XP_005165908.1 disintegrin and metalloproteinase domain-containing protein 23 isoform X2
 XP_004081823.1 disintegrin and metalloproteinase domain-containing protein 23-like
 XP_006625626.1 disintegrin and metalloproteinase domain-containing protein 28-like
 XP_003199621.2 disintegrin and metalloproteinase domain-containing protein 8
 XP_006630387.1 disintegrin and metalloproteinase domain-containing protein 8-like
 NP_001107911.1 disintegrin and metalloproteinase domain-containing protein 9 precursor
 XP_006809748.1 disintegrin and metalloproteinase domain-containing protein 9-like
 XP_005991955.1 disintegrin and metalloproteinase domain-containing protein 9-like, partial
 XP_005165964.1 disks large homolog 1 isoform X10
 XP_005165966.1 disks large homolog 1 isoform X12
 XP_006084808.1 disks large homolog 1 isoform X14
 XP_005165970.1 disks large homolog 1 isoform X16
 XP_004078972.1 disks large homolog 1-like
 XP_005464251.1 disks large homolog 1-like isoform X19
 XP_006637478.1 disks large homolog 1-like isoform X5
 XP_005464238.1 disks large homolog 1-like isoform X6
 NP_001012378.1 disks large homolog 2
 XP_006507833.1 disks large homolog 2 isoform X4
 XP_005926916.1 disks large homolog 2-like
 XP_002663610.3 disks large homolog 2-like isoform X1
 XP_003199970.1 disks large homolog 3 isoform X1
 XP_005467526.1 disks large homolog 3 isoform X2
 XP_006633070.1 disks large homolog 3-like
 XP_004073170.1 disks large homolog 3-like isoform 1
 NP_999893.1 disks large homolog 4
 XP_003971314.1 disks large homolog 4-like

XP_006802320.1 disks large homolog 4-like isoform X1
 XP_005735501.1 disks large homolog 4-like isoform X2
 XP_005735504.1 disks large homolog 4-like isoform X5
 NP_001189384.1 disks large-associated protein 1
 XP_005163497.1 disks large-associated protein 1 isoform X2
 XP_005158597.1 disks large-associated protein 2 isoform X1
 XP_005731217.1 disks large-associated protein 2-like isoform X2
 XP_005739061.1 disks large-associated protein 2-like isoform X3
 XP_005935449.1 disks large-associated protein 2-like isoform X4
 XP_005935450.1 disks large-associated protein 2-like isoform X5
 XP_006792706.1 disks large-associated protein 2-like isoform X7
 NP_001038179.1 disks large-associated protein 3
 XP_003969080.1 disks large-associated protein 3-like
 XP_005168762.1 disks large-associated protein 4 isoform X1
 XP_005168763.1 disks large-associated protein 4 isoform X2
 XP_003963525.1 disks large-associated protein 4-like
 XP_004545223.1 disks large-associated protein 4-like isoform X5
 XP_001920333.3 disks large-associated protein 4-like, partial
 NP_001004592.1 disks large-associated protein 5
 AAI63557.1 Dispatched homolog 1 (Drosophila)
 ABD83915.1 disulfide isomerase-like
 NP_878304.1 dixin-A
 XP_005161321.1 dixin-A isoform X2
 XP_005161322.1 dixin-A isoform X3
 ABN54799.1 DJ-1
 AAH91857.1 Dkfpz564o0523 protein, partial
 Q6DI48.1 DLLA_DANRE RecName: Full=Delta-like protein A; Short=DeltaA; Flags: Precursor
 Q8UWJ4.2 DLLD_DANRE RecName: Full=Delta-like protein D; Short=DeltaD; AltName: Full=After eight protein; Flags: Precursor
 ABG89866.1 Dlx2b
 Q90229.1 DLX3_AMBME RecName: Full=Homeobox protein DLX-3
 Q01702.1 DLX3B_DANRE RecName: Full=Homeobox protein Dlx3b; Short=DLX-3; AltName: Full=Distal-less homeobox protein 3b
 ACR77513.1 Dmrt1c
 XP_006627006.1 dmX-like protein 1-like
 XP_005799802.1 dmX-like protein 2-like
 XP_006628712.1 dmX-like protein 2-like isoform X2
 AAI62467.1 DNA (cytosine-5-)-methyltransferase 3
 NP_001018144.1 DNA (cytosine-5-)-methyltransferase 3 alpha a
 XP_005160916.1 DNA (cytosine-5-)-methyltransferase 3 alpha a isoform X2
 XP_005167049.1 DNA (cytosine-5-)-methyltransferase 3 beta isoform X1
 XP_005284191.1 DNA (cytosine-5)-methyltransferase 3A isoform X1
 XP_006625969.1 DNA (cytosine-5)-methyltransferase 3A-like
 XP_005926030.1 DNA (cytosine-5)-methyltransferase 3A-like isoform X7
 NP_001020621.1 DNA (cytosine-5)-methyltransferase 3B
 XP_003962984.1 DNA (cytosine-5)-methyltransferase 3B-like
 AAI24099.1 DNA (cytosine-5-)-methyltransferase 4
 XP_002666261.3 DNA annealing helicase and endonuclease ZRANB3-like
 XP_005739919.1 DNA annealing helicase and endonuclease ZRANB3-like isoform X1
 NP_001018385.3 DNA cross-link repair 1A (PSO2 homolog, S. cerevisiae)
 ACN10724.1 DNA damage-binding protein 1
 XP_003969681.1 DNA damage-binding protein 1-like
 XP_005455765.1 DNA damage-binding protein 1-like isoform X2
 XP_003973540.1 DNA damage-inducible transcript 3 protein-like
 XP_006630338.1 DNA damage-inducible transcript 4 protein-like
 XP_006628582.1 DNA damage-regulated autophagy modulator protein 2-like
 YP_009010700.1 DNA double-strand break repair rad50 ATPase-like
 XP_005174246.1 DNA endonuclease RBBP8 isoform X1
 XP_006634011.1 DNA endonuclease RBBP8-like
 NP_001096608.1 DNA excision repair protein ERCC-1
 XP_688972.2 DNA excision repair protein ERCC-6 isoform X2
 NP_001093563.1 DNA excision repair protein ERCC-6-like
 NP_001005984.1 DNA excision repair protein ERCC-8
 XP_004547268.1 DNA excision repair protein ERCC-8-like
 NP_919385.1 DNA fragmentation factor subunit beta
 XP_002665161.2 DNA helicase MCM8-like isoform X1
 XP_005170253.1 DNA helicase MCM9 isoform X2
 XP_683173.2 DNA helicase MCM9 isoformX1
 NP_001119860.1 DNA ligase 1
 XP_005476810.1 DNA ligase 1-like
 XP_005171537.1 DNA ligase 1-like isoform X1
 XP_005916077.1 DNA ligase 3-like
 ACJ04671.1 DNA methyltransferase 1
 XP_005479237.1 DNA methyltransferase 1-associated protein 1 isoform X3
 XP_006634795.1 DNA methyltransferase 1-associated protein 1-like
 NP_001018315.1 DNA methyltransferase dnmt5
 XP_003963753.1 DNA mismatch repair protein Mlh1-like
 XP_006635764.1 DNA mismatch repair protein Mlh1-like isoform X1
 NP_998689.1 DNA mismatch repair protein Msh2

NP_001103184.1	DNA mismatch repair protein Msh3
XP_006626770.1	DNA mismatch repair protein Msh3-like
XP_005998993.1	DNA nucleotidylexotransferase-like
AAT68051.1	DNA polymerase alpha
CBN81881.1	DNA polymerase alpha catalytic subunit
XP_001922054.3	DNA polymerase alpha catalytic subunit isoform X1
XP_005162809.1	DNA polymerase alpha catalytic subunit isoform X2
XP_004081285.1	DNA polymerase alpha catalytic subunit-like
XP_003451080.1	DNA polymerase beta-like
NP_001034899.1	DNA polymerase delta catalytic subunit
XP_003725042.1	DNA polymerase delta catalytic subunit-like
NP_998468.1	DNA polymerase delta subunit 2
NP_001036234.1	DNA polymerase delta subunit 3
NP_001121995.1	DNA polymerase epsilon catalytic subunit A
XP_006640390.1	DNA polymerase epsilon catalytic subunit A-like
XP_006632293.1	DNA polymerase epsilon subunit 2-like
ACM08796.1	DNA polymerase epsilon subunit 4
XP_005809604.1	DNA polymerase eta-like
XP_005165136.1	DNA polymerase iota isoform X1
XP_005801082.1	DNA polymerase iota-like
XP_691219.4	DNA polymerase kappa isoform X3
EPB91852.1	DNA polymerase kappa subunit
XP_005168443.1	DNA polymerase lambda isoform X1
XP_006630873.1	DNA polymerase lambda-like
NP_956542.1	DNA polymerase mu
XP_005155534.1	DNA polymerase mu isoform X1
ELK06579.1	DNA polymerase nu
XP_005944646.1	DNA polymerase nu-like
XP_686065.5	DNA polymerase sigma
XP_006635936.1	DNA polymerase sigma-like
XP_004563709.1	DNA polymerase sigma-like isoform X1
NP_001133624.1	DNA polymerase subunit alpha B
NP_001136183.1	DNA polymerase subunit delta-2
XP_001921130.3	DNA polymerase subunit gamma-1
XP_006629075.1	DNA polymerase subunit gamma-1-like
XP_001922359.2	DNA polymerase subunit gamma-2, mitochondrial isoform X1
XP_694437.6	DNA polymerase theta
XP_002665692.3	DNA polymerase zeta catalytic subunit
XP_006626302.1	DNA polymerase zeta catalytic subunit-like
XP_005931119.1	DNA polymerase zeta catalytic subunit-like isoform X1
NP_999947.1	DNA primase large subunit
XP_005156870.1	DNA primase large subunit isoform X3
XP_688979.4	DNA repair and recombination protein RAD54B
XP_005810646.1	DNA repair and recombination protein RAD54B-like
NP_957438.1	DNA repair and recombination protein RAD54-like
NP_956079.1	DNA repair endonuclease XPF
XP_004080174.1	DNA repair endonuclease XPF-like
XP_005806571.1	DNA repair protein complementing XP-A cells homolog
XP_005466940.1	DNA repair protein complementing XP-G cells homolog isoform X2
XP_696859.4	DNA repair protein RAD50 isoform X3
ADF97633.1	DNA repair protein RAD51 4-like protein
XP_788683.2	DNA repair protein RAD51 homolog 1-like
NP_001006101.1	DNA repair protein RAD51 homolog 3
NP_001116772.1	DNA repair protein REV1
XP_005167640.1	DNA repair protein REV1 isoform X1
XP_002663552.1	DNA repair protein SWIS homolog
NP_001003988.1	DNA repair protein XRCC1
XP_006791793.1	DNA repair protein XRCC1-like
NP_001187675.1	DNA repair protein XRCC3
NP_957080.1	DNA repair protein XRCC4
XP_687974.5	DNA replication ATP-dependent helicase/nuclease DNA2
NP_001019610.1	DNA replication complex GINS protein PSF2
XP_003209930.1	DNA replication complex GINS protein PSF2-like
NP_001187562.1	DNA replication complex gins protein psf3
NP_001135012.1	DNA replication complex GINS protein SLD5
XP_006625777.1	DNA replication complex GINS protein SLD5-like
XP_002662989.2	DNA replication factor Cdt1 isoform X3
XP_695164.3	DNA replication factor Cdt1 isoformX2
XP_006641415.1	DNA replication factor Cdt1-like
XP_004388777.1	DNA replication licensing factor MCM3
XP_003440760.1	DNA replication licensing factor MCM3-like
NP_848523.2	DNA replication licensing factor MCM5
NP_001076318.1	DNA replication licensing factor MCM6
NP_997734.1	DNA replication licensing factor MCM7
XP_006881779.1	DNA topoisomerase 1
XP_002665372.2	DNA topoisomerase 1 isoform X1
XP_004070231.1	DNA topoisomerase 1-like
XP_005734805.1	DNA topoisomerase 1-like isoform X1
XP_005471201.1	DNA topoisomerase 1-like isoform X2

NP_001003834.1	DNA topoisomerase 2-alpha
NP_001038656.1	DNA topoisomerase 2-beta
XP_005159564.1	DNA topoisomerase 2-beta isoform X1
XP_005804541.1	DNA topoisomerase 2-beta-like isoform X1
XP_688695.4	DNA topoisomerase 3-alpha
XP_003198651.1	DNA topoisomerase 3-beta-1
NP_001001838.1	DNA topoisomerase I, mitochondrial precursor
NP_956440.1	DNA-(apurinic or apyrimidinic site) lyase 2
XP_686479.1	DNA-(apurinic or apyrimidinic site) lyase-like
EIN05882.1	DNA/RNA polymerase, partial
XP_007049888.1	DNA/RNA polymerases superfamily protein, partial
NP_001025257.2	DNA/RNA-binding protein KIN17
XP_006497428.1	DNA/RNA-binding protein KIN17 isoform X1
XP_005809114.1	DNA-3-methyladenine glycosylase-like
XP_005173543.1	DNA-binding death effector domain-containing protein 2 isoform X1
XP_005156675.1	DNA-binding protein Ikaros isoform X2
ADO28413.1	DNA-binding protein inhibitor id-1
NP_958448.1	DNA-binding protein inhibitor ID-2
XP_004082305.1	DNA-binding protein inhibitor ID-2-like
NP_001035079.1	DNA-binding protein inhibitor ID-4
XP_005989897.1	DNA-binding protein RFX2
XP_005451913.1	DNA-binding protein RFX2-like isoform X4
XP_005159531.1	DNA-binding protein RFX5-like isoform X1
XP_006626386.1	DNA-binding protein RFX6-like
XP_688865.4	DNA-binding protein RFX7-like
NP_001124113.1	DNA-binding protein RFXANK
XP_004078571.1	DNA-binding protein SATB1-like
XP_005158488.1	DNA-binding protein SATB1-like isoform X2
XP_005923786.1	DNA-binding protein SATB1-like isoform X3
XP_005167767.1	DNA-binding protein SATB2 isoform X2
NP_001038365.1	DNA-binding protein SMUBP-2
ADO28061.1	DNA-damage-inducible transcript 4-like protein
XP_001919588.3	DNA-dependent protein kinase catalytic subunit
XP_164199.1	DNA-dependent RNA polymerase II largest subunit
AAA92868.1	DNA-dependent RNA polymerase largest subunit
NP_001032455.1	DNA-directed primase/polymerase protein
XP_005292490.1	DNA-directed RNA polymerase I subunit RPA1
NP_001188185.1	DNA-directed RNA polymerase I subunit rpa12
NP_956812.2	DNA-directed RNA polymerase I subunit RPA2
XP_003441128.1	DNA-directed RNA polymerase I subunit RPA2 isoform 1
XP_006638719.1	DNA-directed RNA polymerase I subunit RPA2-like
NP_001007154.1	DNA-directed RNA polymerase I subunit RPA43
XP_001332164.1	DNA-directed RNA polymerase I subunit RPA43-like isoform X1
NP_001018540.1	DNA-directed RNA polymerase I subunit RPA49
XP_001343204.1	DNA-directed RNA polymerase II subunit GRINL1A-like
XP_006627498.1	DNA-directed RNA polymerase II subunit RPB1-like
XP_003966962.1	DNA-directed RNA polymerase II subunit RPB1-like, partial
NP_001167150.1	DNA-directed RNA polymerase II subunit RPB2
XP_004563690.1	DNA-directed RNA polymerase II subunit RPB2-like isoform X1
XP_004069860.1	DNA-directed RNA polymerase II subunit RPB3-like
NP_001187972.1	DNA-directed RNA polymerase II subunit rpb4
XP_005414824.1	DNA-directed RNA polymerase II subunit RPB7 isoform X2
EMP27076.1	DNA-directed RNA polymerase II subunit RPB9
XP_003441650.1	DNA-directed RNA polymerase II subunit RPB9-like
NP_001263425.1	DNA-directed RNA polymerase III subunit RPC1
ETE69582.1	DNA-directed RNA polymerase III subunit RPC1, partial
XP_006020948.1	DNA-directed RNA polymerase III subunit RPC10
XP_003961288.1	DNA-directed RNA polymerase III subunit RPC1-like
XP_005471423.1	DNA-directed RNA polymerase III subunit RPC1-like isoform X3
XP_690811.2	DNA-directed RNA polymerase III subunit RPC2 isoform 2
NP_956526.1	DNA-directed RNA polymerase III subunit RPC3
NP_997919.1	DNA-directed RNA polymerase III subunit RPC5
XP_005169485.1	DNA-directed RNA polymerase III subunit RPC5 isoform X1
XP_006791323.1	DNA-directed RNA polymerase III subunit RPC5-like
NP_001188039.1	DNA-directed RNA polymerase III subunit rpc6
NP_001005959.1	DNA-directed RNA polymerase III subunit RPC7-like
XP_004071834.1	DNA-directed RNA polymerase III subunit RPC8-like isoform 1
XP_005947079.1	DNA-directed RNA polymerase III subunit RPC8-like isoform X2
NP_001038838.1	DNA-directed RNA polymerase III subunit RPC9
NP_078633.1	DNA-directed RNA polymerase subunit 2
XP_006640104.1	DNA-directed RNA polymerase, mitochondrial-like
XP_005479056.1	DNA-directed RNA polymerase, mitochondrial-like isoform X1
NP_956860.1	DNA-directed RNA polymerases I and III subunit RPAC1
XP_005916628.1	DNA-directed RNA polymerases I and III subunit RPAC2-like isoform X2
XP_007075798.1	DNA-directed RNA polymerases I, II, and III subunit RPABC1
XP_005803390.1	DNA-directed RNA polymerases I, II, and III subunit RPABC2-like
XP_003256616.1	DNA-directed RNA polymerases I, II, and III subunit RPABC3 isoform 1
XP_005331091.1	DNA-directed RNA polymerases I, II, and III subunit RPABC3 isoform X1
NP_958499.1	DnaJ (Hsp40) homolog, subfamily A, member 3B

NP_956067.1	DnaJ (Hsp40) homolog, subfamily B, member 1
NP_001003571.1	DnaJ (Hsp40) homolog, subfamily B, member 1a
NP_001032663.2	DnaJ (Hsp40) homolog, subfamily B, member 5-like
NP_956599.1	DnaJ (Hsp40) homolog, subfamily B, member 6b
AAH49406.1	DnaJ (Hsp40) homolog, subfamily C, member 3
NP_571705.1	DnaJ (Hsp40) homolog, subfamily C, member 3b precursor
XP_005158621.1	DnaJ (Hsp40) homolog, subfamily C, member 5 gamma b isoform X1
AAAY79250.1	DnaJ domain-containing protein
NP_955956.1	dnaJ homolog subfamily A member 1
XP_006628981.1	dnaJ homolog subfamily A member 1-like
XP_005944055.1	dnaJ homolog subfamily A member 3, mitochondrial-like isoform X2
NP_997824.1	dnaJ homolog subfamily B member 12
XP_005801645.1	dnaJ homolog subfamily B member 12-like
NP_001017606.1	dnaJ homolog subfamily B member 13
XP_006629875.1	dnaJ homolog subfamily B member 14-like isoform X2
NP_001073462.1	dnaJ homolog subfamily B member 2
ACO09154.1	DnaJ homolog subfamily B member 4
XP_006129651.1	dnaJ homolog subfamily B member 4 isoform X1
NP_001088302.1	dnaJ homolog subfamily B member 6-B
XP_004174262.1	dnaJ homolog subfamily B member 6-like
XP_005163119.1	dnaJ homolog subfamily B member 9 isoform X1
NP_001071003.1	dnaJ homolog subfamily C member 1 precursor
NP_001077016.1	dnaJ homolog subfamily C member 10
XP_006641982.1	dnaJ homolog subfamily C member 11-like
XP_006794255.1	dnaJ homolog subfamily C member 11-like isoform X1
CBN82117.1	DnaJ homolog subfamily C member 13
XP_006634554.1	dnaJ homolog subfamily C member 13-like
XP_004081205.1	dnaJ homolog subfamily C member 13-like isoform 2
XP_004552000.1	dnaJ homolog subfamily C member 13-like isoform X4
XP_005924800.1	dnaJ homolog subfamily C member 14-like
XP_002663742.2	dnaJ homolog subfamily C member 16
XP_007175021.1	dnaJ homolog subfamily C member 16 isoform X1
XP_688223.4	dnaJ homolog subfamily C member 16 isoform X2
XP_006641964.1	dnaJ homolog subfamily C member 16-like
NP_001107060.1	dnaJ homolog subfamily C member 18
NP_956338.1	dnaJ homolog subfamily C member 21
XP_005174366.1	dnaJ homolog subfamily C member 24 isoform X1
NP_001191956.1	dnaJ homolog subfamily C member 25 precursor
XP_006626637.1	dnaJ homolog subfamily C member 25-like
XP_005158785.1	dnaJ homolog subfamily C member 27 isoform X1
XP_004576244.1	dnaJ homolog subfamily C member 2-like
XP_005801230.1	dnaJ homolog subfamily C member 2-like isoform X1
XP_005477140.1	dnaJ homolog subfamily C member 30-like
XP_004081825.1	dnaJ homolog subfamily C member 3-like
NP_997842.1	dnaJ homolog subfamily C member 4
XP_700383.1	dnaJ homolog subfamily C member 5
XP_004549078.1	dnaJ homolog subfamily C member 8-like
EMP31570.1	DnaJ like protein subfamily C member 13
NP_998658.1	DnaJ subfamily A member 2
NP_997830.1	DnaJ subfamily A member 2-like
AAH55125.1	Dnajc2 protein
ADO28070.1	DnaJ-like protein subfamily b member 5
NP_001187561.1	DnaJ-like protein subfamily c member 12
ADO27956.1	DnaJ-like protein subfamily c member 9
ETE69494.1	DnaJ-like subfamily B member 14
C1BW56.1	DNPH1_ESOLU RecName: Full=2'-deoxynucleoside 5'-phosphate N-hydrolase 1
AAI29483.1	Dnttip2 protein
NP_998253.1	docking protein 1
XP_001341514.5	docking protein 1 isoform X1
XP_005155412.1	docking protein 3-like
XP_697365.2	docking protein 4-like
XP_005340289.1	docking protein 6, partial
XP_005471843.1	docking protein 6-like isoform X3
NP_001003596.1	dolichol-phosphate mannosyltransferase
NP_001003784.2	dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glucosyltransferase precursor
XP_003974451.1	dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glucosyltransferase-like
XP_004571022.1	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit-like
ACN10979.1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 precursor
EMP29617.1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A
XP_003212703.1	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A-like
XP_004948007.1	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A-like isoform X2
XP_003207249.1	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B-like
XP_003458314.1	dolichyl-phosphate beta-glucosyltransferase-like
NP_001018532.1	dolichyl-P-Man:Man(5)GlcNAc(2)-PP-dolichyl mannosyltransferase
NP_001092219.1	dolichyl-P-Man:Man(7)GlcNAc(2)-PP-dolichyl-alpha-1,6-mannosyltransferase precursor
NP_001103164.1	dopamine beta-hydroxylase
XP_005938856.1	dopamine beta-hydroxylase-like isoform X2
ABQ81650.1	dopamine D1A receptor

NP_922918.1 dopamine receptor D2b
 NP_001012634.1 dopamine receptor D4a
 NP_001012636.1 dopamine receptor D4b
 XP_005156907.1 dorsal root ganglia homeobox protein isoform X1
 NP_571085.1 dorsal-ventral patterning tolloid-like protein 1 precursor
 XP_003449738.1 dorsal-ventral patterning tolloid-like protein 1-like
 XP_003198125.1 double C2-like domain-containing protein alpha-like
 XP_005947420.1 double C2-like domain-containing protein alpha-like isoform X2
 XP_006721424.1 double C2-like domain-containing protein beta isoform X1
 XP_003211857.1 double C2-like domain-containing protein beta-like
 XP_004551225.1 double C2-like domain-containing protein beta-like isoform X2
 XP_001345387.5 double C2-like domains, beta, partial
 XP_005166827.1 double C2-like domains, delta isoform X1
 NP_001038395.1 double zinc ribbon and ankyrin repeat-containing protein 1
 NP_001032778.1 doublecortin domain-containing protein 2
 XP_006635997.1 doublecortin domain-containing protein 2-like
 BAF45326.1 doublecortin like protein kinase_5
 AAU89440.1 doublesex and mab-3 related transcription factor 3
 NP_571027.1 doublesex- and mab-3-related transcription factor 2
 XP_006630066.1 doublesex- and mab-3-related transcription factor A1-like
 NP_001007065.2 doublesex- and mab-3-related transcription factor A2
 ABM54574.1 doublesex/Mab-3 related transcription factor 1a
 XP_003200317.1 double-strand-break repair protein rad21 homolog
 CAO98763.1 double-stranded RNA activated protein kinase
 NP_991124.1 double-stranded RNA-binding protein Staufen homolog 1
 NP_957219.2 double-stranded RNA-binding protein Staufen homolog 2
 XP_004175290.1 double-stranded RNA-binding protein Staufen homolog 2 isoform 4
 XP_005162693.1 double-stranded RNA-binding protein Staufen homolog 2 isoform X1
 XP_687110.6 double-stranded RNA-specific editase 1-like
 XP_006636693.1 double-stranded RNA-specific editase 1-like isoform X1
 XP_005450489.1 double-stranded RNA-specific editase 1-like isoform X2
 XP_005801296.1 double-stranded RNA-specific editase 1-like isoform X3
 XP_686426.5 double-stranded RNA-specific editase B2
 XP_003200058.2 Down syndrome cell adhesion molecule
 XP_005155527.1 Down syndrome cell adhesion molecule a isoform X1
 XP_005155528.1 Down syndrome cell adhesion molecule a isoform X2
 XP_001920060.2 Down syndrome cell adhesion molecule like 1 isoform X1
 XP_005157551.1 Down syndrome cell adhesion molecule like 1 isoform X2
 XP_005157552.1 Down syndrome cell adhesion molecule like 1 isoform X3
 NP_001187608.1 Down syndrome critical region protein 3
 XP_006785123.1 Down syndrome critical region protein 3 homolog
 ADO28313.1 down syndrome critical region protein 3-like protein
 ADO27784.1 dpcd
 AAH59685.1 Dpm3 protein
 AAH95721.1 Dpp7 protein
 XP_006630963.1 DPY30 domain-containing protein 1-like
 XP_005155870.1 draxin isoform X4
 XP_005811886.1 draxin-A-like
 AAH95826.1 Dre1 protein
 XP_005165493.1 drebrin isoform X1
 XP_005165494.1 drebrin isoform X2
 XP_006632157.1 drebrin-like
 XP_005167395.1 drebrin-like b isoform X2
 XP_005473246.1 drebrin-like protein B-like isoform X3
 XP_005922778.1 drebrin-like protein B-like isoform X5
 XP_004708130.1 drebrin-like protein isoform X2
 ELV11796.1 Drebrin-like protein, partial
 XP_004544472.1 drebrin-like protein-like
 A8E5C5.1 DS7CA_DANRE RecName: Full=Dehydrogenase/reductase SDR family member 7C-A; Flags: Precursor
 ACA13262.1 dsRed1/N-WASP/Cdc42/ECFP fusion protein
 AEN03185.1 dsRNA-dependent protein kinase
 AGI62870.1 dsRNA-dependent protein kinase, partial
 NP_956111.1 dTDP-D-glucose 4,6-dehydratase
 CAM73158.1 dtk
 Q5RH15.1 DTL_DANRE RecName: Full=Denticleless protein homolog
 XP_004074553.1 DTW domain-containing protein 2-like
 XP_005797683.1 D-tyrosyl-tRNA(Tyr) deacylase 1-like
 XP_004701771.1 dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A
 XP_005237110.1 dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A, partial
 XP_006636273.1 dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A-like
 NP_001017691.1 dual adapter for phosphotyrosine and 3-phosphotyrosine and 3-phosphoinositide
 BAF33370.1 Dual oxidase 1
 XP_005450918.1 dual oxidase 1-like isoform X2
 XP_005799859.1 dual serine/threonine and tyrosine protein kinase-like
 XP_005497317.1 dual serine/threonine and tyrosine protein kinase-like, partial
 NP_001187322.1 dual specificity mitogen-activated protein kinase kinase 2
 XP_007109356.1 dual specificity mitogen-activated protein kinase kinase 2 isoform X2
 XP_004760581.1 dual specificity mitogen-activated protein kinase kinase 4

XP_005531021.1 dual specificity mitogen-activated protein kinase kinase 4-like
 XP_003438702.1 dual specificity mitogen-activated protein kinase kinase 4-like isoform X1
 XP_003480251.1 dual specificity mitogen-activated protein kinase kinase 5 isoform 2
 XP_005168897.1 dual specificity mitogen-activated protein kinase kinase 5 isoform X1
 XP_004557991.1 dual specificity mitogen-activated protein kinase kinase 5-like isoform X2
 XP_005530782.1 dual specificity mitogen-activated protein kinase kinase 6
 XP_005934527.1 dual specificity mitogen-activated protein kinase kinase 7-like isoform X2
 XP_001344320.3 dual specificity phosphatase 28-like isoform X1
 NP_001037772.1 dual specificity phosphatase 3
 XP_004080444.1 dual specificity phosphatase DUPD1-like
 XP_005159494.1 dual specificity protein kinase CLK2 isoform X2
 XP_006641761.1 dual specificity protein kinase CLK2-like
 XP_005740750.1 dual specificity protein kinase CLK2-like isoform X3
 XP_005157891.1 dual specificity protein kinase Ttk isoform X2
 XP_003200822.1 dual specificity protein phosphatase 10
 XP_006630600.1 dual specificity protein phosphatase 10-like
 XP_006630394.1 dual specificity protein phosphatase 13 isoform B-like
 XP_003441868.1 dual specificity protein phosphatase 13 isoform MDSP-like
 XP_003441958.1 dual specificity protein phosphatase 13-like
 ADO28419.1 dual specificity protein phosphatase 14
 XP_686342.1 dual specificity protein phosphatase 16-like
 NP_001135353.1 Dual specificity protein phosphatase 18
 NP_001121737.1 dual specificity protein phosphatase 19
 XP_004541077.1 dual specificity protein phosphatase 1-like
 ADO27821.1 dual specificity protein phosphatase 22-a
 XP_005721465.1 dual specificity protein phosphatase 22-B-like isoform X1
 NP_001187589.1 dual specificity protein phosphatase 23
 XP_006626418.1 dual specificity protein phosphatase 23-like
 XP_006805940.1 dual specificity protein phosphatase 26-like
 XP_001340818.2 dual specificity protein phosphatase 3-like
 NP_957465.1 dual specificity protein phosphatase 4
 NP_997730.1 dual specificity protein phosphatase 5
 NP_919361.1 dual specificity protein phosphatase 6
 NP_956068.2 dual specificity protein phosphatase 7
 XP_005987104.1 dual specificity protein phosphatase 7-like
 NP_957174.1 dual specificity protein phosphatase 8
 XP_002665347.3 dual specificity protein phosphatase 8-like
 ACN10772.1 Dual specificity protein phosphatase CDC14A
 XP_005161774.1 dual specificity protein phosphatase CDC14A isoform X3
 XP_004569423.1 dual specificity protein phosphatase CDC14A-like
 XP_687879.2 dual specificity testis-specific protein kinase 1
 NP_001103946.1 dual specificity testis-specific protein kinase 2
 XP_005163460.1 dual specificity testis-specific protein kinase 2 isoform X1
 NP_001074158.1 dual specificity tyrosine-phosphorylation-regulated kinase 1A
 XP_005157594.1 dual specificity tyrosine-phosphorylation-regulated kinase 1A isoform X2
 XP_003968554.1 dual specificity tyrosine-phosphorylation-regulated kinase 1A-like
 EMP27696.1 Dual specificity tyrosine-phosphorylation-regulated kinase 1B
 XP_005158271.1 dual specificity tyrosine-phosphorylation-regulated kinase 1B isoform X1
 XP_005158272.1 dual specificity tyrosine-phosphorylation-regulated kinase 1B isoform X2
 XP_005158274.1 dual specificity tyrosine-phosphorylation-regulated kinase 1B isoform X4
 XP_005164697.1 dual specificity tyrosine-phosphorylation-regulated kinase 2 isoform X1
 BAN05304.1 dual specificity tyrosine-phosphorylation-regulated kinase 3
 XP_005174421.1 dual specificity tyrosine-phosphorylation-regulated kinase 4 isoform X1
 XP_005174422.1 dual specificity tyrosine-phosphorylation-regulated kinase 4 isoform X2
 XP_005174423.1 dual specificity tyrosine-phosphorylation-regulated kinase 4 isoform X3
 XP_004070234.1 dual specificity tyrosine-phosphorylation-regulated kinase 4-like
 AAH44555.1 Dusp7 protein
 Q4VSN3.1 DUSTY_TETNG RecName: Full=Dual serine/threonine and tyrosine protein kinase; AltName:
 Full=Dusty protein kinase; Short=Dusty PK; AltName: Full=Receptor-interacting serine/threonine-
 protein kinase 5
 AAH85547.1 Dvr1 protein
 XP_701125.6 dymeclin-like
 XP_004549691.1 dymeclin-like isoform X1
 NP_001070680.1 dynactin 1a
 XP_005239616.1 dynactin subunit 1
 XP_005166226.1 dynactin subunit 2 isoform X1
 XP_003973539.1 dynactin subunit 2-like isoform 3
 NP_001002220.1 dynactin subunit 3
 NP_001017782.1 dynactin subunit 4
 XP_003445906.2 dynactin subunit 4 isoform 1
 ADO28172.1 dynactin subunit 5
 XP_005656831.1 dynactin subunit 5-like
 NP_001187796.1 dynactin subunit 6
 NP_001232894.1 dynamin 1a
 XP_005168138.1 dynamin 1a isoform X6
 EPQ17174.1 Dynamin-1
 XP_006119081.1 dynamin-1 isoform X2
 XP_005165643.1 dynamin-1 isoform X5
 XP_006640759.1 dynamin-1-like isoform X2

NP_001167034.1	dynamin-1-like protein
NP_001025299.1	dynamin-2
XP_005164298.1	dynamin-2 isoform X1
XP_006631562.1	dynamin-2-like isoform X3
XP_006211186.1	dynamin-3 isoform X1
XP_005935694.1	dynamin-3-like
XP_002660517.3	dynamin-binding protein
XP_001921555.3	dynamin-binding protein isoform X1
XP_005156403.1	dynamin-binding protein isoform X3
XP_005166038.1	dynamin-like 120 kDa protein, mitochondrial isoform X2
XP_005166040.1	dynamin-like 120 kDa protein, mitochondrial isoform X4
XP_006637707.1	dynamin-like 120 kDa protein, mitochondrial-like
AAH22540.1	DYNC111 protein
XP_003201392.1	dynein assembly factor 3, axonemal-like
CBN81050.1	Dynein heavy chain 1, axonemal
XP_004817998.1	dynein heavy chain 1, axonemal isoform X2
XP_698507.4	dynein heavy chain 10, axonemal
XP_006640448.1	dynein heavy chain 10, axonemal-like
XP_001919828.3	dynein heavy chain 11, axonemal
XP_006003596.1	dynein heavy chain 11, axonemal-like
XP_001920125.2	dynein heavy chain 11, axonemal-like, partial
XP_005162173.1	dynein heavy chain 12, axonemal
XP_006631045.1	dynein heavy chain 12, axonemal-like
XP_001919747.4	dynein heavy chain 2, axonemal-like
XP_002666774.2	dynein heavy chain 3, axonemal
EOB02062.1	Dynein heavy chain 3, axonemal, partial
XP_006637397.1	dynein heavy chain 3, axonemal-like
XP_007065108.1	dynein heavy chain 5, axonemal
XP_003200184.2	dynein heavy chain 5, axonemal-like
XP_001921252.4	dynein heavy chain 6, axonemal
XP_006630086.1	dynein heavy chain 6, axonemal-like
XP_690143.4	dynein heavy chain 7, axonemal
XP_006636505.1	dynein heavy chain 7, axonemal-like
XP_002937048.2	dynein heavy chain 9, axonemal
XP_005447974.1	dynein heavy chain 9, axonemal isoform X1
XP_005173011.1	dynein heavy chain 9, axonemal isoform X2
XP_006022105.1	dynein heavy chain 9, axonemal-like
XP_005923812.1	dynein heavy chain 9, axonemal-like isoform X2
XP_006638453.1	dynein heavy chain domain-containing protein 1-like
XP_005626785.1	dynein intermediate chain 1, axonemal isoform X8
XP_005731344.1	dynein intermediate chain 1, axonemal-like
NP_001030050.2	dynein intermediate chain 2, axonemal
XP_006626748.1	dynein intermediate chain 2, ciliary-like
XP_005156459.1	dynein intermediate chain 3, ciliary-like
NP_001187306.1	dynein light chain 1 axonemal
XP_005166799.1	dynein light chain 1, cytoplasmic isoform X1
XP_004747381.1	dynein light chain 2, cytoplasmic isoform X1
XP_003938120.1	dynein light chain roadblock-type 2
NP_001188191.1	dynein light chain tctex-type 3
NP_001120940.1	dynein regulatory complex protein 1
XP_004332415.1	dynein, axonemal, heavy chain 17, partial
EHA98929.1	Dysbindin domain-containing protein 1
XP_001333503.2	dysbindin domain-containing protein 1-like isoform X1
XP_005158164.1	dysbindin-A isoform X11
XP_006270680.1	dysbindin-like isoform X1
XP_005917572.1	dysbindin-like isoform X2
NP_001244122.1	dysferlin
XP_005172348.1	dysferlin isoform X1
XP_005172349.1	dysferlin isoform X2
XP_005172350.1	dysferlin isoform X3
XP_005809478.1	dysferlin-like
AAI00011.1	Dyskeratosis congenita 1, dyskerin
XP_006628776.1	dyslexia susceptibility 1 candidate gene 1 protein homolog
XP_006805646.1	dyslexia-associated protein KIAA0319 homolog, partial
XP_001334630.5	dyslexia-associated protein KIAA0319-like isoform X1
XP_005158358.1	dyslexia-associated protein KIAA0319-like isoform X2
XP_003969264.1	dyslexia-associated protein KIAA0319-like protein-like
XP_002664120.3	dystonin
XP_006000391.1	dystonin isoform X1
XP_006638925.1	dystonin-like
XP_005807647.1	dystrobrein alpha-like
NP_001074042.1	dystrobrein beta
XP_005477318.1	dystrobrein beta isoform X3
XP_006767572.1	dystrobrein beta isoform X5
NP_775381.1	dystroglycan precursor
XP_005801731.1	dystroglycan-like
XP_006805237.1	dystrophia myotonica WD repeat-containing protein-like
AAO24757.1	dystrophin
XP_005914675.1	dystrophin-like

XP_006633095.1	dystrophin-related protein 2-like
NP_001074056.1	dystrotelin
AAI63603.1	Dzip1 protein
ACA48503.1	E1A binding protein p300, partial
XP_005233451.1	E1A-binding protein p400
XP_005167319.1	E1A-binding protein p400 isoform X2
XP_005167321.1	E1A-binding protein p400 isoform X4
XP_005167322.1	E1A-binding protein p400 isoform X5
XP_005473139.1	E1A-binding protein p400-like
XP_001105690.2	e1A-binding protein p400-like isoform 2
ETN78119.1	e1-like protein-activating enzyme Gsa7p/Apg7p
AAA36764.1	E2A/PRL fusion protein, partial
NP_001187227.1	E2A-1 transcription factor
NP_001187135.1	E2A2 transcription factor
XP_005163513.1	E2F transcription factor 5 isoform X1
NP_001187707.1	E2F-associated phosphoprotein
XP_004065687.1	E3 SUMO-protein ligase CBX4-like
NP_001187443.1	e3 sumo-protein ligase nse2
XP_692921.3	E3 SUMO-protein ligase PIAS1
XP_688159.2	E3 SUMO-protein ligase PIAS1 isoformX1
XP_004557997.1	E3 SUMO-protein ligase PIAS1-like isoform X1
XP_005815022.1	E3 SUMO-protein ligase PIAS1-like, partial
XP_005452040.1	E3 SUMO-protein ligase RanBP2 isoform X3
XP_005452041.1	E3 SUMO-protein ligase RanBP2 isoform X4
XP_006638087.1	E3 SUMO-protein ligase RanBP2-like
XP_004555650.1	E3 SUMO-protein ligase RanBP2-like isoform X3
NP_001233283.1	E3 ubiquitin ligase MARCH3
NP_956469.1	E3 ubiquitin/ISG15 ligase TRIM25
XP_001340417.5	E3 ubiquitin/ISG15 ligase TRIM25 isoform X1
XP_005172140.1	E3 ubiquitin/ISG15 ligase TRIM25 isoform X2
XP_005172141.1	E3 ubiquitin/ISG15 ligase TRIM25 isoform X3
XP_006643281.1	E3 ubiquitin/ISG15 ligase TRIM25-like
XP_693785.6	E3 ubiquitin/ISG15 ligase TRIM25-like, partial
ERE74179.1	E3 ubiquitin-protein ligase
ADO28040.1	e3 ubiquitin-protein ligase 8-mar
XP_006641466.1	E3 ubiquitin-protein ligase AMFR-like
NP_956052.1	E3 ubiquitin-protein ligase arih1
XP_004067371.1	E3 ubiquitin-protein ligase Arkadia-like
NP_001243104.1	E3 ubiquitin-protein ligase BRE1A
XP_005157636.1	E3 ubiquitin-protein ligase CBL isoform X1
ELW67911.1	E3 ubiquitin-protein ligase CBL-B
XP_006628118.1	E3 ubiquitin-protein ligase CBL-B-like
XP_004460254.1	E3 ubiquitin-protein ligase CBL-B-like isoform 3
XP_006642233.1	E3 ubiquitin-protein ligase CBL-like
XP_691290.3	E3 ubiquitin-protein ligase CCNB1IP1-like
XP_005165131.1	E3 ubiquitin-protein ligase CHFR isoform X4
XP_002663728.2	E3 ubiquitin-protein ligase DTX3L isoform X1
XP_006626853.1	E3 ubiquitin-protein ligase DTX3L-like
XP_004065705.1	E3 ubiquitin-protein ligase DTX4-like
XP_001506045.2	E3 ubiquitin-protein ligase HACE1
XP_701235.5	E3 ubiquitin-protein ligase HACE1-like
XP_004575303.1	E3 ubiquitin-protein ligase Hakai-like
NP_001002504.2	E3 ubiquitin-protein ligase HECTD1
XP_005728612.1	E3 ubiquitin-protein ligase HECTD1-like
XP_006632226.1	E3 ubiquitin-protein ligase HECTD1-like isoform X1
NP_001139236.1	E3 ubiquitin-protein ligase HECW1
XP_005168481.1	E3 ubiquitin-protein ligase HECW1 isoform X1
XP_002666624.3	E3 ubiquitin-protein ligase HECW1-like
XP_005941320.1	E3 ubiquitin-protein ligase HECW1-like isoform X8
XP_003225104.1	E3 ubiquitin-protein ligase HECW2 isoform X1
XP_005160355.1	E3 ubiquitin-protein ligase HECW2 isoform X2
XP_001922440.2	E3 ubiquitin-protein ligase HECW2-like
XP_004559151.1	E3 ubiquitin-protein ligase HECW2-like isoform X5
XP_005996116.1	E3 ubiquitin-protein ligase HERC2
XP_686789.6	E3 ubiquitin-protein ligase HERC2, partial
XP_003198854.2	E3 ubiquitin-protein ligase HERC2-like
XP_004914249.1	E3 ubiquitin-protein ligase HUWE1
XP_005162335.1	E3 ubiquitin-protein ligase HUWE1 isoform X3
XP_005162337.1	E3 ubiquitin-protein ligase HUWE1 isoform X5
XP_006625514.1	E3 ubiquitin-protein ligase HUWE1-like
CBN80791.1	E3 ubiquitin-protein ligase Itchy homolog
BAO04456.1	E3 ubiquitin-protein ligase Itchy-a
NP_957246.1	E3 ubiquitin-protein ligase KCMF1
XP_001340400.3	E3 ubiquitin-protein ligase listerin
XP_006628262.1	E3 ubiquitin-protein ligase listerin-like
XP_005160562.1	E3 ubiquitin-protein ligase LNX isoform X1
XP_005160564.1	E3 ubiquitin-protein ligase LNX isoform X3
NP_001093474.1	E3 ubiquitin-protein ligase LRSAM1
XP_006782190.1	E3 ubiquitin-protein ligase LRSAM1-like isoform X1

NP_001038255.2	E3 ubiquitin-protein ligase MARCH2
XP_005160001.1	E3 ubiquitin-protein ligase MARCH4 isoform X1
NP_001038876.1	E3 ubiquitin-protein ligase MARCH4 precursor
XP_005269980.1	E3 ubiquitin-protein ligase MARCH5 isoform X1
XP_005933663.1	E3 ubiquitin-protein ligase MARCH5-like isoform X1
XP_005065314.1	E3 ubiquitin-protein ligase MARCH6
XP_003408179.1	E3 ubiquitin-protein ligase MARCH6-like
XP_005168431.1	E3 ubiquitin-protein ligase MARCH8-like isoform X2
XP_001339845.1	E3 ubiquitin-protein ligase MARCH9
ELW67031.1	E3 ubiquitin-protein ligase Mdm2
XP_006633639.1	E3 ubiquitin-protein ligase Mdm2-like
XP_006521900.1	E3 ubiquitin-protein ligase MGRN1 isoform X7
NP_775393.2	E3 ubiquitin-protein ligase mib1
XP_006634012.1	E3 ubiquitin-protein ligase MIB1-like
XP_005476514.1	E3 ubiquitin-protein ligase mib1-like isoform X5
NP_001073146.1	E3 ubiquitin-protein ligase MIB2
XP_005730827.1	E3 ubiquitin-protein ligase MIB2-like
XP_004571034.1	E3 ubiquitin-protein ligase MIB2-like isoform X3
XP_006528795.1	E3 ubiquitin-protein ligase Midline-1 isoform X4
NP_956277.1	E3 ubiquitin-protein ligase MYLIP-A
XP_006635970.1	E3 ubiquitin-protein ligase MYLIP-A-like
XP_005996230.1	E3 ubiquitin-protein ligase NEDD4 isoform X2
XP_005929668.1	E3 ubiquitin-protein ligase NEDD4-like
XP_006780140.1	E3 ubiquitin-protein ligase NEDD4-like isoform X1
XP_005303921.1	E3 ubiquitin-protein ligase NEDD4-like isoform X6
XP_003452673.1	E3 ubiquitin-protein ligase NEURL3-like
XP_005472482.1	E3 ubiquitin-protein ligase NHLRC1-like
NP_998681.1	E3 ubiquitin-protein ligase NRDP1
XP_003438948.1	E3 ubiquitin-protein ligase NRDP1-like isoform X1
NP_001017635.1	E3 ubiquitin-protein ligase parkin
XP_006630665.1	E3 ubiquitin-protein ligase PDZRN3-like
XP_004465159.1	E3 ubiquitin-protein ligase pellino homolog 1
XP_002665865.3	E3 ubiquitin-protein ligase pellino homolog 2-like, partial
XP_002662845.2	E3 ubiquitin-protein ligase pellino homolog 3-like
XP_003441329.1	E3 ubiquitin-protein ligase RAD18-like
XP_006637325.1	E3 ubiquitin-protein ligase RBBP6-like
XP_005422000.1	E3 ubiquitin-protein ligase RBX1
XP_004069481.1	E3 ubiquitin-protein ligase RFWD3-like
XP_005157451.1	E3 ubiquitin-protein ligase rififylin isoform X1
XP_005583505.1	E3 ubiquitin-protein ligase rififylin isoform X14
XP_006634684.1	E3 ubiquitin-protein ligase RING2-like
XP_005465019.1	E3 ubiquitin-protein ligase RING2-like isoform X2
XP_005936177.1	E3 ubiquitin-protein ligase RNF115-like isoform X1
XP_002190854.2	E3 ubiquitin-protein ligase RNF123
XP_005462633.1	E3 ubiquitin-protein ligase RNF123 isoform X3
XP_005222852.1	E3 ubiquitin-protein ligase RNF123 isoform X5
XP_005161900.1	E3 ubiquitin-protein ligase RNF123-like
XP_003439721.1	E3 ubiquitin-protein ligase RNF126-like
NP_001133644.1	E3 ubiquitin-protein ligase RNF128 precursor
XP_006632900.1	E3 ubiquitin-protein ligase RNF128-like
XP_686027.4	E3 ubiquitin-protein ligase RNF12-A-like isoform 1
XP_003199987.2	E3 ubiquitin-protein ligase RNF130-like
XP_006764124.1	E3 ubiquitin-protein ligase RNF135
XP_005166255.1	E3 ubiquitin-protein ligase RNF135-like isoform X1
XP_005166256.1	E3 ubiquitin-protein ligase RNF135-like isoform X2
XP_006643276.1	E3 ubiquitin-protein ligase RNF138-like
XP_005173584.1	E3 ubiquitin-protein ligase RNF144B isoform X1
XP_005500963.1	E3 ubiquitin-protein ligase RNF152
XP_006903350.1	E3 ubiquitin-protein ligase RNF167 isoform X1
NP_001158881.1	E3 ubiquitin-protein ligase RNF167 precursor
XP_005472110.1	E3 ubiquitin-protein ligase RNF167-like
NP_956149.1	E3 ubiquitin-protein ligase RNF168
XP_001336012.2	E3 ubiquitin-protein ligase RNF169-like
XP_006626705.1	E3 ubiquitin-protein ligase RNF170-like
XP_006626974.1	E3 ubiquitin-protein ligase RNF180-like
XP_001922643.1	E3 ubiquitin-protein ligase RNF182-like isoform 1
XP_003965920.1	E3 ubiquitin-protein ligase RNF19A-like
XP_686250.4	E3 ubiquitin-protein ligase RNF19A-like isoform X2
NP_001189369.1	E3 ubiquitin-protein ligase RNF19B
XP_005160538.1	E3 ubiquitin-protein ligase RNF19B isoform X1
XP_001921030.4	E3 ubiquitin-protein ligase RNF213
XP_006265244.1	E3 ubiquitin-protein ligase RNF213-like
XP_004559460.1	E3 ubiquitin-protein ligase RNF213-like isoform X1
XP_005913901.1	E3 ubiquitin-protein ligase RNF213-like isoform X2
XP_005313860.1	E3 ubiquitin-protein ligase RNF213-like, partial
XP_687871.3	E3 ubiquitin-protein ligase RNF216
XP_006637308.1	E3 ubiquitin-protein ligase RNF216-like
XP_686354.5	E3 ubiquitin-protein ligase RNF220
XP_006634731.1	E3 ubiquitin-protein ligase RNF220-like

XP_006802804.1	E3 ubiquitin-protein ligase RNF220-like isoform X1
NP_957477.1	E3 ubiquitin-protein ligase RNF25
XP_004573002.1	E3 ubiquitin-protein ligase RNF31-like
XP_003197916.2	E3 ubiquitin-protein ligase RNF31-like, partial
XP_004544252.1	E3 ubiquitin-protein ligase RNF34-like isoform X2
XP_683428.1	E3 ubiquitin-protein ligase RNF4 isoform 1
XP_006641053.1	E3 ubiquitin-protein ligase RNF43-like
XP_005928498.1	E3 ubiquitin-protein ligase RNF43-like isoform X1
XP_005748729.1	E3 ubiquitin-protein ligase RNF5-like
XP_003968007.1	E3 ubiquitin-protein ligase RNF6-like
NP_9911116.1	E3 ubiquitin-protein ligase RNF8 isoform 1
NP_001038952.2	E3 ubiquitin-protein ligase SH3RF1 isoform 1
XP_003200358.1	E3 ubiquitin-protein ligase SHPRH
XP_005159200.1	E3 ubiquitin-protein ligase Siah1 isoform X1
XP_005170318.1	E3 ubiquitin-protein ligase Siah2 isoform X1
XP_006632926.1	E3 ubiquitin-protein ligase Siah2-like
NP_001001943.1	E3 ubiquitin-protein ligase SMURF1
XP_005164172.1	E3 ubiquitin-protein ligase SMURF1 isoform X1
XP_006637305.1	E3 ubiquitin-protein ligase SMURF1-like
NP_001107898.1	E3 ubiquitin-protein ligase SMURF2
XP_005171641.1	E3 ubiquitin-protein ligase SMURF2 isoform X1
XP_006635535.1	E3 ubiquitin-protein ligase SMURF2-like
XP_003964382.1	E3 ubiquitin-protein ligase SMURF2-like isoform 3
XP_003201680.1	E3 ubiquitin-protein ligase Topors
XP_004373452.1	E3 ubiquitin-protein ligase TRAF7
XP_005810214.1	E3 ubiquitin-protein ligase TRIM11-like
XP_691507.2	E3 ubiquitin-protein ligase TRIM21
XP_005953325.1	E3 ubiquitin-protein ligase TRIM21-like
XP_002662297.1	E3 ubiquitin-protein ligase TRIM21-like isoform X1
XP_005459740.1	E3 ubiquitin-protein ligase TRIM23-like
XP_005174738.1	E3 ubiquitin-protein ligase TRIM32 isoform X1
XP_005166785.1	E3 ubiquitin-protein ligase TRIM33 isoform X1
XP_005158134.1	E3 ubiquitin-protein ligase TRIM33 isoform X2
XP_005158135.1	E3 ubiquitin-protein ligase TRIM33 isoform X3
XP_006628374.1	E3 ubiquitin-protein ligase TRIM33-like
XP_005916427.1	E3 ubiquitin-protein ligase TRIM36-like
XP_004547309.1	E3 ubiquitin-protein ligase TRIM36-like isoform X1
XP_005722076.1	E3 ubiquitin-protein ligase TRIM36-like isoform X3
XP_003199407.2	E3 ubiquitin-protein ligase TRIM37
XP_004076873.1	E3 ubiquitin-protein ligase TRIM37-like
XP_005173810.1	E3 ubiquitin-protein ligase TRIM39
XP_001337843.1	E3 ubiquitin-protein ligase TRIM39-like
NP_956578.1	E3 ubiquitin-protein ligase TRIM41
XP_005466654.1	E3 ubiquitin-protein ligase TRIM69-like, partial
XP_690252.5	E3 ubiquitin-protein ligase TRIM71
XP_002665695.1	E3 ubiquitin-protein ligase TRIM9-like
XP_004550689.1	E3 ubiquitin-protein ligase TRIM9-like isoform X1
XP_004540105.1	E3 ubiquitin-protein ligase TRIM9-like isoform X3
XP_005159287.1	E3 ubiquitin-protein ligase TRIP12 isoform X6
XP_006637888.1	E3 ubiquitin-protein ligase TRIP12-like
XP_005172633.1	E3 ubiquitin-protein ligase TTC3 isoform X2
XP_006628109.1	E3 ubiquitin-protein ligase TTC3-like
XP_002665264.3	E3 ubiquitin-protein ligase UBR1
XP_005156554.1	E3 ubiquitin-protein ligase UBR2 isoform X2
XP_005156555.1	E3 ubiquitin-protein ligase UBR2 isoform X3
XP_001919629.4	E3 ubiquitin-protein ligase UBR3
XP_693147.3	E3 ubiquitin-protein ligase UBR4 isoform X11
XP_005162255.1	E3 ubiquitin-protein ligase UBR4 isoform X9
XP_005899441.1	E3 ubiquitin-protein ligase UBR5
XP_005158497.1	E3 ubiquitin-protein ligase UBR5 isoform X4
XP_005158498.1	E3 ubiquitin-protein ligase UBR5 isoform X5
XP_003201004.1	E3 ubiquitin-protein ligase UHRF1
XP_005499826.1	E3 ubiquitin-protein ligase UHRF2
XP_004074950.1	E3 ubiquitin-protein ligase UHRF2-like
XP_004538115.1	E3 ubiquitin-protein ligase UHRF2-like isoform X2
XP_006012310.1	E3 ubiquitin-protein ligase ZFP91-like
XP_006641242.1	E3 ubiquitin-protein ligase znr1-like
XP_005551366.1	E3 ubiquitin-protein ligase ZNRF2, partial
XP_684807.6	E3 ubiquitin-protein ligase ZNRF3
XP_005743105.1	E3 ubiquitin-protein ligase ZNRF3-like isoform X1
XP_006636730.1	E3 ubiquitin-protein ligase ZSWIM2-like
ETE62372.1	E3 ubiquitin-protein ligase, partial
NP_956900.1	E3 UFM1-protein ligase 1
ADN65980.1	E4 binding protein 4-6
XP_005169667.1	E74-like factor 2a (ets domain transcription factor) isoform X1
XP_003200485.1	early endosome antigen 1
XP_005912098.1	early endosome antigen 1-like isoform X3
XP_005158926.1	early growth response 2a isoform X1
NP_001002647.1	early growth response protein 3

XP_006625362.1 early growth response protein 3-like
 NP_001187247.1 E-box binding protein 1
 NP_001187118.1 E-box binding protein 2
 NP_956185.1 ecdysoneless
 ECHD1_DANRE RecName: Full=Ethylmalonyl-CoA decarboxylase; AltName: Full=Enoyl-CoA
 hydratase domain-containing protein 1; AltName: Full=Methylmalonyl-CoA decarboxylase;
 Short=MMCD
 FIR6N4.2
 XP_005158861.1 echinoderm microtubule associated protein like 1 isoform X5
 XP_003198974.2 echinoderm microtubule associated protein like 3 isoform X1
 XP_001919110.4 echinoderm microtubule associated protein like 6
 XP_005945488.1 echinoderm microtubule-associated protein-like 3-like
 XP_007112246.1 echinoderm microtubule-associated protein-like 4 isoform X1
 XP_006638860.1 echinoderm microtubule-associated protein-like 4-like
 XP_004077074.1 echinoderm microtubule-associated protein-like 4-like isoform 2
 XP_006000803.1 echinoderm microtubule-associated protein-like 4-like isoform X3
 XP_006033730.1 echinoderm microtubule-associated protein-like 5
 XP_005797755.1 echinoderm microtubule-associated protein-like 5-like
 XP_004574100.1 echinoderm microtubule-associated protein-like 6-like
 XP_005498787.1 ecotropic viral integration site 5 protein homolog isoform X1
 ECSIT_DANRE RecName: Full=Evolutionarily conserved signaling intermediate in Toll pathway,
 mitochondrial; Flags: Precursor
 Q08CK1.1
 XP_003198089.2 ecto-ADP-ribosyltransferase 5-like
 XP_687500.2 ectoderm-neural cortex protein 1
 NP_001167052.1 ecto-NOX disulfide-thiol exchanger 1
 XP_005409125.1 ecto-NOX disulfide-thiol exchanger 1 isoform X11
 XP_005168019.1 ecto-NOX disulfide-thiol exchanger 1 isoform X2
 XP_005173205.1 ecto-NOX disulfide-thiol exchanger 2 isoform X1
 XP_694692.4 ecto-NOX disulfide-thiol exchanger 2 isoform X4
 XP_005156383.1 ectonucleoside triphosphate diphosphohydrolase 1 isoform X1
 NP_001135107.1 Ectonucleoside triphosphate diphosphohydrolase 2
 XP_005917735.1 ectonucleoside triphosphate diphosphohydrolase 5-like isoform X1
 NP_001002379.2 ectonucleoside triphosphate diphosphohydrolase-like
 NP_956897.1 ectonucleotide pyrophosphatase/phosphodiesterase 2 precursor
 NP_001025339.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 1
 XP_005173530.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2 isoform X1
 ACN60231.1 Ectonucleotide pyrophosphatase/phosphodiesterase family member 2 precursor
 XP_005472423.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2-like
 XP_004571364.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2-like isoform X1
 XP_005946403.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 2-like isoform X2
 XP_006636135.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 3-like
 XP_005160520.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 5 isoform X1
 NP_001013545.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 6 precursor
 XP_006090539.1 ectonucleotide pyrophosphatase/phosphodiesterase family member 7-like
 NP_001038659.2 ectonucleotide pyrophosphatase/phosphodiesterase family member 7-like precursor
 XP_006626846.1 ectopic P granules protein 5 homolog
 XP_005165418.1 ectopic P granules protein 5 homolog isoform X1
 AAI65707.1 Edem1 protein
 EF1G_DANRE RecName: Full=Elongation factor 1-gamma; Short=EF-1-gamma; AltName: Full=eEF-
 1B gamma
 Q6PE25.1
 XP_002663835.3 EF-hand and coiled-coil domain-containing protein 1
 XP_001333751.2 EF-hand and coiled-coil domain-containing protein 1-like
 NP_001187766.1 ef-hand calcium-binding domain-containing protein 1
 NP_001017812.1 EF-hand calcium-binding domain-containing protein 11
 XP_006632335.1 EF-hand calcium-binding domain-containing protein 11-like
 XP_005912704.1 EF-hand calcium-binding domain-containing protein 14-like
 NP_001187690.1 ef-hand calcium-binding domain-containing protein 2
 XP_003440384.2 EF-hand calcium-binding domain-containing protein 4A-like
 XP_002667614.2 EF-hand calcium-binding domain-containing protein 4B-like, partial
 XP_005163086.1 EF-hand calcium-binding domain-containing protein 6 isoform X2
 XP_006633160.1 EF-hand calcium-binding domain-containing protein 6-like
 XP_005165368.1 EF-hand domain-containing family member A1 isoform X1
 XP_003976641.1 EF-hand domain-containing family member A1-like
 XP_004539229.1 EF-hand domain-containing family member A2-like isoform X4
 NP_001188418.1 EF-hand domain-containing family member B
 XP_005158487.1 EF-hand domain-containing family member B isoform X1
 XP_004568582.1 EF-hand domain-containing family member B-like
 XP_005167780.1 EF-hand domain-containing family member C2 isoform X1
 CBN80623.1 EF-hand domain-containing protein
 XP_006642998.1 EF-hand domain-containing protein 1-like
 XP_003762505.1 EF-hand domain-containing protein C3orf25 homolog
 NP_001038676.1 EF-hand domain-containing protein D2
 XP_005157848.1 EF-hand domain-containing protein D2 isoform X2
 AAH95605.1 Efnb3 protein
 EFTS_SALSA RecName: Full=Elongation factor Ts, mitochondrial; Short=EF-Ts; Short=EF-TsMt;
 Flags: Precursor
 B5X5B4.1
 NP_001153830.1 EGF containing fibulin-like extracellular matrix protein 2b precursor
 XP_005155877.1 EGF domain-specific O-linked N-acetylglucosamine transferase-like isoform X1
 XP_005155879.1 EGF domain-specific O-linked N-acetylglucosamine transferase-like isoform X3
 AAI62671.1 Egf protein

NP_001167044.1 EGF, latrophilin and seven transmembrane domain containing 1 precursor
 XP_005923435.1 EGF, latrophilin and seven transmembrane domain-containing protein 1-like
 XP_001509946.1 EGF-containing fibulin-like extracellular matrix protein 1
 XP_005456604.1 EGF-containing fibulin-like extracellular matrix protein 1-like
 NP_001008587.1 EGF-containing fibulin-like extracellular matrix protein 2a precursor
 XP_003198218.2 EGF-like module-containing mucin-like hormone receptor-like 1-like
 XP_005454865.1 EGF-like module-containing mucin-like hormone receptor-like 1-like isoform X3
 XP_003197795.2 EGF-like module-containing mucin-like hormone receptor-like 3-like
 XP_006626576.1 EGF-like repeat and discoidin I-like domain-containing protein 3-like, partial
 XP_005473289.1 EGF-like repeats and discoidin I-like domains 3 isoform X3
 AAI50711.1 EGF-like, fibronectin type III and laminin G domains
 BAM65010.1 egg envelope protein
 ADA60165.1 egl nine 1 protein
 NP_001268259.1 egl nine 1-like protein
 XP_006105834.1 egl nine homolog 1
 XP_005804177.1 egl nine homolog 1-like
 XP_003450885.1 egl nine homolog 2-like
 ETE71356.1 Egl nine-like 3, mitochondrial, partial
 XP_006937583.1 EH domain binding protein 1-like 1, partial
 XP_005172259.1 EH domain binding protein 1-like 1a
 XP_005019155.1 EH domain-binding protein 1 isoform X1
 XP_005158590.1 EH domain-binding protein 1 isoform X4
 XP_005158591.1 EH domain-binding protein 1 isoform X5
 XP_004876559.1 EH domain-binding protein 1-like
 XP_005922499.1 EH domain-binding protein 1-like isoform X2
 XP_005753041.1 EH domain-binding protein 1-like protein 1-like isoform X4
 XP_005452675.1 EH domain-binding protein 1-like protein 1-like isoform X6
 NP_001004578.1 EH domain-containing protein 1
 NP_956357.1 EH domain-containing protein 2
 XP_695436.1 EH domain-containing protein 2-like
 NP_001038469.1 EH domain-containing protein 3
 XP_006626152.1 EH domain-containing protein 3-like
 NP_001133244.1 EH domain-containing protein 4
 AAI71681.1 Ehmt1a protein
 AAH45079.1 Eif3e-a protein

 Q6DRC4.1 EIF3G_DANRE RecName: Full=Eukaryotic translation initiation factor 3 subunit G; Short=eIF3g;
 AltName: Full=Eukaryotic translation initiation factor 3 RNA-binding subunit; Short=eIF-3 RNA-
 binding subunit; AltName: Full=Eukaryotic translation initiation factor 3 subunit 4

 BAD83640.1 eIF4G-related protein NAT1B
 XP_004068868.1 elastase-1-like
 NP_001003426.1 elastase-like precursor
 CBN82078.1 Elastin microfibril interface-located protein 2, partial
 XP_005171323.1 ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R) isoform X1
 AGS58221.1 ELAV-like 1 protein, partial
 XP_006639835.1 ELAV-like protein 1-like
 XP_004949604.1 ELAV-like protein 2 isoform X13
 XP_006629958.1 ELAV-like protein 2-like isoform X4
 XP_005164277.1 ELAV-like protein 3 isoform X3
 EMP33542.1 ELAV-like protein 4
 XP_005166840.1 ELAV-like protein 4 isoform X1
 XP_005479068.1 ELAV-like protein 4-like isoform X1
 NP_001030156.1 electrogenic sodium bicarbonate cotransporter 1
 XP_005044547.1 electrogenic sodium bicarbonate cotransporter 1 isoform X1
 XP_005921992.1 electrogenic sodium bicarbonate cotransporter 1-like isoform X1
 XP_001921823.3 electrogenic sodium bicarbonate cotransporter 4
 XP_003965488.1 electrogenic sodium bicarbonate cotransporter 4-like
 XP_005449527.1 electrogenic sodium bicarbonate cotransporter 4-like isoform X1
 XP_005472990.1 electrogenic sodium bicarbonate cotransporter 4-like isoform X3
 NP_998163.1 electron transfer flavoprotein subunit beta
 XP_003965680.1 electron transfer flavoprotein subunit beta-like
 XP_006791784.1 electron transfer flavoprotein subunit beta-like isoform X2
 NP_001004598.1 electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial
 XP_006629536.1 electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial-like
 XP_685666.5 electroneutral sodium bicarbonate exchanger 1
 AAH97084.1 Elk4 protein
 NP_001015065.1 ELKS/Rab6-interacting/CAST family member 1
 XP_005163112.1 ELKS/Rab6-interacting/CAST family member 1 isoform X1
 XP_005163113.1 ELKS/Rab6-interacting/CAST family member 1 isoform X2
 XP_005164613.1 ELKS/Rab6-interacting/CAST family member 1-like
 XP_006633737.1 ELKS/Rab6-interacting/CAST family member 1-like isoform X2
 XP_005746014.1 ELKS/Rab6-interacting/CAST family member 1-like isoform X3
 XP_006633740.1 ELKS/Rab6-interacting/CAST family member 1-like isoform X5
 AAI16572.1 Eln2 protein
 XP_005940149.1 ELL-associated factor 2-like
 CBN81153.1 Ellis-van Creveld syndrome protein
 NP_001038658.1 ELM2 and Myb/SANT-like domain containing 1a
 XP_006632665.1 ELM2 and SANT domain-containing protein 1-like
 XP_005158915.1 ELM2 and SANT domain-containing protein 1-like isoform X1

XP_006785279.1	ELMO domain-containing protein 1-like, partial
XP_003972503.1	ELMO domain-containing protein 2-like
XP_003199180.2	ELMO domain-containing protein 3-like
XP_005160204.1	ELMO/CED-12 domain containing 2 isoform X1
BAO56800.1	elongation factor 1-alpha
EMP28454.1	Elongation factor 1-alpha 1
XP_004539364.1	elongation factor 1-alpha 1-like
XP_007104009.1	elongation factor 1-alpha 2
XP_697966.5	elongation factor 2
XP_006786725.1	elongation factor 2-like
NP_001073463.1	elongation factor G, mitochondrial
XP_004543688.1	elongation factor G, mitochondrial-like
ADI50266.1	elongation factor RNA polymerase II
EAW99088.1	elongation factor Tu GTP binding domain containing 1, isoform CRA_b
XP_697184.5	elongation factor Tu GTP-binding domain-containing protein 1
XP_006192691.1	elongation factor Tu GTP-binding domain-containing protein 1 isoform X1
XP_005447872.1	elongation factor Tu GTP-binding domain-containing protein 1 isoform X2
XP_005447874.1	elongation factor Tu GTP-binding domain-containing protein 1 isoform X4
XP_005814680.1	elongation factor Tu GTP-binding domain-containing protein 1-like
NP_001013523.1	elongation factor Tu, mitochondrial
XP_004071565.1	elongation factor Tu, mitochondrial-like
XP_005163650.1	elongation factor-1, delta, a isoform X1
NP_001005989.1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1a
ADO28145.1	elongation of very long chain fatty acids protein 4
EHA99339.1	Elongation of very long chain fatty acids protein 6
XP_003443447.1	elongation of very long chain fatty acids protein 6-like
ADO28044.1	elongation of very long chain fatty acids protein 7
NP_957090.1	elongation of very long chain fatty acids-like 4
XP_689534.5	elongator complex protein 1
XP_003443478.1	elongator complex protein 1 isoform X1
NP_001038390.1	elongator complex protein 2
XP_005159715.1	elongator complex protein 2 isoform X1
XP_006635894.1	elongator complex protein 2-like
XP_005443598.1	elongator complex protein 3
XP_005917219.1	elongator complex protein 3-like isoform X1
NP_001017638.1	elongator complex protein 4
XP_004539499.1	elongator complex protein 4-like
AAH95785.1	Elov12 protein
AAI52204.1	Elov14 protein
AAR12991.1	embryogenesis regulator
XP_004546123.1	embryonic polyadenylate-binding protein-like isoform X1
XP_005448812.1	embryonic polyadenylate-binding protein-like isoform X3
XP_005162174.1	emerin isoform X2
XP_005165282.1	EMI domain-containing protein 1 isoform X2
XP_005473413.1	EMI domain-containing protein 1-like isoform X5
XP_003971415.1	EMILIN-1-like
XP_005447816.1	EMILIN-1-like isoform X1
XP_004539896.1	EMILIN-1-like isoform X2
XP_001341669.4	EMILIN-2
XP_005798665.1	EMILIN-2-like
XP_699102.3	EMILIN-3
XP_005161982.1	EMILIN-3-like
ABD85552.1	EMO2-like
AAI65920.1	Emx3 protein
XP_006793199.1	ena/VASP-like protein-like
NP_001013539.2	enabled homolog
NP_955813.2	Enah/Vasp-like a
XP_005158850.1	Enah/Vasp-like a isoform X2
XP_006629117.1	endonuclease 8-like 1-like
XP_005467317.1	endonuclease 8-like 3-like isoform X2
XP_005170932.1	endonuclease domain-containing 1 protein
XP_005170933.1	endonuclease domain-containing 1 protein-like
XP_006012974.1	endonuclease domain-containing 1 protein-like, partial
CDJ80644.1	Endonuclease exonuclease phosphatase and RNA-directed DNA polymerase (reverse transcriptase) domain containing protein
CDJ91832.1	Endonuclease exonuclease phosphatase domain containing protein
NP_001019385.1	endonuclease G, mitochondrial
XP_003211299.1	endonuclease G, mitochondrial-like, partial
XP_006790789.1	endonuclease III-like protein 1-like isoform X1
NP_001007336.1	endonuclease VIII-like 3
XP_005157375.1	endonuclease VIII-like 3 isoform X1
XP_004561032.1	endonuclease/exonuclease/phosphatase family domain-containing protein 1-like
ABR01162.1	endonuclease/reverse transcriptase
ADI61814.1	endonuclease-reverse transcriptase
EHJ71507.1	endonuclease-reverse transcriptase HmRTE-e01
AEA51117.1	endonuclease-reverse transcriptase HmRTE-e01, partial
XP_004086788.1	endophilin-A1-like
XP_005457027.1	endophilin-A1-like isoform X1
ADO27819.1	endophilin-a2

XP_004067714.1 endophilin-A2-like
 NP_001075160.1 endophilin-A3
 XP_001161355.1 endophilin-A3 isoform 4
 XP_006229544.1 endophilin-A3 isoform X3
 XP_005447883.1 endophilin-A3-like isoform X3
 ADO27938.1 endophilin-b1
 XP_005171865.1 endophilin-B2 isoform X4
 XP_006626737.1 endoplasmic reticulum aminopeptidase 1-like
 NP_001116524.1 endoplasmic reticulum aminopeptidase 2 precursor
 XP_006626844.1 endoplasmic reticulum aminopeptidase 2-like
 NP_955464.1 endoplasmic reticulum lectin 1 precursor
 XP_006638835.1 endoplasmic reticulum lectin 1-like
 NP_001093449.1 endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase
 XP_691064.3 endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase isoform X3
 XP_003965609.1 endoplasmic reticulum metalloproteinase 1-like
 XP_002665878.3 endoplasmic reticulum metalloproteinase 1-like, partial
 NP_957186.1 endoplasmic reticulum resident protein 44
 XP_005158105.1 endoplasmic reticulum resident protein 44 isoform X1
 XP_006884489.1 endoplasmic reticulum-Golgi intermediate compartment protein 1
 XP_004073560.1 endoplasmic reticulum-Golgi intermediate compartment protein 1-like
 NP_956701.1 endoplasmic reticulum-Golgi intermediate compartment protein 2
 NP_001158869.1 Endoplasmic reticulum-Golgi intermediate compartment protein 3
 NP_957309.1 endoplasmic reticulum-Golgi intermediate compartment protein 3 isoform 2
 NP_937853.1 endoplasmin precursor
 NP_001154925.1 endoribonuclease Dicer
 XP_006632316.1 endoribonuclease Dicer-like
 XP_005161418.1 endosialin
 XP_691391.5 endothelial cell-selective adhesion molecule-like
 NP_001070209.1 endothelial cell-specific molecule 1 precursor
 XP_002934486.2 endothelial lipase
 AFP36415.1 endothelial lipase 1
 NP_956422.1 endothelial lipase precursor
 XP_006007553.1 endothelial PAS domain-containing protein 1
 XP_004553592.1 endothelial PAS domain-containing protein 1-like
 XP_006625356.1 endothelial transcription factor GATA-2-like
 XP_005596631.1 endothelial zinc finger protein induced by tumor necrosis factor alpha
 NP_001038650.1 endothelin 2 precursor
 XP_006633024.1 endothelin B receptor-like
 ABY86759.1 endothelin C receptor
 AAI62564.1 Endothelin receptor type A
 XP_006629609.1 endothelin-1 receptor-like
 XP_696381.2 endothelin-2-like
 NP_001071260.1 endothelin-converting enzyme 1
 XP_005514569.1 endothelin-converting enzyme 1 isoform X1
 XP_005802241.1 endothelin-converting enzyme 1-like
 XP_005469692.1 endothelin-converting enzyme 1-like isoform X2
 XP_005157445.1 endothelin-converting enzyme 2 isoform X2
 XP_006637925.1 endothelin-converting enzyme-like 1-like
 XP_006801242.1 endothelin-converting enzyme-like 1-like isoform X1
 NP_001133480.1 engulfment and cell motility protein 1
 XP_003444089.2 engulfment and cell motility protein 1 isoform 1
 XP_005159710.1 engulfment and cell motility protein 1 isoform X3
 XP_003968877.1 engulfment and cell motility protein 1-like isoform 2
 XP_005728348.1 engulfment and cell motility protein 1-like isoform X1
 XP_005739528.1 engulfment and cell motility protein 2-like isoform X4
 XP_003201479.2 engulfment and cell motility protein 3 isoform X1
 XP_004569194.1 engulfment and cell motility protein 3-like
 XP_003447096.1 engulfment and cell motility protein 3-like isoform X1
 AER42633.1 enhancer factor 2a variant 3, partial
 NP_001070750.1 enhancer of filamentation 1
 XP_005452827.1 enhancer of filamentation 1-like isoform X1
 NP_001018136.1 enhancer of mRNA-decapping protein 3
 XP_005163110.1 enhancer of mRNA-decapping protein 3 isoform X1
 NP_001038550.1 enhancer of mRNA-decapping protein 4
 NP_001082878.1 enhancer of polycomb homolog 1
 XP_005171446.1 enhancer of polycomb homolog 1 isoform X1
 XP_695062.2 enhancer of polycomb homolog 1 isoform X2
 XP_006634148.1 enhancer of polycomb homolog 1-like isoform X2
 NP_957369.1 enhancer of polycomb homolog 2
 NP_001035072.2 enhancer of zeste 1
 ADO28096.1 enkurin
 AAH92869.2 Enolase 3, (beta, muscle)
 ABF60006.1 enolase A
 NP_001070210.2 enolase superfamily 1
 NP_001071015.1 enolase-like protein ENO4
 XP_006630653.1 enolase-like protein ENO4-like
 NP_001002226.1 enolase-phosphatase E1
 XP_005169542.1 enolase-phosphatase E1-like
 NP_001085036.1 enoyl-CoA delta isomerase 1

XP_005468617.1 enoyl-CoA delta isomerase 1, mitochondrial-like isoform X2
 XP_004083275.1 enoyl-CoA hydratase domain-containing protein 3, mitochondrial-like
 XP_001922506.2 ensconsin
 XP_005174199.1 ensconsin isoform X7
 XP_005467494.1 ensconsin-like
 XP_004540193.1 ensconsin-like isoform X1
 XP_001919639.2 enteropeptidase
 XP_006278281.1 enteropeptidase, partial
 ABB52640.1 envelope polyprotein
 NP_001112369.1 envoplakin
 XP_001922073.4 envoplakin, partial
 XP_006635532.1 envoplakin-like
 XP_002431501.1 enzymatic polyprotein, putative
 XP_002431503.1 enzymatic polyprotein; Endonuclease; Reverse transcriptase, putative
 AGF85173.1 enzyme E2
 XP_004939474.1 eomesodermin homolog isoform X5
 XP_003969322.1 eomesodermin-like
 XP_685579.4 ependymin
 XP_002662640.1 ependymin isoform 1
 NP_001187950.1 ependymin-1 precursor
 XP_004080127.1 ependymin-2-like
 NP_705944.1 eph receptor A4b precursor
 NP_571492.1 eph receptor B4b precursor
 OI3147.1 EPHB3_DANRE RecName: Full=Ephrin type-B receptor 3; AltName: Full=EPH-like kinase 3; AltName: Full=Tyrosine-protein kinase receptor ZEK3
 XP_006637836.1 ephexin-1-like
 XP_005157844.1 ephexin-1-like isoform X1
 XP_697546.3 ephexin-1-like isoform X3
 AA162500.1 Eph-like kinase 1
 AA163275.1 Eph-like receptor tyrosine kinase 8
 CAA06303.1 Eph-like receptor tyrosine kinase rtk4
 CAA06301.1 Eph-like receptor tyrosine kinase rtk7
 NP_956891.1 ephrin A1a precursor
 NP_957077.2 ephrin A1b precursor
 XP_005162266.1 ephrin type-A receptor 2-like
 XP_001336188.3 ephrin type-A receptor 3, partial
 XP_006637746.1 ephrin type-A receptor 3-like
 XP_004542514.1 ephrin type-A receptor 3-like isoform X2
 XP_687698.2 ephrin type-A receptor 4
 XP_005171372.1 ephrin type-A receptor 4a isoform X1
 XP_005171374.1 ephrin type-A receptor 4a isoform X3
 XP_005171375.1 ephrin type-A receptor 4a isoform X4
 XP_004562874.1 ephrin type-A receptor 4-A-like
 XP_001338064.4 ephrin type-A receptor 5-like isoform X1
 XP_001344560.5 ephrin type-A receptor 6 isoform X1
 XP_005159987.1 ephrin type-A receptor 6 isoform X2
 XP_005747908.1 ephrin type-A receptor 6-like isoform X2
 NP_001038444.2 ephrin type-A receptor 7 precursor
 XP_003971433.1 ephrin type-A receptor 7-like
 XP_006794408.1 ephrin type-A receptor 7-like isoform X1
 XP_004548988.1 ephrin type-A receptor 7-like isoform X2
 XP_005452317.1 ephrin type-A receptor 8 isoform X4
 XP_699275.5 ephrin type-A receptor 8, partial
 XP_005172985.1 ephrin type-A receptor 8-like isoform X2
 XP_002660945.3 ephrin type-B receptor 1
 EO01501.1 Ephrin type-B receptor 1, partial
 XP_002935121.2 ephrin type-B receptor 1-A
 XP_005796034.1 ephrin type-B receptor 1-like
 CBN80698.1 Ephrin type-B receptor 2
 XP_004069383.1 ephrin type-B receptor 2-like
 XP_005729740.1 ephrin type-B receptor 2-like isoform X1
 XP_003974341.1 ephrin type-B receptor 3-like
 XP_005174117.1 ephrin type-B receptor 3-like isoform X1
 AGS58219.1 ephrin type-b receptor 4-like protein, partial
 XP_005173575.1 ephrin type-B receptor 5-like
 NP_571097.1 ephrin-A2 precursor
 XP_002663773.1 ephrin-A2-like
 XP_001340912.2 ephrin-A3
 XP_001343018.4 ephrin-A4-like
 NP_990515.1 ephrin-A5 precursor
 XP_005161292.1 ephrin-A5b isoform X2
 NP_571101.1 ephrin-A5b precursor
 XP_004072351.1 ephrin-A5b-like
 XP_003446197.1 ephrin-A5b-like isoform X1
 NP_571880.1 ephrin-B1
 XP_005374286.1 ephrin-B2
 XP_006018666.1 ephrin-B2 isoform X2
 AGS58218.1 ephrin-B2a-like protein, partial
 XP_005172690.1 ephrin-B3-like isoform X1

XP_692670.2	ephrin-B3-like isoform X2
AAI63725.1	Epidermal growth factor receptor
XP_005168551.1	epidermal growth factor receptor kinase substrate 8 isoform X1
XP_005168553.1	epidermal growth factor receptor kinase substrate 8 isoform X3
XP_006633714.1	epidermal growth factor receptor kinase substrate 8-like
XP_006781132.1	epidermal growth factor receptor kinase substrate 8-like isoform X3
XP_004564965.1	epidermal growth factor receptor kinase substrate 8-like isoform X5
XP_002666818.2	epidermal growth factor receptor kinase substrate 8-like protein 2-like
XP_004553071.1	epidermal growth factor receptor kinase substrate 8-like protein 2-like isoform X2
XP_002666161.1	epidermal growth factor receptor kinase substrate 8-like protein 3-like
XP_004948995.1	epidermal growth factor receptor pathway substrate 15-like 1 isoform X8
XP_696575.4	epidermal growth factor receptor pathway substrate 15-like 1a
NP_919405.1	epidermal growth factor receptor precursor
XP_005166981.1	epidermal growth factor receptor substrate 15 isoform X3
XP_003761054.1	epidermal growth factor receptor substrate 15-like 1
XP_003973850.1	epidermal growth factor receptor substrate 15-like 1-like
XP_004079471.1	epidermal growth factor receptor-like
XP_005723636.1	epidermal growth factor-like protein 6-like isoform X2
XP_005460092.1	epidermal growth factor-like protein 6-like isoform X3
XP_004557905.1	epidermal growth factor-like protein 6-like isoform X4
NP_001035475.1	epidermal growth factor-like protein 7 precursor
NP_001121758.1	epidermal Langerhans cell protein-like
NP_999936.1	epidermal retinol dehydrogenase 2
XP_003975540.1	epidermal retinol dehydrogenase 2-like
XP_001334034.2	epidermis-type lipoxygenase 3-like
XP_005457086.1	epidermis-type lipoxygenase 3-like, partial
XP_006632426.1	epididymal secretory protein E1-like
XP_001337519.3	epididymis-specific alpha-mannosidase
XP_001344391.1	epigen-like
NP_001187350.1	epimerase family protein sdr39u1
BAN51779.1	epiphycan
XP_005164800.1	epiphycan isoform X1
ACN10577.1	Epithelial cadherin precursor
ABV30910.1	epithelial calcium channel
ADB25057.1	epithelial cell adhesion molecule
XP_002665258.3	epithelial cell transforming sequence 2 oncogene-like
XP_001345829.4	epithelial discoidin domain-containing receptor 1 isoform X1
XP_005158034.1	epithelial discoidin domain-containing receptor 1 isoform X2
XP_005158035.1	epithelial discoidin domain-containing receptor 1 isoform X3
XP_005160083.1	epithelial membrane protein 1 isoform X1
XP_005160088.1	epithelial membrane protein 1 isoform X6
NP_001187378.1	epithelial membrane protein 2
ACQ58435.1	Epithelial membrane protein 3
NP_001020679.1	epithelial membrane protein 3 precursor
NP_001074045.1	epithelial splicing regulatory protein 1
XP_005169044.1	epithelial splicing regulatory protein 2 isoform X2
XP_005230759.1	epithelial-stromal interaction protein 1
XP_005168018.1	epithelial-stromal interaction protein 1-like
XP_004564482.1	EPM2A-interacting protein 1-like
XP_005173080.1	epoxide hydrolase 1 isoform X1
XP_003453042.1	epoxide hydrolase 1-like
NP_001008642.1	epoxide hydrolase 2
XP_005167077.1	EPS8-like 3 isoform X2
XP_005163869.1	eps8-like1 isoform X1
XP_005159771.1	epsilon-sarcoglycan isoform X1
XP_005157942.1	epsin 1 isoform X1
XP_686465.3	epsin-2 isoform 1
XP_700135.5	epsin-3-like
XP_005164437.1	epsin-3-like isoform X2
NP_001025348.1	equilibrative nucleoside transporter 1
XP_002667331.3	equilibrative nucleoside transporter 1-like isoform X1
NP_001012519.2	equilibrative nucleoside transporter 2
XP_005463213.1	equilibrative nucleoside transporter 2-like
XP_005156582.1	equilibrative nucleoside transporter 3-like
XP_003761608.1	equilibrative nucleoside transporter 4
XP_005164192.1	equilibrative nucleoside transporter 4 isoform X3
XP_005166083.1	ER degradation enhancer, mannosidase alpha-like 1 isoform X1
XP_005174174.1	ER degradation enhancer, mannosidase alpha-like 2 isoform X1
XP_005166989.1	ER degradation enhancer, mannosidase alpha-like 3 isoform X1
EPY80495.1	ER degradation enhancer, mannosidase alpha-like protein, partial
XP_003200881.1	ER degradation-enhancing alpha-mannosidase-like protein 3-like isoform X1
XP_005162246.1	ER membrane protein complex subunit 1 isoform X1
XP_693770.3	ER membrane protein complex subunit 1 isoform X2
NP_001095859.2	ER membrane protein complex subunit 10 isoform 1 precursor
XP_003965076.1	ER membrane protein complex subunit 10-like
XP_004071218.1	ER membrane protein complex subunit 10-like isoform 2
XP_006642101.1	ER membrane protein complex subunit 1-like
NP_998709.1	ER membrane protein complex subunit 2
XP_003453517.2	ER membrane protein complex subunit 2-like

XP_004068529.1	ER membrane protein complex subunit 3-like
NP_956350.2	ER membrane protein complex subunit 6
NP_001077039.1	ERBB receptor feedback inhibitor 1
XP_694955.2	ERBB receptor feedback inhibitor 1-like
XP_005165759.1	erbB-3a isoform X2
XP_006071791.1	ERC protein 2
XP_003973338.1	ERC protein 2-like
ERE87466.1	ERC protein 2-like isoform 1
XP_001922876.1	ERC protein 2-like isoform X1
XP_006184905.1	ERC protein 2-like, partial
XP_002932007.1	ERI1 exoribonuclease 2 isoform X1
XP_006637036.1	ERI1 exoribonuclease 2-like
BAB11812.1	ERK1
XP_003441158.2	erlin-1-like isoform X1
XP_005171842.1	erlin-2 isoform X1
NP_001121887.1	erlin-2 precursor
XP_004072804.1	erlin-2-like
NP_956644.1	ERO1-like protein alpha precursor
XP_004573354.1	ERO1-like protein alpha-like
XP_005031387.1	ERV-FRD provirus ancestral Env polyprotein-like
XP_005276087.1	ERV-FRD provirus ancestral Env polyprotein-like isoform X1
XP_005166815.1	ERV-FRD provirus ancestral Env polyprotein-like isoform X2
XP_006010180.1	ERV-W1 provirus ancestral Env polyprotein-like
XP_005807945.1	erythroblast NAD(P)(+)-arginine ADP-ribosyltransferase-like
XP_005161273.1	erythrocyte band 7 integral membrane protein isoform X2
XP_004084186.1	erythrocyte band 7 integral membrane protein-like
XP_005450476.1	erythrocyte membrane protein band 4.1 like 5 isoform X1
NP_778259.1	erythrocyte membrane protein band 4.1b (elliptocytosis 1, RH-linked)
XP_002665683.3	erythrocyte membrane protein band 4.1-like 2
NP_999977.1	erythrocyte membrane protein band 4.1-like 3b
CAA48803.1	erythroid ankyrin
XP_004414956.1	erythroid membrane-associated protein-like
ABB83930.1	erythropoietin
AGN92860.1	erythropoietin receptor
XP_005802876.1	erythropoietin receptor-like
NP_001017662.1	ES1 protein homolog, mitochondrial
ACO10157.1	ES1 protein homolog, mitochondrial precursor
QSSPR8.1	ESCO2_DANRE RecName: Full=N-acetyltransferase ESCO2; AltName: Full=Establishment of cohesion 1 homolog 2; Short=ECO1 homolog 2
XP_005478725.1	E-selectin-like
NP_956039.2	ESF1 homolog
XP_006030096.1	ESF1 homolog isoform X1
XP_004538692.1	ESF1 homolog isoform X2
ACO08974.1	Esophageal cancer related gene 4 protein precursor
ACQ58788.1	Esophageal cancer-related gene 4 protein precursor
NP_001116754.1	espin
XP_005800152.1	espin-like
XP_003197899.2	espin-like protein
XP_003198849.2	espin-like protein-like
Q7ZVR8.2	ESRP2_DANRE RecName: Full=Epithelial splicing regulatory protein 2; AltName: Full=RNA-binding motif protein 35B; AltName: Full=RNA-binding protein 35B
NP_001187548.1	ester hydrolase c11orf54-like protein
XP_005163946.1	estradiol 17-beta-dehydrogenase 1 isoform X1
NP_001187450.1	estradiol 17-beta-dehydrogenase 12-b
XP_005163234.1	estradiol 17-beta-dehydrogenase 2 isoform X1
NP_001187012.1	estrogen receptor beta
AFC36883.1	estrogen receptor beta 2
XP_005948914.1	estrogen receptor beta-like isoform X1
AAC69548.1	estrogen receptor type alpha
XP_001921093.3	estrogen-related receptor gamma
XP_005160912.1	estrogen-related receptor gamma b isoform X1
XP_005158827.1	estrogen-related receptor gamma isoform X1
XP_006155906.1	estrogen-related receptor gamma isoform X12
XP_006627644.1	estrogen-related receptor gamma-like
XP_006625771.1	estrogen-related receptor gamma-like isoform X2
XP_005915099.1	estrogen-related receptor gamma-like isoform X3
XP_004007596.1	ethanolamine kinase 1
XP_689471.3	ethanolamine kinase 1 isoform 1
XP_006628608.1	ethanolamine kinase 1-like
NP_001029347.1	ethanolamine kinase 2
XP_003410161.1	ethanolamine kinase 2-like
NP_001006037.1	ethanolamine-phosphate cytidyltransferase
XP_004539072.1	ethanolamine-phosphate cytidyltransferase-like
XP_005925138.1	ethanolamine-phosphate cytidyltransferase-like isoform X2
XP_006629808.1	ethanolamine-phosphate phospho-lyase-like
XP_003971558.1	ethanolaminophosphotransferase 1-like
NP_001017898.1	etoposide induced 2.4
XP_005926842.1	etoposide-induced protein 2.4 homolog
XP_696294.3	ETS domain-containing protein Elk-1

ADO28051.1 ets domain-containing protein elk-3
 XP_005732229.1 ETS domain-containing transcription factor ERF-like
 XP_005158086.1 ETS domain-containing transcription factor ERF-like isoform X1
 XP_005163046.1 ETS homologous factor isoform X1
 XP_004078579.1 ETS translocation variant 1-like
 XP_006636099.1 ETS translocation variant 1-like isoform X3
 XP_006630228.1 ETS translocation variant 3-like
 XP_004556836.1 ETS translocation variant 4-like isoform X1
 XP_005167596.1 ETS translocation variant 5 isoform X2
 XP_005165916.1 ets variant 5b isoform X2
 XP_005159421.1 Ets2 repressor factor isoform X1
 XP_006639126.1 ETS-related transcription factor Elf-1-like
 XP_002666146.1 ETS-related transcription factor Elf-3
 XP_005722941.1 ETS-related transcription factor Elf-4-like isoform X1
 XP_005467443.1 ETS-related transcription factor Elf-4-like isoform X2
 NP_001166035.1 euchromatic histone-lysine N-methyltransferase 1b
 XP_005161162.1 euchromatic histone-lysine N-methyltransferase 1b isoform X1
 XP_005161165.1 euchromatic histone-lysine N-methyltransferase 1b isoform X4
 XP_005156125.1 eukaryotic elongation factor 2 kinase isoform X2
 XP_005156126.1 eukaryotic elongation factor 2 kinase isoform X3
 NP_001002740.1 eukaryotic elongation factor 2 kinase
 NP_001187588.1 eukaryotic initiation factor 4a-i
 XP_006058672.1 eukaryotic initiation factor 4A-II isoform X3
 ADO28242.1 eukaryotic initiation factor 4a-iii
 XP_004085009.1 eukaryotic peptide chain release factor GTP-binding subunit ERF3A-like
 XP_006637245.1 eukaryotic peptide chain release factor GTP-binding subunit ERF3A-like isoform X1
 NP_958868.1 eukaryotic peptide chain release factor subunit 1
 XP_003782360.1 eukaryotic peptide chain release factor subunit 1-like
 XP_003444613.1 eukaryotic peptide chain release factor subunit 1-like isoform X1
 NP_001157466.1 eukaryotic translation elongation factor 1 alpha
 NP_001017795.1 eukaryotic translation elongation factor 1 alpha 1
 NP_001134488.1 Eukaryotic translation elongation factor 1 epsilon-1
 XP_692806.3 eukaryotic translation elongation factor 1 epsilon-1 isoform 1
 XP_006131879.1 eukaryotic translation initiation factor 1b, partial
 ADO28047.1 eukaryotic translation initiation factor 2 subunit 1
 XP_006627804.1 eukaryotic translation initiation factor 2 subunit 3-like
 NP_001020341.1 eukaryotic translation initiation factor 2A
 ACI34373.1 Eukaryotic translation initiation factor 2-alpha kinase 1
 XP_005169515.1 eukaryotic translation initiation factor 2-alpha kinase 1 isoform X2
 XP_005156642.1 eukaryotic translation initiation factor 2-alpha kinase 3
 XP_002667149.3 eukaryotic translation initiation factor 2-alpha kinase 4
 XP_004082649.1 eukaryotic translation initiation factor 2-alpha kinase 4-like
 NP_957456.1 eukaryotic translation initiation factor 2D
 AFM88412.1 Eukaryotic translation initiation factor 3 subunit 3
 AAT68096.1 eukaryotic translation initiation factor 3 subunit 6
 NP_001085285.1 eukaryotic translation initiation factor 3 subunit A
 XP_006799080.1 eukaryotic translation initiation factor 3 subunit A-like
 XP_003456022.2 eukaryotic translation initiation factor 3 subunit B
 NP_003210621.1 eukaryotic translation initiation factor 3 subunit B-like
 NP_998628.1 eukaryotic translation initiation factor 3 subunit C
 XP_005156056.1 eukaryotic translation initiation factor 3 subunit C isoform X1
 XP_003442557.1 eukaryotic translation initiation factor 3 subunit D-like isoform X1
 NP_001135167.1 eukaryotic translation initiation factor 3 subunit E
 XP_004086680.1 eukaryotic translation initiation factor 3 subunit E-A-like isoform 1
 ADO28016.1 eukaryotic translation initiation factor 3 subunit e-b
 XP_006635626.1 eukaryotic translation initiation factor 3 subunit E-B-like
 XP_003447502.1 eukaryotic translation initiation factor 3 subunit F-like
 XP_006008658.1 eukaryotic translation initiation factor 3 subunit G-like, partial
 XP_003481398.1 eukaryotic translation initiation factor 3 subunit H-like
 NP_001187527.1 eukaryotic translation initiation factor 3 subunit I
 XP_006806095.1 eukaryotic translation initiation factor 3 subunit I-like
 XP_001366614.1 eukaryotic translation initiation factor 3 subunit J isoform X1
 NP_001187452.1 eukaryotic translation initiation factor 3 subunit k
 XP_004776289.1 eukaryotic translation initiation factor 3 subunit K isoform X1
 ELV11710.1 Eukaryotic translation initiation factor 3 subunit L
 NP_001188224.1 eukaryotic translation initiation factor 3 subunit M
 XP_006642693.1 eukaryotic translation initiation factor 3 subunit M-like
 NP_001186938.1 eukaryotic translation initiation factor 3, subunit F-like
 XP_004675102.1 eukaryotic translation initiation factor 4 gamma 1 isoform X5
 XP_002664770.3 eukaryotic translation initiation factor 4 gamma 1-like
 XP_006128355.1 eukaryotic translation initiation factor 4 gamma 2
 XP_001920081.2 eukaryotic translation initiation factor 4 gamma 3
 XP_005169395.1 eukaryotic translation initiation factor 4 gamma 3 isoform X1
 XP_006642083.1 eukaryotic translation initiation factor 4 gamma 3-like
 XP_005469686.1 eukaryotic translation initiation factor 4 gamma 3-like isoform X1
 XP_006782958.1 eukaryotic translation initiation factor 4 gamma 3-like isoform X2
 XP_005166672.1 eukaryotic translation initiation factor 4, gamma 2a isoform X1, partial
 XP_005166070.1 eukaryotic translation initiation factor 4B isoform X1
 XP_005162014.1 eukaryotic translation initiation factor 4Ba isoform X2

XP_006629427.1 eukaryotic translation initiation factor 4B-like
 NP_001187570.1 eukaryotic translation initiation factor 4e
 XP_005156696.1 eukaryotic translation initiation factor 4E family member 1c isoform X1
 XP_005166093.1 eukaryotic translation initiation factor 4E transporter isoform X1
 NP_001014815.2 eukaryotic translation initiation factor 4E type 2
 ADO27987.1 eukaryotic translation initiation factor 4e type 3
 ACO1441.1 Eukaryotic translation initiation factor 4E-1A-binding protein
 NP_571529.1 eukaryotic translation initiation factor 4E-1B
 XP_006632115.1 eukaryotic translation initiation factor 4E-1B-like
 NP_955939.1 eukaryotic translation initiation factor 4E-binding protein 1
 NP_001188169.1 eukaryotic translation initiation factor 4e-binding protein 3-like
 XP_005157450.1 eukaryotic translation initiation factor 4H isoform X4
 NP_955885.1 eukaryotic translation initiation factor 5
 ACG80389.1 eukaryotic translation initiation factor 5A
 NP_998350.1 eukaryotic translation initiation factor 5A-1
 XP_001923573.4 eukaryotic translation initiation factor 5B
 XP_006632234.1 eukaryotic translation initiation factor 5-like
 ADO28321.1 eukaryotic translation initiation factor 6
 XP_005171610.1 even-skipped-like1 isoform X1
 XP_006631615.1 EVI5-like protein-like
 XP_005470228.1 EVI5-like protein-like isoform X2
 NP_001229867.1 evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial
 XP_005155498.1 Ewing sarcoma breakpoint region 1a isoform X1
 A2AV37.1 EX3L1_DANRE RecName: Full=Exocyst complex component 3-like protein
 XP_004623490.1 excitatory amino acid transporter 1 isoform X1
 XP_006627330.1 excitatory amino acid transporter 1-like
 XP_004911060.1 excitatory amino acid transporter 1-like isoform X3
 NP_956273.1 excitatory amino acid transporter 2
 XP_005455788.1 excitatory amino acid transporter 2-like isoform X1
 NP_001103173.1 excitatory amino acid transporter 4
 XP_699303.2 excitatory amino acid transporter 5
 XP_004607178.1 excitatory amino acid transporter 5 isoform X2
 XP_00404079122.1 excitatory amino acid transporter 5-like
 F1Q514.1 EXO5_DANRE RecName: Full=Exonuclease V; Short=Exo V
 NP_955891.1 exocyst complex component 1
 XP_005160612.1 exocyst complex component 1 isoform X3
 XP_005802357.1 exocyst complex component 2-like
 XP_683981.5 exocyst complex component 3
 XP_005168478.1 exocyst complex component 3 isoform X1
 XP_004576178.1 exocyst complex component 3-like
 XP_005174394.1 exocyst complex component 3-like 1 isoform X1
 NP_001092892.1 exocyst complex component 3-like protein
 NP_001138266.1 exocyst complex component 3-like protein 4
 XP_005796431.1 exocyst complex component 3-like protein-like
 NP_001025305.1 exocyst complex component 4
 XP_006633344.1 exocyst complex component 4-like
 XP_005497018.1 exocyst complex component 4-like, partial
 XP_005156117.1 exocyst complex component 6 isoform X1
 XP_005471276.1 exocyst complex component 6 isoform X2
 XP_005156122.1 exocyst complex component 6 isoform X6
 XP_001370008.2 exocyst complex component 6B
 XP_005172364.1 exocyst complex component 6B isoform X1
 XP_004570426.1 exocyst complex component 6-like
 NP_001133823.1 exocyst complex component 7
 XP_006635236.1 exocyst complex component 7-like isoform X1
 XP_006635238.1 exocyst complex component 7-like isoform X3
 NP_001103945.1 exocyst complex component 8
 NP_998634.1 exonuclease 1
 XP_004077258.1 exonuclease 1-like
 NP_001107878.1 exonuclease 3'-5' domain-containing protein 2
 XP_006798678.1 exonuclease 3'-5' domain-containing protein 2-like
 XP_006632622.1 exonuclease 3'-5' domain-containing protein 2-like isoform X2
 XP_004539105.1 exosome complex component CSL4-like isoform X1
 NP_001018322.1 exosome complex component MTR3
 XP_006629821.1 exosome complex component RRP40-like
 XP_006881113.1 exosome complex component RRP45
 XP_006629264.1 exosome complex component RRP45-like
 ADO28196.1 exosome complex exonuclease rrp42
 NP_001187695.1 exosome complex exonuclease rrp43
 XP_001336850.2 exosome complex exonuclease RRP44
 NP_001006077.1 exosome complex exonuclease RRP45
 NP_001038817.2 exosome complex exonuclease RRP46
 NP_957383.2 exosome component 10
 XP_006642045.1 exosome component 10-like
 AAI22388.1 Exosome component 5
 AAI55813.1 Exostoses (multiple) 1c
 XP_005042587.1 exostosin-1
 XP_003447212.2 exostosin-1b-like
 NP_001035420.1 exostosin-1c

XP_005173858.1 exostosin-1-like
 NP_001008400.1 exostosin-2
 XP_004707684.1 exostosin-like 3
 AAH44132.1 Exportin 6
 XP_001919797.3 exportin-1
 XP_005305699.1 exportin-1 isoform X3
 XP_006638673.1 exportin-1-like
 XP_004554652.1 exportin-1-like isoform X1
 XP_004554656.1 exportin-1-like isoform X5
 NP_001266624.1 exportin-2
 XP_006639561.1 exportin-2-like isoform X2
 NP_997839.1 exportin-4
 XP_006138922.1 exportin-4 isoform X1
 XP_005806293.1 exportin-4-like
 XP_001921422.4 exportin-5
 XP_006002670.1 exportin-5-like
 NP_919355.1 exportin-6
 NP_001121702.1 exportin-7
 XP_002932743.2 exportin-7-A isoform 1
 XP_003976422.1 exportin-T-like
 XP_005475806.1 exportin-T-like isoform X3
 Q51GR8.1 EXT1A_DANRE RecName: Full=Exostosin-1a; AltName: Full=Glucuronosyl-N-acetylglucosaminyl-
 proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase 1a;
 AltName: Full=Multiple exostosins protein 1 homolog a
 XP_699731.6 extended synaptotagmin-1
 XP_003448297.2 extended synaptotagmin-1-like
 XP_006634572.1 extended synaptotagmin-2-A-like
 XP_005166501.1 extended synaptotagmin-2-A-like isoform X2
 XP_004546889.1 extended synaptotagmin-2-B-like isoform X1
 NP_001116705.1 extended synaptotagmin-3
 XP_005944168.1 extended synaptotagmin-3-like
 XP_005159270.1 extracellular calcium-sensing receptor
 XP_001332717.1 extracellular calcium-sensing receptor-like
 XP_004544072.1 extracellular calcium-sensing receptor-like, partial
 XP_002664851.1 extracellular matrix protein 1-like isoform X1
 XP_686507.3 extracellular matrix protein 2
 NP_001124312.1 extracellular matrix protein FRAS1
 XP_005165392.1 extracellular matrix protein FRAS1 isoform X1
 XP_005922068.1 extracellular matrix protein FRAS1-like
 XP_688892.5 extracellular serine/threonine protein kinase FAM20C
 XP_003452920.1 extracellular serine/threonine protein kinase FAM20C-like
 EPY89587.1 extracellular serine/threonine protein kinase precursor
 BAD23842.1 extracellular signal regulated protein kinase 1
 CBN81924.1 Extracellular sulfatase Sulf-1
 XP_005162041.1 extracellular sulfatase Sulf-2 isoform X1
 NP_001003833.2 extracellular sulfatase Sulf-2 precursor
 XP_006639574.1 extracellular sulfatase Sulf-2-like
 NP_001092706.1 extracellular superoxide dismutase
 NP_571287.1 extra-ocular rhodopsin
 AEQ28349.1 Eya1, partial
 XP_005162371.1 eyes absent 4 isoform X1
 XP_005162373.1 eyes absent 4 isoform X3
 CBN81916.1 Eyes absent homolog 1
 XP_004602456.1 eyes absent homolog 1 isoform X7
 XP_006633958.1 eyes absent homolog 1-like isoform X7
 XP_005740042.1 eyes absent homolog 2-like isoform X1
 XP_005170124.1 eyes absent homolog 3 isoform X4
 XP_002915166.1 ezrin-like
 NP_001135224.1 Ezrin-radixin-moesin-binding phosphoprotein 50
 AAH97035.1 F10 protein
 NP_001004667.1 F11 receptor precursor
 Q7T297.2 F172A_DANRE RecName: Full=Protein FAM172A; Flags: Precursor
 AA108019.1 F5 protein
 AEF56581.1 facilitative glucose transporter variant 1
 XP_005465004.1 FACT complex subunit SPT16 isoform X2
 XP_006808781.1 FACT complex subunit SPT16-like
 ADX97210.1 FACT complex subunit SSRP1
 XP_001923156.3 FACT complex subunit SSRP1 isoform X1
 XP_005913496.1 FACT complex subunit SSRP1-like isoform X3
 ADO27994.1 f-actin-capping protein subunit alpha-1
 XP_007175101.1 F-actin-capping protein subunit beta isoform X1
 XP_006642179.1 F-actin-capping protein subunit beta-like
 XP_005160095.1 factor VIII intron 22 protein isoform X2
 NP_001003997.1 FAD synthase
 XP_005169802.1 FAD synthase isoform X1
 XP_003966281.1 FAD synthase-like
 NP_001107050.1 FAD-dependent oxidoreductase domain-containing protein 1
 XP_005163970.1 FAD-dependent oxidoreductase domain-containing protein 2 isoform X1
 NP_001082855.1 FAD-linked sulphydryl oxidase ALR

XP_692250.4	failed axon connections homolog
NP_001133418.1	FAM105B
NP_001187899.1	fam107a
AAI55330.1	Fam134c protein
NP_001187342.1	fam173b
NP_001187789.1	fam195a
ACQ58854.1	FAM36A
ACI33124.1	FAM3C precursor
AAI54509.1	Fam45a protein
ADO28163.1	fam49b
NP_001134170.1	FAM82B
ACO09137.1	FAM86A
AAI53523.1	Fam98b protein
XP_005163526.1	family with sequence similarity 105, member B isoform X4
NP_001082947.1	family with sequence similarity 114, member A1
XP_686077.3	family with sequence similarity 120C
XP_003198673.1	family with sequence similarity 129, member Bb
AAI29284.1	Family with sequence similarity 8, member A1
AAI52512.1	Family with sequence similarity 82, member A2
AAH92672.1	Fancg protein
XP_005460084.1	Fanconi anemia group B protein-like
XP_005728024.1	Fanconi anemia group F protein-like
XP_004076035.1	Fanconi anemia group J protein homolog
XP_005603538.1	Fanconi anemia group M protein
XP_006632448.1	Fanconi anemia group M protein-like
XP_004540502.1	Fanconi anemia group M protein-like isoform X1
AAAY40845.1	Fanconi anemia L
NP_001035725.1	Fanconi anemia, complementation group A
NP_001035726.1	Fanconi anemia, complementation group B
NP_001035727.1	Fanconi anemia, complementation group C
XP_005167236.1	Fanconi anemia, complementation group C isoform X1
NP_958498.1	Fanconi anemia, complementation group D2
XP_005166084.1	Fanconi anemia, complementation group D2 isoform X1
AAI62341.1	Fanconi anemia, complementation group E
NP_001070780.2	Fanconi anemia, complementation group I
NP_001107132.1	Fanconi anemia, complementation group M
XP_001341227.3	Fanconi anemia-associated protein of 100 kDa-like isoform X1
XP_005156357.1	Fanconi anemia-associated protein of 100 kDa-like isoform X2
NP_001082992.1	Fanconi anemia-associated protein of 24 kDa
XP_005450914.1	fanconi-associated nuclease 1-like
NP_998309.1	far upstream element-binding protein 1
XP_006792385.1	far upstream element-binding protein 1-like isoform X6
EMP29649.1	Far upstream element-binding protein 2
XP_006791639.1	far upstream element-binding protein 2-like isoform X1
NP_001133499.1	Far upstream element-binding protein 3
BAN16587.1	farnesoid X receptor
NP_001074029.1	farnesyltransferase, CAAX box, alpha
XP_004559267.1	fas apoptotic inhibitory molecule 1-like isoform X1
NP_001164290.1	Fas-activated serine/threonine kinase
NP_001187226.1	Fas-associated death domain
XP_005166864.1	FAS-associated factor 1 isoform X1
XP_006768445.1	FAS-associated factor 1, partial
XP_006635307.1	FAS-associated factor 1-like
XP_005920814.1	FAS-associated factor 1-like isoform X2
XP_006781739.1	FAS-associated factor 2-like isoform X1
XP_006781740.1	FAS-associated factor 2-like isoform X2
XP_006635530.1	fas-binding factor 1 homolog
XP_005750159.1	fas-binding factor 1 homolog isoform X4
NP_998561.1	fasciculation and elongation protein zeta-1
XP_002191008.2	fasciculation and elongation protein zeta-2-like
XP_005170934.1	fascin
XP_005171700.1	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus) a isoform X1
NP_957064.2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus) b
XP_005156409.1	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus) b isoform X1
ERE91772.1	fascin-3
XP_003961974.1	FAST kinase domain-containing protein 1-like
XP_692810.5	FAST kinase domain-containing protein 2
XP_006636833.1	FAST kinase domain-containing protein 2-like
XP_006805026.1	FAST kinase domain-containing protein 2-like isoform X1
XP_004546947.1	FAST kinase domain-containing protein 3-like
XP_698448.3	FAST kinase domain-containing protein 5-like
ABV02067.1	fast myosin heavy chain x
AEK21791.1	fast skeletal muscle myosin heavy chain isoform 2
ABY71044.1	fast skeletal myosin 30C-type S1
NP_001018334.1	fat storage-inducing transmembrane protein 2
XP_003758940.1	fatty acid 2-hydroxylase
XP_006797493.1	fatty acid 2-hydroxylase-like

XP_006008412.1	fatty acid 2-hydroxylase-like, partial
NP_571680.1	fatty acid binding protein 7, brain, a
XP_003199708.1	fatty acid desaturase 6-like
AHK05976.1	fatty acid synthase
XP_687387.4	fatty acid synthase-like isoform X2
ADO28361.1	fatty acid-binding protein heart
ADO28127.1	fatty acid-binding protein liver
NP_001187954.1	fatty acid-binding protein liver-type
XP_005797434.1	fatty acid-binding protein, heart-like
XP_006631521.1	fatty acid-binding protein, liver-like
XP_005174372.1	fatty acyl CoA reductase 1 isoform X1
XP_005174373.1	fatty acyl CoA reductase 1 isoform X2
AGR45587.1	fatty acyl desaturase
AGR45590.1	fatty acyl elongase
ACN60325.1	Fatty acyl-CoA hydrolase precursor, medium chain
XP_003972825.1	fatty acyl-CoA reductase 1-like
XP_005740874.1	fatty acyl-CoA reductase 1-like isoform X1
XP_005456720.1	fatty acyl-CoA reductase 1-like isoform X3
NP_997814.1	fatty aldehyde dehydrogenase
XP_003453608.1	fatty aldehyde dehydrogenase-like
XP_001335979.2	fatty aldehyde dehydrogenase-like isoform X1
ERE86306.1	fatty-acid amide hydrolase 1
XP_002931490.2	fatty-acid amide hydrolase 1-like
NP_001002700.1	fatty-acid amide hydrolase 2-A
XP_004574228.1	fatty-acid amide hydrolase 2-A-like
AAI62604.1	Fbln1 protein
NP_958890.1	F-box and leucine-rich repeat protein 14a
XP_004186202.1	F-box and leucine-rich repeat protein 20
NP_958467.1	F-box and WD-40 domain protein 11a
NP_001128729.1	F-box only protein 10
XP_004752921.1	F-box only protein 11 isoform X1
XP_004752922.1	F-box only protein 11 isoform X2
XP_696134.3	F-box only protein 11 isoform X3
XP_004940255.1	F-box only protein 11 isoform X6
CBN81894.1	F-box only protein 15
XP_005162717.1	F-box only protein 15 isoform X1
XP_689154.4	F-box only protein 15 isoform X2
ADO27914.1	f-box only protein 16
XP_002187594.2	F-box only protein 18
XP_005164646.1	F-box only protein 18 isoform X1
XP_696130.3	F-box only protein 21
XP_003975243.1	F-box only protein 21-like
XP_003454202.1	F-box only protein 21-like isoform X1
NP_001025277.1	F-box only protein 22
NP_991287.1	F-box only protein 25
XP_006626450.1	F-box only protein 25-like isoform X5
XP_003456723.2	F-box only protein 28-like
XP_003973797.1	F-box only protein 2-like
XP_005169037.1	F-box only protein 3 isoform X1
XP_003442923.1	F-box only protein 30
XP_005470980.1	F-box only protein 31-like isoform X1
NP_001188237.1	f-box only protein 32
XP_696143.1	F-box only protein 33-like
XP_002665197.1	F-box only protein 34 isoform X1
XP_005169658.1	F-box only protein 38 isoform X2
XP_005993430.1	F-box only protein 38 isoform X3
XP_006632135.1	F-box only protein 38-like
XP_006642745.1	F-box only protein 3-like
XP_006007172.1	F-box only protein 4
XP_694708.3	F-box only protein 40-like isoform X2
XP_696198.4	F-box only protein 41
NP_956725.1	F-box only protein 43
NP_001076300.1	F-box only protein 46
ELK01583.1	F-box only protein 47
ADO28378.1	f-box only protein 48
NP_001003869.1	F-box only protein 5
XP_005801820.1	F-box only protein 6-like
XP_006897609.1	F-box only protein 7
NP_001035397.1	F-box only protein 8
XP_004610444.1	F-box only protein 8 isoform X2
NP_956726.1	F-box protein 30b
EDL09739.1	F-box protein 38, isoform CRA_b
NP_001086290.1	F-box protein 8
AAH76528.1	F-box protein 9
XP_005451741.1	F-box/LRR-repeat protein 14-like isoform X1
NP_998107.1	F-box/LRR-repeat protein 15
XP_003966412.1	F-box/LRR-repeat protein 16-like
XP_005995766.1	F-box/LRR-repeat protein 17 isoform X1
XP_001335097.5	F-box/LRR-repeat protein 17-like

NP_001025416.1 F-box/LRR-repeat protein 18
 XP_005948743.1 F-box/LRR-repeat protein 19-like
 XP_001339819.4 F-box/LRR-repeat protein 2
 XP_002664757.2 F-box/LRR-repeat protein 20-like isoformX1
 XP_002663386.1 F-box/LRR-repeat protein 3 isoform 1
 XP_006639090.1 F-box/LRR-repeat protein 3-like
 XP_004543410.1 F-box/LRR-repeat protein 3-like isoform X1
 XP_003973888.1 F-box/LRR-repeat protein 5-like
 XP_005817146.1 F-box/LRR-repeat protein 5-like, partial
 XP_005739830.1 F-box/LRR-repeat protein 6-like
 NP_001073511.1 F-box/LRR-repeat protein 7
 XP_003732423.1 F-box/LRR-repeat protein 7-like
 NP_001032499.2 F-box/LRR-repeat protein 8
 ERE68475.1 F-box/WD repeat-containing protein 10
 XP_006635506.1 F-box/WD repeat-containing protein 10-like
 XP_692449.4 F-box/WD repeat-containing protein 10-like isoform X2
 ACN10845.1 F-box/WD repeat-containing protein 11
 XP_005284150.1 F-box/WD repeat-containing protein 11 isoform X4
 NP_001018175.1 F-box/WD repeat-containing protein 2
 XP_005753129.1 F-box/WD repeat-containing protein 2-like isoform X1
 NP_571596.1 F-box/WD repeat-containing protein 4
 NP_998484.1 F-box/WD repeat-containing protein 5
 XP_006789019.1 F-box/WD repeat-containing protein 5-like
 XP_005171007.1 F-box/WD repeat-containing protein 7 isoform X3
 XP_006629552.1 F-box/WD repeat-containing protein 7-like
 NP_001108050.1 F-box/WD repeat-containing protein 8
 XP_006640378.1 F-box/WD repeat-containing protein 8-like
 XP_002661149.1 F-box/WD repeat-containing protein 9
 NP_001188265.1 Fbx116 protein-like
 COHAC0.1 FBXL5_SALSA RecName: Full=F-box/LRR-repeat protein 5; AltName: Full=F-box and leucine-rich repeat protein 5
 XP_005155991.1 Fc receptor-like protein 5-like isoform X1
 XP_004939054.1 FCH and double SH3 domains protein 2 isoform X5
 XP_006627869.1 FCH and double SH3 domains protein 2-like
 XP_004543902.1 FCH and double SH3 domains protein 2-like isoform X1
 XP_005166994.1 FCH domain only 1
 XP_004553881.1 FCH domain only protein 1-like isoform X4
 XP_006168414.1 FCH domain only protein 2
 XP_005171923.1 FCH domain only protein 2 isoform X6
 E7FBF7.2 FCHO1_DANRE RecName: Full=FCH domain only protein 1
 NP_001187098.1 FcR gamma subunit precursor
 AHG98484.1 FDF1, partial
 AAH83515.1 Fdps protein, partial
 XP_005452454.1 feline leukemia virus subgroup C receptor-related protein 1
 XP_005160796.1 feline leukemia virus subgroup C receptor-related protein 1 isoform X1
 XP_005160925.1 feline leukemia virus subgroup C receptor-related protein 2 isoform X2
 XP_005800335.1 feline leukemia virus subgroup C receptor-related protein 2-like
 XP_006797207.1 feline leukemia virus subgroup C receptor-related protein 2-like isoform X2
 Q6TNU4.1 FEN1A_DANRE RecName: Full=Flap endonuclease 1; Short=FEN-1; AltName: Full=Flap structure-specific endonuclease 1
 NP_001182711.1 fep15 selenoprotein precursor
 XP_001922278.2 fer-1-like protein 4-like
 XP_003199239.2 fer-1-like protein 6
 XP_006636890.1 fer-1-like protein 6-like
 XP_005173136.1 FERM and PDZ domain-containing protein 1-like
 XP_005170993.1 FERM and PDZ domain-containing protein 1-like isoform X1
 XP_005170994.1 FERM and PDZ domain-containing protein 1-like isoform X2
 XP_004073548.1 FERM and PDZ domain-containing protein 3-like
 XP_003199310.2 FERM and PDZ domain-containing protein 4
 XP_006638064.1 FERM and PDZ domain-containing protein 4-like
 XP_005736578.1 FERM domain-containing protein 1-like, partial
 XP_002663277.2 FERM domain-containing protein 3
 NP_001122007.1 FERM domain-containing protein 4A
 XP_005470912.1 FERM domain-containing protein 4A-like isoform X2
 XP_006789515.1 FERM domain-containing protein 4A-like isoform X5
 CBN80978.1 FERM domain-containing protein 4B
 XP_002662555.3 FERM domain-containing protein 4B-like
 XP_698481.1 FERM domain-containing protein 5
 NP_001018652.1 FERM domain-containing protein 6
 XP_006632470.1 FERM domain-containing protein 6-like
 XP_003962376.1 FERM domain-containing protein 6-like isoform 1
 XP_003197670.1 FERM domain-containing protein 7-like
 XP_687842.2 FERM domain-containing protein 8
 ETE61948.1 FERM, RhoGEF and pleckstrin domain-containing protein 1
 XP_005172563.1 FERM, RhoGEF and pleckstrin domain-containing protein 1-like
 XP_006788490.1 FERM, RhoGEF and pleckstrin domain-containing protein 1-like isoform X1
 XP_001922658.2 FERM, RhoGEF and pleckstrin domain-containing protein 2 isoformX2
 XP_004067833.1 FERM, RhoGEF and pleckstrin domain-containing protein 2-like
 XP_005451238.1 FERM, RhoGEF and pleckstrin domain-containing protein 2-like isoform X4

NP_001032469.1	fermitin family homolog 1
XP_003971634.1	fermitin family homolog 1-like
XP_005158973.1	fermitin family homolog 2 isoform X2
NP_957198.1	fermitin family homolog 3
XP_002662234.2	fermitin family homolog 3, partial
XP_005172091.1	fermitin family homolog 3-like, partial
NP_001094419.1	ferredoxin 1b
NP_001093489.1	ferredoxin-fold anticodon binding domain containing 1
XP_004635739.1	ferric-chelate reductase 1
NP_001167281.1	ferric-chelate reductase 1 precursor
NP_001187267.1	ferritin heavy chain subunit
NP_001187268.1	ferritin middle subunit
XP_003440239.1	ferrochelatase, mitochondrial-like
AAO74862.1	fetuin long form
ABA33614.1	fetuin-B
XP_005161913.1	fetuin-B isoform X1
NP_001107820.1	fez family zinc finger protein 1
XP_004574687.1	fez family zinc finger protein 1-like
XP_003940271.1	fez family zinc finger protein 2
AAL91001.1	Fez-like zinc finger protein
AAI62870.1	Fgf19 protein
NP_001118008.1	FGF2
XP_007071191.1	FGFR1 oncogene partner
XP_003455754.1	FGFR1 oncogene partner 2 homolog
EMP32776.1	FGFR1 oncogene partner 2 like protein
XP_005160719.1	FGFR1 oncogene partner isoform X4
XP_005160722.1	FGFR1 oncogene partner isoform X7
CAM73234.1	fgfr3
AAI62517.1	Fgfr3 protein
CAM60089.1	fgfr1b
NP_998446.2	FGGY carbohydrate kinase domain-containing protein
XP_004079026.1	FGGY carbohydrate kinase domain-containing protein-like
XP_003199019.2	FH1/FH2 domain-containing protein 1 isoform X1
XP_005169063.1	FH1/FH2 domain-containing protein 1 isoform X2
XP_004563551.1	FH1/FH2 domain-containing protein 1-like
XP_005159382.1	FH1/FH2 domain-containing protein 3 isoform X4
XP_005459322.1	FH1/FH2 domain-containing protein 3-like
XP_005940952.1	FH1/FH2 domain-containing protein 3-like isoform X1
XP_005738488.1	FH1/FH2 domain-containing protein 3-like isoform X5
XP_694558.2	FH2 domain-containing protein 1-like
XP_005754871.1	FH2 domain-containing protein 1-like, partial
WP_003261389.1	Fiber protein
ACI29314.1	fibrillin 4
XP_003200826.2	fibrillin-1
XP_006628762.1	fibrillin-1-like
XP_006793978.1	fibrillin-1-like isoform X1
XP_418173.4	fibrillin-2
NP_001129262.1	fibrillin-2 precursor
EOB01950.1	Fibrillin-2, partial
XP_006626990.1	fibrillin-2-like
XP_006800526.1	fibrillin-2-like isoform X1
AAH75895.1	Fibrinogen alpha chain
XP_001922345.2	fibrinogen C domain-containing protein 1 isoform X1
XP_005158093.1	fibrinogen silencer-binding protein-like
XP_005282118.1	fibrinogen-like protein 1 isoform X2
XP_001923586.1	fibrinogen-like protein 1-like
XP_005155339.1	fibrinogen-like protein 1-like isoform X1
NP_956703.1	fibroblast growth factor (acidic) intracellular binding protein a
NP_998026.1	fibroblast growth factor (acidic) intracellular binding protein b
XP_005161217.1	fibroblast growth factor (acidic) intracellular binding protein b isoform X1
NP_001098748.1	fibroblast growth factor 1 (acidic)
NP_878290.1	fibroblast growth factor 10 precursor
AAH94986.1	Fibroblast growth factor 10a
XP_003975064.1	fibroblast growth factor 10-like
NP_001012380.1	fibroblast growth factor 11a
XP_005163295.1	fibroblast growth factor 12 isoform X1
ELK38119.1	Fibroblast growth factor 13
XP_005173268.1	fibroblast growth factor 13a isoform X4
XP_004545738.1	fibroblast growth factor 13-like isoform X4
XP_005303453.1	fibroblast growth factor 14 isoform X1
XP_005733846.1	fibroblast growth factor 14-like isoform X1
NP_001035497.1	fibroblast growth factor 16
XP_005795547.1	fibroblast growth factor 16-like
XP_005172548.1	fibroblast growth factor 17 isoform X1
XP_005172549.1	fibroblast growth factor 17 isoform X2
NP_001012379.1	fibroblast growth factor 18b precursor
CBN81340.1	Fibroblast growth factor 19
XP_004539230.1	fibroblast growth factor 20-like
NP_001009564.2	fibroblast growth factor 23 precursor

AAO38854.1	fibroblast growth factor 24
XP_005802738.1	fibroblast growth factor 3-like
NP_571710.1	fibroblast growth factor 4 precursor
NP_001009561.1	fibroblast growth factor 5 precursor
XP_006626865.1	fibroblast growth factor 5-like
NP_001001398.2	fibroblast growth factor 6a
XP_003447099.1	fibroblast growth factor 6-like
CAA76422.1	fibroblast growth factor 6-related protein
XP_003969881.1	fibroblast growth factor 7-like
ABG89860.1	fibroblast growth factor 8
NP_878276.1	fibroblast growth factor 8b precursor
NP_001082995.1	fibroblast growth factor binding protein 2b
ERE68176.1	fibroblast growth factor receptor
AAO45658.1	fibroblast growth factor receptor 1 isoform 2
ETE62511.1	Fibroblast growth factor receptor 1, partial
ACJ66723.1	fibroblast growth factor receptor 1a1
ACJ66724.1	fibroblast growth factor receptor 1a2
XP_004544757.1	fibroblast growth factor receptor 1-A-like
XP_006630492.1	fibroblast growth factor receptor 2-like isoform X3
XP_004559740.1	fibroblast growth factor receptor 2-like isoform X4
XP_005812475.1	fibroblast growth factor receptor 3-like
AAI71704.1	Fibroblast growth factor receptor 4
XP_005163226.1	fibroblast growth factor receptor substrate 2b isoform X1
NP_001135347.1	Fibroblast growth factor-binding protein 1 precursor
XP_005170995.1	fibroblast growth factor-binding protein 1-like
NP_001159795.1	fibrocystin-L isoform 2 precursor
ERE50592.1	fibrocystin-like protein
XP_001923799.2	fibroin heavy chain-like
NP_001133854.1	fibroleukin precursor
NP_001025243.1	fibromodulin-like precursor
BAF42760.1	fibronectin
XP_006630575.1	fibronectin type 3 and ankyrin repeat domains protein 1-like
NP_001038582.1	fibronectin type III and SPRY domain-containing protein 1
XP_003439923.1	fibronectin type III and SPRY domain-containing protein 1-like
XP_006628745.1	fibronectin type III and SPRY domain-containing protein 2-like
XP_004543508.1	fibronectin type III and SPRY domain-containing protein 2-like isoform X1
XP_002666718.1	fibronectin type III domain-containing protein 3B
XP_003218197.1	fibronectin type III domain-containing protein 3B isoform X1
XP_006637865.1	fibronectin type III domain-containing protein 3B-like
XP_004083875.1	fibronectin type III domain-containing protein 4-like
NP_001037802.1	fibronectin type III domain-containing protein 5 precursor
XP_005799237.1	fibronectin type III domain-containing protein 5-like
XP_004566645.1	fibronectin type III domain-containing protein 5-like isoform X1
XP_003197984.1	fibronectin type III domain-containing protein 7-like
XP_005170175.1	fibronectin type III domain-containing protein 7-like, partial
EMP23943.1	Fibronectin type-III domain-containing protein 3a
XP_006028405.1	fibronectin type-III domain-containing protein 3a-like
XP_006265371.1	fibronectin type-III domain-containing protein 3a-like isoform X1
XP_005173419.1	fibronectin type-III domain-containing protein 3a-like isoform X3
XP_005173415.1	fibronectin type-III domain-containing protein 3a-like, partial
XP_001341618.4	fibrous sheath CABYR-binding protein-like
XP_006632574.1	fibrous sheath-interacting protein 1-like
ACN11181.1	Fibulin-1
XP_001341277.2	fibulin-2 isoform X1
XP_005947238.1	fibulin-2-like
XP_001918972.3	fibulin-7-like
XP_004539431.1	fibulin-7-like isoform X2
XP_005165848.1	fidgetin-like
NP_001122223.1	fidgetin-like protein 1
NP_001092114.1	fIg-Hepta protein
NP_001103956.1	filamin A-interacting protein 1-like
XP_005452417.1	filamin A-interacting protein 1-like isoform X3
EMP34101.1	Filamin A-interacting protein 1-like protein
NP_001265819.1	filamin C, gamma
XP_001922206.1	filamin-A
XP_006626204.1	filamin-A-interacting protein 1-like
XP_005452483.1	filamin-A-interacting protein 1-like isoform X1
XP_001919520.4	filamin-B
CBN80647.1	Filamin-B, partial
NP_001133388.1	Filamin-binding LIM protein 1
XP_005453684.1	filamin-B-like
XP_006631012.1	filamin-B-like isoform X1
XP_006631013.1	filamin-B-like isoform X2
XP_002666982.1	filamin-C isoform X1
XP_698846.6	filamin-C, partial
XP_005937178.1	filamin-C-like
XP_002913471.1	filamin-C-like isoform 1
XP_006633375.1	filamin-C-like isoform X1
XP_005475779.1	filamin-C-like isoform X2

XP_006633377.1	filamin-C-like isoform X3
XP_688502.5	filensin-like
NP_001017873.2	fin bud initiation factor precursor
CAQ14351.1	finTRIM family protein
NP_001038735.2	finTRIM family, member 14
NP_001034808.2	finTRIM family, member 67
NP_001068571.1	finTRIM family, member 82
CAP08943.1	fish virus induced TRIM protein
XP_004809340.1	fizzy-related protein homolog isoform X1
XP_006639851.1	fizzy-related protein homolog isoform X2
AAH71516.1	FK506 binding protein 4
ACN11396.1	FK506-binding protein 10 precursor
XP_005172023.1	FK506-binding protein 15 isoform X2
XP_005733655.1	FK506-binding protein 15-like
XP_005949226.1	FK506-binding protein 15-like isoform X3
XP_002663296.3	FK506-binding protein 15-like, partial
ACO10143.1	FK506-binding protein 1B
ADO27839.1	fk506-binding protein 3
ACO09466.1	FK506-binding protein 4
XP_005161061.1	FK506-binding protein 5 isoform X1
XP_690688.3	FK506-binding protein 5 isoform X3
XP_005163407.1	FK506-binding protein 5-like isoform X1
AAH45938.1	Fkbp10 protein, partial
AAAY27814.1	flamingo 1a, partial
NP_942115.1	flap endonuclease 1
NP_001187811.1	flap endonuclease 1-b
XP_006792531.1	flap endonuclease GEN homolog 1-like
XP_004568869.1	flap endonuclease GEN homolog 1-like isoform X1
CAI21028.1	flavin containing monooxygenase 5
NP_001002686.1	flavin reductase
XP_001332968.4	flavin-containing monooxygenase FMO GS-OX-like 1-like
ABV08791.1	Fleer
AAT68088.1	FLJ11294-like
AAI14255.1	Flj13639 protein
EGI60232.1	FLJ37770-like protein
AAF03237.1	flk1 protein
XP_705718.2	flocculation protein FLO11
XP_005164139.1	flocculation protein FLO11 isoform X3
XP_005164846.1	flocculation protein FLO11-like
XP_005172506.1	flocculation protein FLO11-like isoform X1
XP_005948325.1	flocculation protein FLO11-like isoform X5
XP_005729298.1	flocculation protein FLO11-like isoform X6
O42305.1	FLOT2_CARAU RecName: Full=Flotillin-2; AltName: Full=Reggie-1; Short=REG-1
XP_003912552.1	flotillin-2 isoform 2
XP_006640903.1	flotillin-2a-like
XP_004557486.1	flotillin-2a-like isoform X2
AGK44631.1	Fluc/CDC42 fusion protein
AGK44634.1	Fluc/Rac1 fusion protein
AAH54657.1	Fmr1 protein
AAAX82094.1	FMS related tyrosine kinase 1
AAI62574.1	Fn1 protein
AAH45354.1	FNBP4 protein
XP_003198980.1	focadhesin
XP_006629810.1	focadhesin-like
XP_005807982.1	focadhesin-like, partial
NP_571871.1	focal adhesion kinase 1
XP_002934523.2	focal adhesion kinase 1 isoform X1
XP_005042577.1	focal adhesion kinase 1 isoform X2
XP_005613368.1	focal adhesion kinase 1 isoform X4
AGS58223.1	focal adhesion kinase 1, partial
XP_006003717.1	focal adhesion kinase 1-like
XP_005744480.1	focal adhesion kinase 1-like isoform X5
NP_001092242.1	folate receptor alpha precursor
NP_001187020.1	follicle-stimulating hormone receptor precursor
NP_001035463.1	folliculin
XP_005157956.1	folliculin isoform X1
NP_001120937.1	folliculin-interacting protein 1
XP_005173974.1	folliculin-interacting protein 1 isoform X3
NP_001139090.1	folliculin-interacting protein 2
XP_006790047.1	follistatin-A-like isoform X3
XP_006884313.1	follistatin-related protein 1
NP_001134013.1	Follistatin-related protein 1 precursor
XP_003452992.2	follistatin-related protein 1-like isoform X1
NP_001027012.1	follistatin-related protein 5 precursor
XP_003200394.2	follistatin-related protein 5-like
XP_005800636.1	follistatin-related protein 5-like isoform X2
NP_998602.1	folylpolyglutamate synthase, mitochondrial
ELW62064.1	Foot protein 1 variant 1
NP_571803.1	forkhead box C1-A

NP_571804.1	forkhead box C1-B
NP_571346.2	forkhead box D1
NP_571345.1	forkhead box D5
NP_998079.2	forkhead box G1b
AA162636.1	Forkhead box I3b
AA124229.1	Forkhead box J1a
NP_001008648.1	forkhead box J1b
XP_005156198.1	forkhead box J1b isoform X1
NP_001182055.1	forkhead box L1-like
BAJ19137.1	forkhead box L2
AA162597.1	Forkhead box N1
NP_001009988.1	forkhead box O3A
XP_005162017.1	forkhead box P1a isoform X2
ACJ36222.1	forkhead box P1b
AEQ67481.1	forkhead box P2
AEV45614.1	forkhead box P3
XP_004553194.1	forkhead box protein B1-like
XP_005162531.1	forkhead box protein B2-like isoform X1
XP_005468543.1	forkhead box protein D1-like
NP_571365.1	forkhead box protein D3
NP_001073150.2	forkhead box protein E3
XP_003442294.1	forkhead box protein F1-like
NP_001077284.1	forkhead box protein F2
XP_006638532.1	forkhead box protein G1-like
NP_571577.1	forkhead box protein H1
XP_003961195.1	forkhead box protein I2-A-like
NP_944598.2	forkhead box protein I3
XP_686801.4	forkhead box protein J2-like
XP_001922273.1	forkhead box protein J3
XP_003448352.1	forkhead box protein J3 isoform X1
XP_004554189.1	forkhead box protein J3-like isoform X5
NP_956196.1	forkhead box protein K1
XP_001922856.1	forkhead box protein K2 isoform 1
XP_006635435.1	forkhead box protein K2-like
XP_005740900.1	forkhead box protein M1-like isoform X1
NP_997738.1	forkhead box protein N1
NP_001017555.1	forkhead box protein N2
XP_005156261.1	forkhead box protein N2 isoform X1
NP_001038728.1	forkhead box protein N3
XP_005169895.1	forkhead box protein N3 isoform X1
XP_005165157.1	forkhead box protein N4 isoform X2
NP_001070725.2	forkhead box protein O1-A
NP_001076326.1	forkhead box protein O1-B
XP_003450587.2	forkhead box protein O1-B-like isoform X1
AGS58227.1	forkhead box protein O3
XP_005796100.1	forkhead box protein O3-like
XP_692168.4	forkhead box protein O4-like
XP_005167142.1	forkhead box protein P1-B-like
XP_006093839.1	forkhead box protein P1-like isoform X5
NP_001186420.1	forkhead box protein P4
NP_001096594.1	forkhead box protein R1
NP_998072.1	forkhead box Q1b
BAD89148.1	forkhead transcription factor
ABK76309.1	forkhead transcription factor L2
XP_689569.3	formin
BAB68206.1	formin binding protein 11-related protein
XP_003457397.2	formin binding protein 1-like isoform X1
XP_006132748.1	formin-1 isoform X1
XP_005638251.1	formin-1 isoform X4
XP_001921749.4	formin-1-like
XP_005916966.1	formin-1-like isoform X2
XP_005169559.1	formin-2 isoform X1
XP_694795.6	formin-2 isoform X2
XP_001333061.4	formin-2-like
XP_005166906.1	formin-binding protein 1 isoform X1
NP_001003634.1	formin-binding protein 1-like
XP_005161058.1	formin-binding protein 1-like isoform X2
XP_690538.6	formin-binding protein 1-like isoform X5
XP_005990659.1	formin-H-like
XP_697667.3	formin-J-like
XP_005174706.1	formin-like
XP_005165914.1	formin-like 2b isoform X2
XP_005931588.1	formin-like isoform X3
XP_001336586.5	formin-like protein 12-like
XP_003439100.2	formin-like protein 13-like
XP_685133.4	formin-like protein 1-like
XP_006024608.1	formin-like protein 2
XP_003961992.1	formin-like protein 2-like
XP_003447470.1	formin-like protein 2-like isoform X1

XP_004555475.1	formin-like protein 2-like isoform X4
XP_006794347.1	formin-like protein 4-like
NP_001155024.1	fos-related antigen 1
NP_001076467.1	fos-related antigen 2
NP_001004112.1	four and a half LIM domains 5
NP_001188231.1	four and a half lim domains protein 1
XP_002811775.1	four and a half LIM domains protein 2 isoform 1
XP_002811776.1	four and a half LIM domains protein 2 isoform 2
NP_001187902.1	four and a half LIM domains protein 3
AAH56569.1	Foxa1 protein
XP_003968645.1	foxhead box protein O1-A-like isoform 1
XP_003968646.1	foxhead box protein O1-A-like isoform 2
XP_004076562.1	foxhead box protein O1-B-like
NP_694495.1	fragile X mental retardation 1
XP_005813241.1	fragile X mental retardation protein 1 homolog
XP_005462150.1	fragile X mental retardation syndrome-related protein 1 homolog A-like isoform X6
NP_956505.2	fragile X mental retardation syndrome-related protein 2
AAH45999.1	Fragile X mental retardation, autosomal homolog 2
XP_005160027.1	Fras1 related extracellular matrix 3 isoform X1
NP_001131131.1	Fras1 related extracellular matrix 3 precursor
BAE92301.1	Fras1 related extracellular matrix protein 2
XP_005155437.1	Fras1 related extracellular matrix protein 2a isoform X1
XP_005155438.1	Fras1 related extracellular matrix protein 2a isoform X2
NP_001131129.1	Fras1 related extracellular matrix protein 2a precursor
XP_005157693.1	Fras1 related extracellular matrix protein 2b isoform X1
XP_005157694.1	Fras1 related extracellular matrix protein 2b isoform X2
NP_001131133.1	Fras1 related extracellular matrix protein 2b precursor
NP_001177237.1	FRAS1-related extracellular matrix protein 1 precursor
XP_006736588.1	FRAS1-related extracellular matrix protein 2
XP_006628286.1	FRAS1-related extracellular matrix protein 2-like
XP_005455085.1	FRAS1-related extracellular matrix protein 2-like isoform X2
XP_005726992.1	FRAS1-related extracellular matrix protein 2-like isoform X3
AD146635.1	Fraser syndrome protein 1
NP_001131130.1	Fras-related extracellular matrix protein 1b precursor
XP_003974564.1	frataxin, mitochondrial-like
XP_001920566.1	free fatty acid receptor 2-like
XP_002665089.1	free fatty acid receptor 3-like
XP_005301326.1	free fatty acid receptor 4 isoform X1
BAB21486.1	fresh water form rod opsin
XP_005808957.1	Friend leukemia integration 1 transcription factor-like isoform X2
XP_005720709.1	Friend leukemia integration 1 transcription factor-like isoform X6
NP_001008780.1	friend leukemia integration 1b
NP_001074070.1	frizzled homolog 3b precursor
AAH68322.2	Frizzled homolog 7a
CAQ14916.1	frizzled homolog 9
NP_571215.1	frizzled-2 precursor
XP_005160805.1	frizzled-3 isoform X1
XP_006625767.1	frizzled-3-like
XP_005173482.1	frizzled-4
NP_571209.2	frizzled-5 precursor
XP_004077741.1	frizzled-6-like
XP_004005455.1	frizzled-7
XP_003967887.1	frizzled-8-like
XP_003198734.1	frizzled-9
NP_571018.1	frizzled-related protein precursor
NP_001092121.1	frRunx3/p45
BAO51650.1	fructose 1,6-bisphosphatase, partial
NP_998297.1	fructose-1,6-bisphosphatase 1b
XP_006809639.1	fructose-1,6-bisphosphatase isozyme 2-like
NP_956485.1	fructose-2,6-bisphosphatase TIGAR B
XP_003444749.1	fructose-bisphosphate aldolase B-like
NP_001187524.1	fructose-bisphosphate aldolase C
NP_001025123.1	fructose-bisphosphate aldolase C-A
XP_005478919.1	FRY-like isoform X1
XP_004936104.1	FRY-like isoform X5
XP_006887045.1	FSD1-like protein
XP_006626700.1	FSD1-like protein-like
AAH80223.1	Fst1b protein
AAI62613.1	Fst15 protein
NP_001124329.1	FTS and Hook-interacting protein homolog
AAH85449.1	FtsJ homolog 1 (E. coli)
NP_001108290.1	fucokinase
NP_001004530.1	fucose mutarotase
NP_001018590.2	fucose-1-phosphate guanylyltransferase
NP_001003559.1	fucosidase, alpha-L-1, tissue precursor
NP_001036159.2	fukutin
NP_957257.1	fumarate hydratase, mitochondrial precursor
XP_003439886.2	fumarate hydratase, mitochondrial-like
NP_955895.1	fumarylacetoacetase

XP_005945774.1	fumarylacetoacetase-like
XP_004547114.1	fumarylacetoacetate hydrolase domain-containing protein 2-like isoform X1
NP_001002711.2	FUN14 domain-containing protein 1
XP_006632718.1	FUN14 domain-containing protein 1-like
EKC25267.1	Furin
NP_001038571.1	furin A precursor
NP_001038574.2	furin B precursor
XP_005807755.1	furin-1-like
ABF18689.1	furinB preproprotein
AAG49004.1	fushi tarazu factor 1-A
BAH57337.1	fusion protein KIF5B-ALK
AAH68402.1	Fxr1 protein
AFK24487.1	FXVD11
AAAX47959.1	Fyn Kinase
ABY26545.1	Fyn tyrosine kinase
XP_002663745.2	FYN-binding protein-like
XP_005161290.1	FYN-binding protein-like isoform X2
XP_001379568.1	FYVE and coiled-coil domain-containing protein 1 isoform X1
XP_003201276.2	FYVE and coiled-coil domain-containing protein 1-like
XP_005951466.1	FYVE and coiled-coil domain-containing protein 1-like isoform X1
XP_005476548.1	FYVE and coiled-coil domain-containing protein 1-like isoform X3
ACN58641.1	FYVE finger-containing phosphoinositide kinase
XP_688794.3	FYVE, RhoGEF and PH domain-containing protein 1, partial
XP_006625492.1	FYVE, RhoGEF and PH domain-containing protein 1-like
XP_005448739.1	FYVE, RhoGEF and PH domain-containing protein 3-like isoform X2
XP_006633766.1	FYVE, RhoGEF and PH domain-containing protein 4-like
CBN81069.1	FYVE, RhoGEF and PH domain-containing protein 5
XP_005166158.1	FYVE, RhoGEF and PH domain-containing protein 5-like
XP_001919894.2	FYVE, RhoGEF and PH domain-containing protein 5-like isoform X1
NP_001093450.1	FYVE, RhoGEF and PH domain-containing protein 6
XP_005164880.1	FYVE, RhoGEF and PH domain-containing protein 6 isoform X2
XP_004573795.1	FYVE, RhoGEF and PH domain-containing protein 6-like
XP_005167377.1	G kinase-anchoring protein 1 isoform X1
XP_005794928.1	G kinase-anchoring protein 1-like
XP_005159920.1	G patch domain and ankyrin repeat-containing protein 1 isoform X1
XP_004070897.1	G patch domain and KOW motifs-containing protein-like
ELK31366.1	G patch domain-containing protein 1
NP_001002393.1	G patch domain-containing protein 11
XP_006632411.1	G patch domain-containing protein 2-like
XP_005158511.1	G patch domain-containing protein 3 isoform X1
XP_005158513.1	G patch domain-containing protein 3 isoform X3
XP_006631460.1	G patch domain-containing protein 3-like
XP_004573609.1	G patch domain-containing protein 4-like
XP_693776.3	G patch domain-containing protein 8 isoform X6
XP_005158129.1	G patch domain-containing protein 8-like
NP_001188204.1	G protein pathway suppressor 2
XP_002663356.2	G protein-activated inward rectifier potassium channel 1
XP_005164222.1	G protein-activated inward rectifier potassium channel 1 isoform X1
XP_698251.1	G protein-activated inward rectifier potassium channel 1 isoform X2
XP_004552444.1	G protein-activated inward rectifier potassium channel 1-like
XP_005165913.1	G protein-activated inward rectifier potassium channel 1-like isoform X2
XP_697984.5	G protein-activated inward rectifier potassium channel 2 isoform X2
XP_004076820.1	G protein-activated inward rectifier potassium channel 2-like
XP_002660948.1	G protein-activated inward rectifier potassium channel 3
XP_005796627.1	G protein-activated inward rectifier potassium channel 3-like
XP_004555198.1	G protein-activated inward rectifier potassium channel 3-like isoform X1
XP_006641692.1	G protein-activated inward rectifier potassium channel 4-like
XP_005173225.1	G protein-coupled receptor 137bb isoform X1
XP_005474227.1	G protein-coupled receptor 161-like
NP_001107906.1	G protein-coupled receptor 27
XP_005173930.1	G protein-coupled receptor 34 like isoform X1
XP_695545.3	G protein-coupled receptor 37 like 1a
XP_696192.2	G protein-coupled receptor 37 like 1b
NP_001137521.1	G protein-coupled receptor 37b precursor
NP_001018317.1	G protein-coupled receptor 56 precursor
XP_005162381.1	G protein-coupled receptor 7 isoform X1
AAH93257.1	G protein-coupled receptor kinase 1 b
BAE66638.1	G protein-coupled receptor kinase 1B
XP_005438129.1	G protein-coupled receptor kinase 5-like
XP_005167309.1	G protein-coupled receptor kinase 5-like isoform X1
XP_695841.5	G protein-coupled receptor kinase 5-like isoform X2
XP_006785301.1	G protein-coupled receptor kinase 6-like
BAB32498.1	G protein-coupled receptor kinase 7
NP_001073657.1	G protein-coupled receptor kinase interacting ArfGAP 2
XP_005155464.1	G protein-coupled receptor kinase interacting ArfGAP 2 isoform X1
NP_001020718.1	G protein-coupled receptor -like
XP_005174211.1	G protein-regulated inducer of neurite outgrowth 3-like
XP_005155456.1	G protein-regulated inducer of neurite outgrowth 3-like isoform X1
XP_005163071.1	G/T mismatch-specific thymine DNA glycosylase isoform X1

XP_687336.3 G/T mismatch-specific thymine DNA glycosylase-like
 XP_005810319.1 G/T mismatch-specific thymine DNA glycosylase-like, partial
 NP_001003992.1 G1 to S phase transition 1
 NP_942101.1 G1 to S phase transition 1, like
 AGS58209.1 G1/S-specific cyclin-D1
 XP_004068583.1 G1/S-specific cyclin-D1-like
 NP_001187525.1 g1/s-specific cyclin-d2
 XP_003978212.1 G1/S-specific cyclin-D2-like
 AGS58210.1 G1/S-specific cyclin-E1
 NP_001133906.1 G1/S-specific cyclin-E2
 XP_005158265.1 G1/S-specific cyclin-E2 isoform X1
 XP_006635875.1 G1/S-specific cyclin-E2-like
 NP_001018461.1 G2 and S phase-expressed protein 1
 XP_005163070.1 G2 and S phase-expressed protein 1 isoform X1
 CBN80910.1 G2/M phase-specific E3 ubiquitin-protein ligase
 XP_005158817.1 G2/M phase-specific E3 ubiquitin-protein ligase isoform X1
 XP_005156757.1 G2/M phase-specific E3 ubiquitin-protein ligase-like
 XP_004562123.1 G2/M phase-specific E3 ubiquitin-protein ligase-like isoform X3
 NP_571588.1 G2/mitotic-specific cyclin-B1
 NP_001070187.1 G2/mitotic-specific cyclin-B3
 XP_005172363.1 G2/mitotic-specific cyclin-B3 isoform X1
 AA100037.1 G2e3 protein
 NP_001182171.1 g6f-like
 AAH45459.1 GA repeat binding protein, beta 2
 XP_002135307.1 GA28417
 AGS58215.1 GA-binding protein alpha chain
 XP_004578139.1 GA-binding protein subunit beta-1 isoform X3
 XP_006628700.1 GA-binding protein subunit beta-1-like isoform X1
 XP_006628701.1 GA-binding protein subunit beta-1-like isoform X2
 AAA43042.1 gag-abl-pol fusion polyprotein, partial
 ABN58713.1 gag-like protein
 AAN15112.1 gag-pol fusion polyprotein
 EXX52812.1 gag-pol fusion protein
 NP_043924.1 gag-pol polyprotein
 CBN80957.1 Gag-protease
 NP_001133732.1 galactocerebrosidase precursor
 XP_006632318.1 galactocerebrosidase-like
 NP_001006002.1 galactokinase
 NP_001133988.1 Galactonate dehydratase
 NP_001121393.1 galactosamine (N-acetyl)-6-sulfate sulfatase
 XP_005155611.1 galactose-1-phosphate uridylyltransferase isoform X1
 XP_005729389.1 galactose-1-phosphate uridylyltransferase-like
 XP_005172398.1 galactose-3-O-sulfotransferase 2-like isoform X1
 XP_693925.4 galactose-3-O-sulfotransferase 2-like isoform X2
 AA166043.1 Galactosidase, beta 1-like
 NP_001119924.1 galactosylceramide sulfotransferase
 XP_005722282.1 galactosylceramide sulfotransferase-like
 EMP29052.1 Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1
 XP_006804718.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1-like isoform X1
 XP_003441642.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1-like isoform X2
 NP_001003454.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2
 XP_006638767.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2-like
 NP_001015059.1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3
 XP_005163049.1 galanin peptides-like isoform X2
 XP_696215.1 galanin receptor type 1
 XP_005155950.1 galanin receptor type 1-like
 XP_001339169.1 galanin receptor type 2-like
 Q5SNX7.1 GALC_DANRE RecName: Full=Galactocerebrosidase; Short=GALCERase; AltName:
 Full=Galactosylceramidase; Flags: Precursor
 NP_001017658.1 galectin 3 binding protein precursor
 XP_004071838.1 galectin-1-like
 NP_998038.1 galectin-3-binding protein B precursor
 NP_001135263.1 Galectin-3-binding protein precursor
 XP_004083379.1 galectin-3-like
 XP_005477536.1 galectin-3-like isoform X2
 ADO27992.1 galectin-4
 XP_003200715.1 galectin-8 isoform X1
 XP_006800678.1 galectin-8-like
 AC166798.1 Galectin-9
 ADO27855.1 galectin-9c
 NP_001038765.1 galectin-related protein
 XP_005165072.1 gametogenetin-binding protein 2 isoform X1
 XP_002666738.3 gamma-1-syntrophin isoform X1
 XP_005807656.1 gamma-1-syntrophin-like
 NP_001119899.1 gamma-2-syntrophin
 XP_005165708.1 gamma-2-syntrophin isoform X1
 EHH24994.1 Gamma-2-tubulin
 ETE62281.1 Gamma-adducin
 XP_005161855.1 gamma-adducin isoform X1

XP_005161864.1 gamma-adducin isoform X10
 XP_005173169.1 gamma-aminobutyric acid (GABA) A receptor, alpha 6a isoform X1
 XP_005156304.1 gamma-aminobutyric acid (GABA) A receptor, pi isoform X1
 XP_005169897.1 gamma-aminobutyric acid (GABA) A receptor, rho 2a isoform X1
 CAP09588.1 gamma-aminobutyric acid (GABA) B receptor, 1
 XP_005173160.1 gamma-aminobutyric acid A receptor, beta 2 isoform X1
 AAB81964.1 gamma-aminobutyric acid receptor rho1 subunit
 NP_001070794.1 gamma-aminobutyric acid receptor subunit alpha-1 precursor
 XP_003970997.1 gamma-aminobutyric acid receptor subunit alpha-1-like
 XP_007069406.1 gamma-aminobutyric acid receptor subunit alpha-2
 XP_005173128.1 gamma-aminobutyric acid receptor subunit alpha-2-like
 XP_003971226.1 gamma-aminobutyric acid receptor subunit alpha-3-like
 XP_005749628.1 gamma-aminobutyric acid receptor subunit alpha-3-like isoform X1
 XP_003200956.2 gamma-aminobutyric acid receptor subunit alpha-3-like, partial
 NP_001017822.1 gamma-aminobutyric acid receptor subunit alpha-4
 XP_005813947.1 gamma-aminobutyric acid receptor subunit alpha-4-like
 XP_001339511.2 gamma-aminobutyric acid receptor subunit alpha-5 isoform X1
 XP_005804486.1 gamma-aminobutyric acid receptor subunit alpha-5-like
 XP_003970996.1 gamma-aminobutyric acid receptor subunit alpha-6-like
 XP_002664179.2 gamma-aminobutyric acid receptor subunit beta-1
 XP_004082817.1 gamma-aminobutyric acid receptor subunit beta-1-like
 XP_004587523.1 gamma-aminobutyric acid receptor subunit beta-2 isoform X2
 XP_006028459.1 gamma-aminobutyric acid receptor subunit beta-2-like
 AGT28701.1 gamma-aminobutyric acid receptor subunit beta-3
 XP_005166136.1 gamma-aminobutyric acid receptor subunit beta-3-like isoform X4
 XP_694878.6 gamma-aminobutyric acid receptor subunit beta-4 isoform X2
 XP_005800198.1 gamma-aminobutyric acid receptor subunit delta-like
 XP_004570993.1 gamma-aminobutyric acid receptor subunit delta-like isoform X1
 XP_684047.5 gamma-aminobutyric acid receptor subunit gamma-1-like
 XP_005231808.1 gamma-aminobutyric acid receptor subunit gamma-2
 XP_005161512.1 gamma-aminobutyric acid receptor subunit gamma-2 isoform X1
 XP_001920261.3 gamma-aminobutyric acid receptor subunit gamma-3
 XP_006066003.1 gamma-aminobutyric acid receptor subunit gamma-3-like
 XP_691298.5 gamma-aminobutyric acid receptor subunit pi-like
 XP_003963705.1 gamma-aminobutyric acid receptor subunit pi-like, partial
 XP_005173644.1 gamma-aminobutyric acid receptor subunit rho-1-like isoform X2
 XP_003456073.2 gamma-aminobutyric acid receptor subunit rho-2 isoform X1
 XP_005801212.1 gamma-aminobutyric acid receptor subunit rho-2-like
 XP_004564811.1 gamma-aminobutyric acid receptor subunit rho-2-like isoform X1
 XP_689576.5 gamma-aminobutyric acid receptor subunit rho-3-like
 ACO13212.1 Gamma-aminobutyric acid receptor-associated protein
 ACO14455.1 Gamma-aminobutyric acid receptor-associated protein-like 1
 XP_694497.5 gamma-aminobutyric acid type B receptor subunit 1
 XP_003200653.2 gamma-aminobutyric acid type B receptor subunit 1 isoform X1
 XP_005170159.1 gamma-aminobutyric acid type B receptor subunit 1 isoform X2
 XP_006801876.1 gamma-aminobutyric acid type B receptor subunit 1-like
 XP_004560986.1 gamma-aminobutyric acid type B receptor subunit 1-like isoform X1
 XP_003444086.1 gamma-aminobutyric acid type B receptor subunit 2
 NP_001137515.1 gamma-aminobutyric acid type B receptor subunit 2 precursor
 EMC82023.1 Gamma-aminobutyric acid type B receptor subunit 2, partial
 XP_006787785.1 gamma-aminobutyric acid type B receptor subunit 2-like
 AAD17896.1 gamma-aminobutyric-acid receptor rho-3 subunit precursor
 XP_005168960.1 gamma-butyrobetaine dioxygenase isoform X1
 NP_001187539.1 gamma-crystallin m2
 XP_006636443.1 gamma-crystallin M2-like
 NP_001187942.1 gamma-crystallin n-b
 XP_005953421.1 gamma-crystallin N-like, partial
 XP_004569775.1 gamma-enolase-like isoform X1
 AAS78629.1 gamma-glutamyl carboxylase
 NP_998487.1 gamma-glutamyl hydrolase precursor
 XP_005951712.1 gamma-glutamyl hydrolase-like
 XP_005988286.1 gamma-glutamyl hydrolase-like isoform X1
 NP_001239164.1 gamma-glutamyl transferase 1a
 NP_001239165.1 gamma-glutamyl transferase 1b
 NP_001167198.1 gamma-glutamyltransferase 5
 XP_005167440.1 gamma-glutamyltransferase 5 isoform X1
 XP_002667883.3 gamma-glutamyltransferase 5-like
 XP_005165501.1 gamma-glutamyltransferase 6-like
 XP_003439082.1 gamma-glutamyltransferase 7 isoform X1
 NP_956709.1 gamma-glutamyltranspeptidase 1
 XP_005167432.1 gamma-glutamyltranspeptidase 1 isoform X1
 XP_005167433.1 gamma-glutamyltranspeptidase 1 isoform X2
 XP_697468.3 gamma-glutamyltranspeptidase 1-like
 XP_005729658.1 gamma-glutamyltranspeptidase 1-like isoform X1
 XP_005729660.1 gamma-glutamyltranspeptidase 1-like isoform X3
 NP_001083007.1 gamma-parvin
 XP_003967673.1 gamma-parvin-like
 NP_001003748.1 gamma-sarcoglycan
 XP_003200060.1 gamma-sarcoglycan-like

NP_956409.1 gamma-secretase subunit Aph-1b
 XP_005812894.1 gamma-secretase subunit Aph-1b-like isoform X1
 XP_001923138.3 gamma-secretase-activating protein isoform X1
 XP_005164962.1 gamma-secretase-activating protein isoform X2
 XP_005799161.1 gamma-secretase-activating protein-like
 XP_006633930.1 gamma-soluble NSF attachment protein-like
 NP_001037776.1 gamma-taxilin
 NP_956416.1 gamma-tubulin complex component 2
 NP_001004513.1 gamma-tubulin complex component 3
 XP_005171052.1 gamma-tubulin complex component 3 isoform X1
 EQB77534.1 gamma-tubulin complex component 4
 XP_005166041.1 gamma-tubulin complex component 5 isoform X1
 XP_006639200.1 gamma-tubulin complex component 5-like
 XP_005451066.1 gamma-tubulin complex component 6
 XP_002667047.2 gamma-tubulin complex component 6, partial
 XP_005796468.1 gamma-tubulin complex component 6-like
 XP_005173176.1 ganglioside GM2 activator isoform X1
 XP_006632105.1 ganglioside GM2 activator-like
 NP_001018511.1 ganglioside-induced differentiation-associated protein 1
 XP_005162699.1 ganglioside-induced differentiation-associated protein 1 isoform X1
 XP_005162450.1 ganglioside-induced differentiation-associated protein 1-like 1 isoform X3
 XP_687373.1 ganglioside-induced differentiation-associated protein 1-like 1 isoform X1
 XP_005811136.1 ganglioside-induced differentiation-associated protein 1-like 1-like isoform X1
 NP_997525.1 gap junction alpha-3 protein precursor
 NP_571884.2 gap junction alpha-8 protein
 EPY89986.1 gap junction alpha-8 protein-like protein
 XP_005452900.1 gap junction alpha-9 protein-like
 XP_005467966.1 gap junction beta-1 protein-like isoform X1
 NP_001017685.1 gap junction beta-3 protein
 XP_003962601.1 gap junction beta-3 protein-like
 ACO09227.1 Gap junction beta-4 protein
 XP_006807554.1 gap junction beta-5 protein-like
 NP_001133752.1 Gap junction beta-6 protein
 NP_001025381.2 gap junction Cx32.2 protein
 XP_006805719.1 gap junction Cx32.2 protein-like
 XP_002666587.1 gap junction delta-2 protein-like
 XP_005813757.1 gap junction delta-3 protein-like
 XP_001336026.2 gap junction delta-4 protein-like
 XP_004561147.1 gap junction epsilon-1 protein-like isoform X3
 XP_002664693.1 gap junction gamma-1 protein-like
 XP_002662207.2 GAS2-like protein 2-like
 ERE68316.1 gasdermin-D
 XP_004071167.1 gastric intrinsic factor-like
 XP_006636729.1 gastricsin-like
 XP_005164243.1 gastrin/cholecystokinin type B receptor-like
 XP_695673.2 gastrin-releasing peptide receptor
 NP_001187961.1 gastrotropin
 XP_006790798.1 gastrula zinc finger protein 5-1-like isoform X1
 ABK34436.1 GASZ
 BAF98873.1 GATA binding protein 3
 AAH93138.1 Gata5 protein, partial
 NP_571308.1 GATA-binding protein 2a
 NP_001002689.1 GATA-binding protein 2b
 NP_956074.2 GATS-like protein 1
 NP_001018651.1 GATS-like protein 3
 XP_006640377.1 GATS-like protein 3-like
 AAP57708.1 gcmB transcription factor
 XP_001336071.1 GC-rich promoter binding protein 1-like 1
 NP_001073652.2 GC-rich sequence DNA-binding factor homolog
 CAA54812.1 g-crystallin
 AGJ83086.1 Gdf-9
 XP_697820.4 GDH/6PGL endoplasmic bifunctional protein-like
 NP_571806.1 gdnf family receptor alpha 1b precursor
 NP_001243565.1 GDNF family receptor alpha 3 precursor
 NP_001116530.1 GDNF family receptor alpha 4a precursor
 XP_001919595.4 GDNF family receptor alpha-1-like
 XP_693326.5 GDNF family receptor alpha-2-like
 XP_694008.4 GDNF family receptor alpha-4-like
 XP_005474137.1 GDNF family receptor alpha-like isoform X1
 XP_005805704.1 GDNF-inducible zinc finger protein 1-like
 AAQ91240.1 GDP dissociation inhibitor 2
 XP_002666833.1 GDP-D-glucose phosphorylase 1-like
 NP_991281.2 GDP-fucose protein O-fucosyltransferase 1 precursor
 XP_004558137.1 GDP-fucose transporter 1-like
 XP_001518831.2 GDP-L-fucose synthase
 XP_005802352.1 GDP-L-fucose synthase-like
 BAF73663.1 GDP-mannose 4,6 dehydratase
 NP_001098349.1 gelatinase A precursor
 NP_001012312.1 gelsolin

XP_003440148.1 gelsolin isoform X1
 XP_003198825.1 gelsolin-like
 XP_004538484.1 gelsolin-like isoform X1
 XP_001339880.4 gem-associated protein 5
 NP_001134796.1 Gem-associated protein 6
 NP_001187625.1 gem-associated protein 7
 NP_956380.1 geminin
 XP_001921214.3 geminin coiled-coil domain-containing protein 1-like
 XP_005163820.1 GEM-interacting protein-like isoform X2
 XP_694162.5 GEM-interacting protein-like isoform X3
 NP_001035013.1 general receptor for phosphoinositides 1-associated scaffold protein
 XP_004560487.1 general receptor for phosphoinositides 1-associated scaffold protein-like isoform X1
 EMP39528.1 General transcription factor 3C polypeptide 1
 XP_005064504.1 general transcription factor 3C polypeptide 1 isoform X2
 XP_006003102.1 general transcription factor 3C polypeptide 1-like
 XP_002660721.3 general transcription factor 3C polypeptide 1-like, partial
 NP_001038483.2 general transcription factor 3C polypeptide 2
 XP_005160885.1 general transcription factor 3C polypeptide 2 isoform X1
 NP_001243171.1 general transcription factor 3C polypeptide 3
 XP_006640777.1 general transcription factor 3C polypeptide 4-like
 XP_693575.4 general transcription factor 3C polypeptide 5
 XP_006633321.1 general transcription factor 3C polypeptide 6-like
 AAH71528.1 General transcription factor IIA, 1
 NP_001038610.1 general transcription factor IIE subunit 1
 ADO27822.1 general transcription factor IIE subunit 2
 NP_001135173.1 general transcription factor IIE, polypeptide 2-2
 XP_005994393.1 general transcription factor IIF subunit 1
 XP_004085475.1 general transcription factor IIF subunit 1-like
 NP_001187504.1 general transcription factor IIf subunit 2
 NP_001004596.1 general transcription factor IIH subunit 1
 ETE69615.1 General transcription factor IIH subunit 1, partial
 XP_003201424.2 general transcription factor IIH subunit 1-like
 XP_006626736.1 general transcription factor IIH subunit 2-like
 XP_006640301.1 general transcription factor IIH subunit 3-like
 NP_956221.1 general transcription factor IIH subunit 4
 NP_001134770.1 General transcription factor IIH subunit 5
 XP_003198753.2 general transcription factor II-I repeat domain-containing protein 1 isoform X1
 XP_005172075.1 general transcription factor II-I repeat domain-containing protein 1 isoform X2
 XP_005172078.1 general transcription factor II-I repeat domain-containing protein 1 isoform X5
 XP_002934073.2 general transcription factor II-I repeat domain-containing protein 2A-like
 XP_005396791.1 general transcription factor II-I repeat domain-containing protein 2B isoform X1
 XP_005951918.1 general transcription factor II-I repeat domain-containing protein 2-like
 XP_007091945.1 general transcription factor II-I repeat domain-containing protein 2-like isoform X1
 XP_005817565.1 general transcription factor II-I repeat domain-containing protein 2-like, partial
 XP_006630142.1 general vesicular transport factor p115-like
 XP_005159244.1 genetic suppressor element 1 isoform X1
 XP_006641293.1 genetic suppressor element 1-like
 XP_003442289.2 genetic suppressor element 1-like isoform X1
 ELK09870.1 Gephyrin
 NP_001165871.1 gephyrin b
 XP_006515967.1 gephyrin isoform X6
 XP_006515969.1 gephyrin isoform X8
 AHJ25771.1 gephyrin, partial
 XP_003971788.1 gephyrin-like isoform 2
 XP_004550514.1 gephyrin-like isoform X3
 XP_005731179.1 gephyrin-like isoform X5
 XP_006891897.1 gephyrin-like, partial
 XP_006627010.1 geranylgeranyl transferase type-1 subunit beta-like
 AAH47197.1 Germ cell-less homolog 1 (Drosophila)
 NP_996933.1 germ cell-less protein-like 1
 XP_005810970.1 germ cell-specific gene 1 protein-like
 XP_007055903.1 germ cell-specific gene 1-like protein
 NP_001035065.1 germ cell-specific gene 1-like protein precursor
 XP_003199601.2 germ cell-specific gene 1-like protein-like
 XP_006636742.1 germinal-center associated nuclear protein-like
 AAR99464.1 GFR alpha 2
 AAH95178.1 Gfra1a protein
 XP_001982783.1 GG13077
 AA155256.1 Gga1 protein
 XP_001985466.1 GH14485
 CBN81477.1 GH3 domain-containing protein
 XP_005156130.1 GH3 domain-containing protein isoform X1
 NP_001116416.1 ghrelin O-acyltransferase
 ACX37418.1 GHRH
 XP_002012399.1 GI11945
 XP_002009828.1 GI15578
 XP_002010947.1 GI21425
 ADZ76342.1 Gig2-like protein CauD
 XP_004069818.1 gigaxonin-like

BAC53976.1	gill urea transporter
NP_001139988.1	GINS complex subunit 1
XP_002664526.2	girdin
XP_005474410.1	girdin isoform X2
XP_006638535.1	girdin-like
XP_005930639.1	girdin-like isoform X2
XP_004570130.1	girdin-like isoform X3
XP_002060482.1	GJ14616
XP_002057218.1	GJ16472
XP_002060542.1	GJ22539
CCA23331.1	GJ22539 putative
XP_002060930.1	GK12693
XP_002065485.1	GK15473
XP_002022319.1	GL24331
Q6DRB1.2	GLE1_DANRE RecName: Full=Nucleoporin GLE1; AltName: Full=GLE1-like protein
XP_006199900.1	glia maturation factor beta
XP_005169200.1	glial cell line-derived neurotrophic factor isoform X1
NP_001015069.1	GLI-Kruppel family member GLI2b
XP_005159309.1	glioma tumor suppressor candidate region gene 1 protein isoform X2
XP_005159310.1	glioma tumor suppressor candidate region gene 1 protein isoform X3
XP_005169957.1	glioma tumor suppressor candidate region gene 1 protein-like isoform X3
NP_001073415.1	glioma tumor suppressor candidate region gene 2 protein
NP_001073634.1	gliomedin
NP_956869.1	GLIPR1-like protein 1 precursor
XP_004570950.1	GLIPR1-like protein 1-like
NP_001276814.1	GLIS family zinc finger 2b
BAH85839.1	glis2
CAG25723.1	globin X
ADO28093.1	globoside alpha-13-n-acetylgalactosaminyltransferase 1
XP_005171220.1	glomulin isoform X1
NP_001124101.1	glomulin, FKBP associated protein b
XP_006634861.1	glomulin-like
AAH85599.1	Glra4b protein, partial
XP_005156436.1	GLTSCR1-like protein-like isoform X1
AAS93685.1	glucagon receptor precursor
XP_691434.5	glucagon receptor-like
NP_001118172.1	glucagon-2 precursor
AAW82330.1	glucagon-like peptide 1 receptor
XP_004569770.1	glucagon-like peptide 2 receptor-like
AD148099.1	glucocorticoid hormone receptor a long isoform
NP_001188372.1	glucocorticoid modulatory element binding protein 1
XP_005159597.1	glucocorticoid modulatory element binding protein 1 isoform X1
NP_001018547.2	glucocorticoid receptor
NP_001117954.1	glucocorticoid receptor 2
CAI51316.3	glucocorticoid receptor GR1a
XP_006207714.1	glucocorticoid-induced transcript 1 protein
ACD37722.1	glucokinase
XP_003975061.1	glucokinase-like
XP_005155531.1	glucosamine (N-acetyl)-6-sulfatase b isoform X1
XP_005155532.1	glucosamine (N-acetyl)-6-sulfatase b isoform X2
NP_001019545.1	glucosamine 6-phosphate N-acetyltransferase
NP_001187869.1	glucosamine-6-phosphate isomerase 1
XP_684147.2	glucosamine-6-phosphate isomerase 2-like
NP_001030153.1	glucosamine--fructose-6-phosphate aminotransferase isomerizing 1
XP_003976349.1	glucosamine--fructose-6-phosphate aminotransferase isomerizing 1-like isoform 2
NP_001029093.1	glucosamine--fructose-6-phosphate aminotransferase isomerizing 2
NP_001091955.1	glucose 1,6-bisphosphate synthase
AEI61932.1	glucose phosphate isomerase A
NP_658910.2	glucose phosphate isomerase b
AFH00993.1	glucose transporter 1
NP_001187276.1	glucose-6-phosphatase 3
XP_005156090.1	glucose-6-phosphatase a, catalytic, tandem duplicate 1 isoform X1
NP_001135196.1	Glucose-6-phosphate 1-dehydrogenase
XP_005801804.1	glucose-6-phosphate 1-dehydrogenase-like
NP_999903.1	glucose-6-phosphate translocase
XP_002663666.1	glucose-6-phosphate translocase isoform X1
XP_001337269.1	glucose-dependent insulinotropic receptor-like
XP_684925.3	glucose-fructose oxidoreductase domain-containing protein 1
XP_005162154.1	glucose-induced degradation protein 8 homolog isoform X3
XP_005164280.1	glucosidase 2 subunit beta isoform X1
XP_005815268.1	glucosidase 2 subunit beta-like
XP_005728209.1	glucoside xylosyltransferase 1-like isoform X1
NP_001103670.1	glucoside xylosyltransferase 2 precursor
XP_006630704.1	glucoside xylosyltransferase 2-like
XP_687471.3	glucosylceramidase-like
NP_998015.2	glucuronyl C5-epimerase a
AAI63091.1	Glucuronyl C5-epimerase b
ADO28135.1	glutamate (nmda) receptor-associated protein 1
NP_956571.1	glutamate carboxypeptidase 2

XP_005474698.1	glutamate carboxypeptidase 2-like isoform X2
NP_919400.1	glutamate decarboxylase 1
NP_001083039.2	glutamate decarboxylase 1-like
XP_002663350.1	glutamate decarboxylase 1-like isoform X1
XP_005723522.1	glutamate decarboxylase 1-like isoform X2
NP_001017708.2	glutamate decarboxylase 2
XP_003968181.1	glutamate decarboxylase 2-like
XP_003439331.1	glutamate decarboxylase 2-like isoform X1
BAD83654.1	glutamate dehydrogenase
XP_006630911.1	glutamate dehydrogenase 1, mitochondrial-like
NP_955839.2	glutamate dehydrogenase 1b
AGI03833.1	glutamate dehydrogenase, partial
XP_004075053.1	glutamate NMDA receptor subunit 3A-like
NP_001121809.1	glutamate NMDA receptor subunit epsilon-2
XP_004071999.1	glutamate NMDA receptor subunit epsilon-2-like
XP_003969142.1	glutamate NMDA receptor subunit epsilon-4-like
XP_004072949.1	glutamate NMDA receptor subunit zeta-1-like
NP_001038775.1	glutamate NMDA receptor-associated protein 1
XP_001098344.2	glutamate NMDA receptor-associated protein 1-like isoform 2
XP_003900454.1	glutamate receptor 1
XP_005558388.1	glutamate receptor 1 isoform X1
XP_003970544.1	glutamate receptor 1-like isoform 1
XP_003970545.1	glutamate receptor 1-like isoform 2
XP_005468067.1	glutamate receptor 1-like isoform X4
XP_005753320.1	glutamate receptor 1-like isoform X7
XP_005507916.1	glutamate receptor 2
XP_006164250.1	glutamate receptor 2 isoform X4
ELK37310.1	Glutamate receptor 2, partial
XP_003970633.1	glutamate receptor 2-like isoform 1
XP_006806855.1	glutamate receptor 2-like isoform X1
XP_005800645.1	glutamate receptor 2-like isoform X6
EPQ11738.1	Glutamate receptor 3
XP_005806682.1	glutamate receptor 3-like isoform X1
XP_006632812.1	glutamate receptor 3-like isoform X2
XP_005725428.1	glutamate receptor 4-like isoform X1
XP_005725431.1	glutamate receptor 4-like isoform X4
XP_005725434.1	glutamate receptor 4-like isoform X7
AAG00455.1	glutamate receptor 5
AAA86646.2	glutamate receptor AMPA/kainate type
XP_003418608.1	glutamate receptor delta-1 subunit-like
NP_001116760.1	glutamate receptor interacting protein 2
XP_001333587.2	glutamate receptor ionotropic, delta-1
XP_005156164.1	glutamate receptor ionotropic, delta-1-like isoform X1
XP_005167218.1	glutamate receptor ionotropic, delta-2 isoform X1
XP_006789831.1	glutamate receptor ionotropic, delta-2-like isoform X1
XP_005916200.1	glutamate receptor ionotropic, delta-2-like isoform X3
XP_001924038.3	glutamate receptor ionotropic, kainate 1
XP_683795.6	glutamate receptor ionotropic, kainate 2
XP_002941901.2	glutamate receptor ionotropic, kainate 2, partial
XP_006626022.1	glutamate receptor ionotropic, kainate 2-like
XP_005802689.1	glutamate receptor ionotropic, kainate 2-like isoform X1
XP_004568828.1	glutamate receptor ionotropic, kainate 2-like isoform X2
XP_002664816.3	glutamate receptor ionotropic, kainate 3-like
XP_684512.4	glutamate receptor ionotropic, kainate 4
XP_003450917.2	glutamate receptor ionotropic, kainate 4-like
XP_007069644.1	glutamate receptor ionotropic, NMDA 1-like
XP_006640545.1	glutamate receptor ionotropic, NMDA 1-like isoform X2
XP_005941415.1	glutamate receptor ionotropic, NMDA 1-like isoform X4
XP_005814339.1	glutamate receptor ionotropic, NMDA 1-like, partial
XP_691754.3	glutamate receptor ionotropic, NMDA 2A
XP_005668691.1	glutamate receptor ionotropic, NMDA 2C
XP_002661175.2	glutamate receptor ionotropic, NMDA 2C-like
XP_002664030.2	glutamate receptor ionotropic, NMDA 2C-like isoform X1
XP_005156407.1	glutamate receptor ionotropic, NMDA 2C-like isoform X2
XP_001921158.3	glutamate receptor ionotropic, NMDA 2D
XP_001921725.3	glutamate receptor ionotropic, NMDA 2D-like
XP_004550763.1	glutamate receptor ionotropic, NMDA 2D-like, partial
XP_694772.5	glutamate receptor ionotropic, NMDA 3A-like
XP_005926089.1	glutamate receptor ionotropic, NMDA 3B-like
NP_938174.1	glutamate receptor, ionotropic, AMPA 3 precursor
XP_004083506.1	glutamate receptor, ionotropic kainate 2-like
XP_005173549.1	glutamate receptor, ionotropic kainate 5 isoform X1
XP_005173550.1	glutamate receptor, ionotropic kainate 5 isoform X2
XP_005173551.1	glutamate receptor, ionotropic kainate 5 isoform X3
XP_005173319.1	glutamate receptor, ionotropic, AMPA 1a isoform X1
XP_005173321.1	glutamate receptor, ionotropic, AMPA 1a isoform X3
XP_005161398.1	glutamate receptor, ionotropic, AMPA 1b isoform X3
NP_991293.1	glutamate receptor, ionotropic, AMPA 1b precursor
XP_005170953.1	glutamate receptor, ionotropic, AMPA 2a isoform X1

XP_005170956.1	glutamate receptor, ionotropic, AMPA 2a isoform X4
NP_571969.1	glutamate receptor, ionotropic, AMPA 2a precursor
XP_005157361.1	glutamate receptor, ionotropic, AMPA 2b isoform X1
XP_005165152.1	glutamate receptor, ionotropic, AMPA 3a isoform X1
NP_938153.1	glutamate receptor, ionotropic, AMPA 3a precursor
AAI62576.1	Glutamate receptor, ionotropic, AMPA 4a
NP_999971.1	glutamate receptor, ionotropic, AMPA 4a precursor
AAI62620.1	Glutamate receptor, ionotropic, AMPA 4b
NP_997917.1	glutamate receptor, ionotropic, AMPA 4b precursor
AAI62459.1	Glutamate receptor, ionotropic, delta 2
XP_005161127.1	glutamate receptor, ionotropic, N-methyl D-aspartate 1a isoform X12
XP_005161120.1	glutamate receptor, ionotropic, N-methyl D-aspartate 1a isoform X5
XP_005171834.1	glutamate receptor, ionotropic, N-methyl D-aspartate 1b isoform X2
NP_001038316.1	glutamate receptor-interacting protein 1
XP_005164702.1	glutamate receptor-interacting protein 1 isoform X4
XP_005164704.1	glutamate receptor-interacting protein 1 isoform X6
XP_006633571.1	glutamate receptor-interacting protein 1-like
XP_001922281.4	glutamate receptor-interacting protein 2
XP_006631141.1	glutamate receptor-interacting protein 2-like
XP_006783071.1	glutamate receptor-interacting protein 2-like isoform X2
AAB88288.1	glutamate transporter 2B
NP_001135274.1	Glutamate--cysteine ligase catalytic subunit
XP_005156545.1	glutamate--cysteine ligase catalytic subunit isoform X1
NP_956139.1	glutamate--cysteine ligase regulatory subunit
XP_001336706.1	glutamate-rich protein 1-like isoform X1
XP_004541222.1	glutamate-rich WD repeat-containing protein 1-like
XP_002660633.3	glutamic acid-rich protein-like
XP_005163712.1	glutamic pyruvate transaminase (alanine aminotransferase) 2, like isoform X1
NP_001038509.1	glutaminase a
XP_001345099.5	glutaminase kidney isoform, mitochondrial
XP_005943322.1	glutaminase kidney isoform, mitochondrial-like
XP_005460870.1	glutaminase kidney isoform, mitochondrial-like isoform X2
XP_001338211.4	glutaminase liver isoform, mitochondrial-like
XP_005170024.1	glutamine and serine-rich protein 1-like
AGN52748.1	glutamine synthetase
XP_002944531.2	glutamine synthetase isoform X1
XP_003642300.1	glutamine synthetase-like isoform X1
NP_001092723.1	glutamine-dependent NAD(+) synthetase
XP_006642713.1	glutamine-dependent NAD(+) synthetase-like
XP_006625541.1	glutamine--fructose-6-phosphate aminotransferase isomerizing 1-like
XP_004544356.1	glutamine--fructose-6-phosphate aminotransferase isomerizing 1-like
XP_005242852.1	glutamine--fructose-6-phosphate aminotransferase isomerizing 2
EMP26595.1	Glutamine-rich protein 1
XP_006635391.1	glutamine-rich protein 2-like
XP_003217895.1	glutamine--tRNA ligase
XP_005448788.1	glutamine--tRNA ligase-like isoform X2
NP_001038418.1	glutaminyl-peptide cyclotransferase
XP_006627681.1	glutaminyl-peptide cyclotransferase-like
XP_001921878.1	glutaminyl-peptide cyclotransferase-like protein-like
AAT68085.1	glutaminyl-tRNA synthetase
XP_005156605.1	glutamyl aminopeptidase isoform X1
NP_001112370.1	glutamyl-tRNA(Gln) amidotransferase subunit A, mitochondrial
NP_001013464.2	glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial-like
XP_687267.2	glutamyl-tRNA(Gln) amidotransferase subunit C, mitochondrial
XP_002664501.1	glutaredoxin domain-containing cysteine-rich protein 1-like
XP_005926472.1	glutaredoxin domain-containing cysteine-rich protein 2-like isoform X1
NP_001188247.1	glutaredoxin-1
XP_004751763.1	glutaredoxin-3 isoform X1
XP_006073416.1	glutaredoxin-like protein C5orf63 homolog isoform X1
NP_998186.1	glutaredoxin-related protein 5, mitochondrial
XP_005814926.1	glutaryl-CoA dehydrogenase, mitochondrial-like
XP_006805112.1	glutaryl-CoA dehydrogenase, mitochondrial-like isoform X1
NP_001187670.2	glutathione peroxidase 1
NP_001131027.1	glutathione peroxidase 3 (plasma) precursor
NP_001018337.1	glutathione peroxidase 7 precursor
EPQ06374.1	Glutathione reductase, mitochondrial
XP_005946657.1	glutathione S-transferase A-like
NP_001019633.1	glutathione S-transferase C-terminal domain-containing protein
XP_005940089.1	glutathione S-transferase C-terminal domain-containing protein-like
ADO28199.1	glutathione S-transferase kappa 1
NP_997841.1	glutathione S-transferase M
ACQ58211.1	Glutathione S-transferase Mu 3
XP_004077139.1	glutathione S-transferase omega-1-like
ACT34093.1	Glutathione S-transferase theta-1
XP_005749243.1	glutathione S-transferase theta-1-like
NP_001006104.1	glutathione synthetase
ABV24050.1	glutathione S-transferase zeta
NP_001187937.1	glyceraldehyde 3-phosphate dehydrogenase testis-specific
AGI03832.1	glyceraldehyde-3-phosphate dehydrogenase

NP_998259.1 glycerinaldehyde-3-phosphate dehydrogenase 2
 NP_001167229.1 Glycerol kinase, testis specific 1
 XP_003203077.1 glycerol kinase-like
 XP_005452422.1 glycerol kinase-like isoform X1
 XP_002664023.2 glycerol-3-phosphate acyltransferase 1, mitochondrial
 XP_005169139.1 glycerol-3-phosphate acyltransferase 2, mitochondrial isoform X1
 XP_004072325.1 glycerol-3-phosphate acyltransferase 2, mitochondrial-like
 XP_006627216.1 glycerol-3-phosphate acyltransferase 3-like
 NP_001035339.2 glycerol-3-phosphate acyltransferase 4
 XP_006625373.1 glycerol-3-phosphate acyltransferase 4-like
 XP_005814968.1 glycerol-3-phosphate acyltransferase 4-like, partial
 NP_001017709.1 glycerol-3-phosphate dehydrogenase 1a
 XP_005161721.1 glycerol-3-phosphate dehydrogenase 1b isoform X1
 NP_001005934.1 glycerol-3-phosphate dehydrogenase 1-like protein
 XP_005513453.1 glycerol-3-phosphate dehydrogenase 1-like protein isoform X1
 XP_004070862.1 glycerol-3-phosphate dehydrogenase NAD(+), cytoplasmic-like
 NP_001038813.1 glycerol-3-phosphate dehydrogenase, mitochondrial
 XP_005165897.1 glycerol-3-phosphate dehydrogenase, mitochondrial isoform X1
 XP_005165900.1 glycerol-3-phosphate dehydrogenase, mitochondrial isoform X4
 NP_001007440.1 glycerol-3-phosphate transporter
 XP_005030517.1 glycerol-3-phosphate transporter isoform X6
 XP_004572024.1 glycerol-3-phosphate transporter-like isoform X1
 XP_006626000.1 glycerophosphocholine phosphodiesterase GPCPD1-like
 NP_956537.1 glycerophosphodiester phosphodiesterase 1
 NP_998366.1 glycerophosphodiester phosphodiesterase domain containing 1 like
 NP_001004118.1 glycerophosphodiester phosphodiesterase domain-containing protein 1
 XP_003964517.1 glycerophosphodiester phosphodiesterase domain-containing protein 1-like
 XP_003449356.1 glycerophosphodiester phosphodiesterase domain-containing protein 1-like isoform X1
 XP_005468360.1 glycerophosphodiester phosphodiesterase domain-containing protein 3-like isoform X2
 XP_682806.3 glycerophosphodiester phosphodiesterase domain-containing protein 5-like
 XP_689132.3 glycerophosphodiester phosphodiesterase domain-containing protein 5-like isoform X3
 XP_002665330.3 glycerophosphodiester phosphodiesterase domain-containing protein 5-like, partial
 XP_005173341.1 glycerophosphoinositol inositolphosphodiesterase GDPD2 isoform X1
 XP_003445215.1 glycerophosphoinositol inositolphosphodiesterase GDPD2-like isoform X1
 XP_003209534.1 glycine amidinotransferase, mitochondrial-like
 NP_955848.1 glycine dehydrogenase decarboxylating, mitochondrial
 ADO27976.1 glycine n-acyltransferase
 NP_997981.1 glycine N-methyltransferase
 XP_006161843.1 glycine receptor subunit alpha-2 isoform X2
 NP_001161371.1 glycine receptor subunit alpha-2 precursor
 ETE63714.1 Glycine receptor subunit alpha-3, partial
 XP_006630148.1 glycine receptor subunit alpha-3-like
 XP_005808690.1 glycine receptor subunit alphaZ1-like, partial
 EPY87961.1 glycine receptor subunit beta
 XP_006629541.1 glycine receptor subunit beta-like
 AAI63529.1 Glycine receptor, alpha 3
 NP_001189440.1 glycine receptor, alpha 4b precursor
 NP_196374.1 glycine/proline-rich protein
 NP_001007492.1 glycine-tRNA ligase
 XP_006634255.1 glycine-tRNA ligase-like
 EMP33184.1 Glycogen debranching enzyme
 XP_006000067.1 glycogen debranching enzyme isoform X1
 EHH65616.1 Glycogen phosphorylase, brain form
 XP_004781292.1 glycogen phosphorylase, brain form isoform X3
 XP_006638744.1 glycogen phosphorylase, brain form-like isoform X1
 XP_006899257.1 glycogen phosphorylase, liver form isoform X2
 XP_003442910.1 glycogen phosphorylase, liver form-like isoform 1
 NP_001018464.1 glycogen phosphorylase, muscle form
 XP_006809912.1 glycogen phosphorylase, muscle form-like
 EMP25029.1 Glycogen starch synthase, liver
 XP_006633256.1 glycogen starch synthase, liver-like
 NP_957474.1 glycogen starch synthase, muscle
 XP_003964554.1 glycogen starch synthase, muscle-like
 XP_007072766.1 glycogen synthase kinase 3 beta
 NP_001027597.1 glycogen synthase kinase alpha/beta
 XP_006810332.1 glycogen synthase kinase-3 alpha-like, partial
 XP_005231172.1 glycogen synthase kinase-3 beta
 XP_006036608.1 glycogen synthase kinase-3 beta isoform X1
 XP_006166046.1 glycogen synthase kinase-3 beta isoform X2
 XP_004551434.1 glycogen synthase kinase-3 beta-like isoform X1
 XP_004551435.1 glycogen synthase kinase-3 beta-like isoform X2
 AGS58233.1 glycogen synthase kinase-3 beta-like protein
 ADO28088.1 glycogenin-1
 XP_003199759.2 glycogenin-1-like
 NP_001139048.1 glycogenin-2
 NP_001093458.1 glycolipid transfer protein
 ADO28236.1 glycolipid transfer protein domain-containing protein 1
 XP_001342223.1 glycolipid transfer protein domain-containing protein 1-like
 XP_697186.1 glycolipid transfer protein-like

CAA32093.1	glycophorin C
AAW71996.1	glycoprotein A repetitions predominant precursor
NP_001004566.2	glycoprotein endo-alpha-1,2-mannosidase
XP_006626290.1	glycoprotein endo-alpha-1,2-mannosidase-like
NP_001038579.1	glycoprotein endo-alpha-1,2-mannosidase-like protein
XP_006631319.1	glycoprotein endo-alpha-1,2-mannosidase-like protein-like
AHK05981.1	glycoprotein hormone alpha subunit
XP_003977978.1	glycoprotein hormone alpha-2-like
NP_001073305.1	glycoprotein integral membrane protein 1 precursor
NP_982251.1	glycoprotein M6Ba
XP_005162312.1	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1-A isoform X1
XP_005166075.1	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1-B isoform X1
NP_001038283.1	glycosaminoglycan xylosylkinase
XP_007188286.1	glycosaminoglycan xylosylkinase isoform X1
XP_003975335.1	glycosylphosphatidylinositol anchor attachment 1 protein-like
XP_005912718.1	glycosylphosphatidylinositol anchor attachment 1 protein-like isoform X1
XP_005912721.1	glycosylphosphatidylinositol anchor attachment 1 protein-like isoform X4
XP_006630699.1	glycosyltransferase 8 domain-containing protein 1-like
ADO27988.1	glycosyltransferase 8 domain-containing protein 2
XP_005167614.1	glycosyltransferase-like domain containing 1 isoform X1
NP_001004537.1	glycosyltransferase-like protein LARGE1
XP_005730247.1	glycosyltransferase-like protein LARGE1-like
XP_004082928.1	glycosyltransferase-like protein LARGE1-like isoform 1
XP_006633554.1	glycosyltransferase-like protein LARGE1-like isoform X1
NP_001004538.1	glycosyltransferase-like protein LARGE2
XP_004566453.1	glycosyltransferase-like protein LARGE2-like
XP_006638155.1	glycylpeptide N-tetradecanoyltransferase 1-like
XP_004071312.1	glycylpeptide N-tetradecanoyltransferase 1-like isoform 2
NP_001186683.1	glycylpeptide N-tetradecanoyltransferase 2
XP_006636068.1	glycylpeptide N-tetradecanoyltransferase 2-like isoform X1
CBN81988.1	Glycyl-tRNA synthetase
ADO28274.1	glyoxal reductase
ADO28386.1	glyoxalase domain-containing protein 4
NP_001187384.1	glyoxylate reductase/hydroxypyruvate reductase
XP_005741228.1	glyoxylate reductase/hydroxypyruvate reductase-like
NP_957314.1	glypican 1b precursor
AHA87025.1	glypican 5a
AHA87027.1	glypican 5c, partial
NP_001032450.1	glypican-1 precursor
XP_688014.3	glypican-3
XP_005045979.1	glypican-4
NP_571935.2	glypican-4 precursor
XP_005161750.1	glypican-5-like
XP_005932757.1	glypican-5-like isoform X1
NP_001103189.1	glypican-6 precursor
XP_006627386.1	glypican-6-like
XP_003445813.2	glypican-6-like isoform X1
NP_001018448.1	GMP reductase 1
XP_005728520.1	GMP reductase 1-like isoform X1
NP_001187640.1	GMP reductase 2
NP_956881.2	GMP synthase
EMP28965.1	GMP synthase glutamine-hydrolyzing
XP_006637514.1	GMP synthase glutamine-hydrolyzing-like
XP_006799914.1	GMP synthase glutamine-hydrolyzing-like isoform X2
Q6DBU5.1	GMPBPB_DANRE RecName: Full=Mannose-1-phosphate guanylyltransferase beta; AltName: Full=GDP-mannose pyrophosphorylase B; AltName: Full=GTP-mannose-1-phosphate guanylyltransferase beta
P29797.1	GNAS_PIG RecName: Full=Guanine nucleotide-binding protein G(s) subunit alpha; AltName: Full=Adenylate cyclase-stimulating G alpha protein
AAH45452.1	Gnl2 protein
AAI08045.1	Gnl3 protein
O42329.2	GNRR2_CLAGA RecName: Full=Gonadotropin-releasing hormone II receptor; Short=GnRH II receptor; Short=GnRH-II-R; AltName: Full=Type II GnRH receptor
NP_001188001.1	Golgi apparatus membrane protein TVP23 homolog B
XP_005163270.1	Golgi apparatus protein 1 isoform X2
XP_005163272.1	Golgi apparatus protein 1 isoform X4
EMP29815.1	Golgi apparatus protein 1, partial
XP_003969806.1	Golgi apparatus protein 1-like
XP_005449317.1	Golgi apparatus protein 1-like isoform X2
XP_006637628.1	Golgi integral membrane protein 4-like
XP_004689643.1	Golgi pH regulator-like isoform X2
XP_005413507.1	Golgi pH regulator-like isoform X3
XP_005436989.1	Golgi phosphoprotein 3
NP_956997.1	Golgi reassembly-stacking protein 2
XP_006636658.1	Golgi reassembly-stacking protein 2-like
NP_001082856.1	Golgi resident protein GCP60
ADO27849.1	golgi snap receptor complex member 1
XP_005474750.1	Golgi SNAP receptor complex member 1-like isoform X2
XP_006798272.1	Golgi SNAP receptor complex member 2-like

NP_001006159.1 Golgi to ER traffic protein 4 homolog
 NP_956851.1 Golgi-associated PDZ and coiled-coil motif-containing protein
 NP_001005978.1 Golgi-associated plant pathogenesis-related protein 1
 XP_005169138.1 Golgin subfamily A member 1 isoform X2
 XP_005168139.1 Golgin subfamily A member 2 isoform X1
 XP_005930178.1 golgin subfamily A member 2-like isoform X1
 NP_001122017.1 Golgin subfamily A member 3
 XP_005165138.1 Golgin subfamily A member 3 isoform X1
 XP_005167973.1 golgin subfamily A member 4 isoform X2
 XP_006637078.1 golgin subfamily A member 4-like
 NP_998576.1 Golgin subfamily A member 5
 XP_006798659.1 golgin subfamily A member 5-like
 XP_003755270.1 golgin subfamily A member 7B
 XP_005164965.1 golgin subfamily B member 1 isoform X2
 XP_005944163.1 golgin subfamily B member 1-like isoform X1
 XP_005944165.1 golgin subfamily B member 1-like isoform X3
 NP_001138275.1 Golgin-45
 XP_005806807.1 golgin-45-like
 XP_694714.5 golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1
 XP_006630650.1 golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1-like
 NP_001018301.1 goliath homolog

 P33439.2 GON1_CLAGA RecName: Full=Progonadoliberin-1; AltName: Full=Progonadoliberin I; Contains: RecName: Full=Gonadoliberin-1; AltName: Full=Gonadoliberin I; AltName: Full=Gonadotropin-releasing hormone I; Short=GnRH-I; AltName: Full=Luliberin I; AltName: Full=Luteinizing hormone-releasing hormone I; Short=LH-RH I; Contains: RecName: Full=GnRH-associated peptide 1; AltName: Full=GnRH-associated peptide I; Flags: Precursor

 NP_001188464.1 GON-4-like protein
 AGA54135.1 gonadal soma derived factor 1
 BAG66037.1 goosefish kalliklectin
 Q90X46.2 GP161_DANRE RecName: Full=G-protein coupled receptor 161
 NP_001003473.1 GPALPP motifs containing 1
 AAI03489.1 Gpatch1 protein
 F1QCC6.1 GPC1_DANRE RecName: Full=Glypican-1; Contains: RecName: Full=Secreted glypican-1; Flags: Precursor
 Q9PW88.1 GPC6A_CARAU RecName: Full=G-protein coupled receptor family C group 6 member A; AltName: Full=Odorant receptor 5.24; Flags: Precursor
 XP_005162759.1 GPI ethanolamine phosphate transferase 1 isoform X1
 XP_005471796.1 GPI ethanolamine phosphate transferase 1 isoform X2
 XP_003199883.1 GPI ethanolamine phosphate transferase 2 isoform X1
 XP_005173129.1 GPI ethanolamine phosphate transferase 2 isoform X2
 XP_006781914.1 GPI ethanolamine phosphate transferase 2-like
 XP_692445.3 GPI ethanolamine phosphate transferase 3
 XP_001922432.2 GPI inositol-deacylase
 XP_004559146.1 GPI inositol-deacylase-like
 CBN81774.1 GPI mannosyltransferase 1
 XP_003966105.1 GPI mannosyltransferase 2-like
 XP_003442392.1 GPI mannosyltransferase 3-like
 NP_001070082.1 GPI transamidase component PIG-S
 XP_005162037.1 GPI transamidase component PIG-T isoform X2
 XP_684608.1 GPI transamidase component PIG-T isoform X3
 XP_005809000.1 GPI transamidase component PIG-T-like
 XP_006634829.1 GPI-anchor transamidase-like
 XP_005476751.1 GPI-anchor transamidase-like isoform X3
 XP_005172331.1 GPI-anchored membrane protein 1 isoform X1
 XP_005172332.1 GPI-anchored membrane protein 1 isoform X2
 ADO27762.1 gpn-loop GTPase 1
 NP_001187355.1 GPN-loop GTPase 2
 XP_005253953.1 GPN-loop GTPase 3 isoform X2
 AGP05313.1 Gpr125
 NP_001025429.1 Gpr7
 ADG85669.1 GPR81-like protein 3
 ADG85670.1 GPR81-like protein 4
 AAR25617.1 G-protein alpha 13a
 ACB97665.1 G-protein beta subunit
 ELW49179.1 G-protein coupled bile acid receptor 1
 NP_001122195.1 G-protein coupled estrogen receptor 1
 NP_001082996.1 G-protein coupled purinergic receptor P2Y10
 XP_689189.6 G-protein coupled receptor 124, partial
 XP_004544345.1 G-protein coupled receptor 124-like
 NP_001156763.1 G-protein coupled receptor 126 precursor
 XP_006643033.1 G-protein coupled receptor 126-like
 XP_005732834.1 G-protein coupled receptor 126-like isoform X2
 XP_005162795.1 G-protein coupled receptor 12-like
 XP_002666122.1 G-protein coupled receptor 12-like isoform X1
 XP_005169192.1 G-protein coupled receptor 143
 NP_001018314.1 G-protein coupled receptor 182
 XP_005802001.1 G-protein coupled receptor 182-like
 ADO28221.1 G-protein coupled receptor 183-a

XP_006639014.1 G-protein coupled receptor 183-like
 XP_002665501.1 G-protein coupled receptor 20-like
 XP_006629678.1 G-protein coupled receptor 26-like
 ABU53897.1 G-protein coupled receptor 39-1a
 XP_003962194.1 G-protein coupled receptor 39-like
 XP_005172118.1 G-protein coupled receptor 4-like
 XP_003760895.1 G-protein coupled receptor 54-like
 XP_005168498.1 G-protein coupled receptor 55-like
 XP_005163624.1 G-protein coupled receptor 55-like isoform X1
 XP_692337.5 G-protein coupled receptor 64
 XP_005166671.1 G-protein coupled receptor 64-like
 XP_005916979.1 G-protein coupled receptor 64-like isoform X3
 XP_003200829.1 G-protein coupled receptor 6-like
 XP_005166061.1 G-protein coupled receptor 84 isoform X1
 XP_006637558.1 G-protein coupled receptor 87-like
 XP_005165568.1 G-protein coupled receptor 98 isoform X1
 NP_001001845.1 G-protein coupled receptor 98 precursor
 XP_003975291.1 G-protein coupled receptor 98-like
 XP_005815576.1 G-protein coupled receptor 98-like, partial
 XP_005160220.1 G-protein coupled receptor family C group 5 member B-like isoform X1
 NP_001103183.1 G-protein coupled receptor family C group 5 member C precursor
 NP_001186897.1 G-protein coupled receptor family C group 6 member A-like
 XP_005745692.1 G-protein coupled receptor family C group 6 member A-like, partial
 BAF63408.1 G-protein gamma subunit 8
 NP_001005936.1 G-protein signaling modulator 2, like
 AAP04310.1 G-protein-coupled receptor GPR34 type 1
 AAX69079.1 G-protein-coupled receptor kinase 1a
 AAX69081.1 G-protein-coupled receptor kinase 7a
 NP_001007779.1 G-protein-signaling modulator 1
 XP_006640731.1 G-protein-signaling modulator 1-like
 XP_005720488.1 G-protein-signaling modulator 1-like isoform X1
 XP_005173539.1 grainyhead-like 2a isoform X1
 XP_001923763.1 grainyhead-like protein 1 homolog isoform X1
 XP_005158797.1 grainyhead-like protein 1 homolog isoform X4
 NP_001076541.1 grainyhead-like protein 2 homolog
 XP_005627890.1 grainyhead-like protein 2 homolog isoform X1
 XP_004850284.1 grainyhead-like protein 2 homolog isoform X2
 EHB18265.1 Grainyhead-like protein 2-like protein
 XP_005158320.1 GRAM domain-containing protein 1A isoform X2
 XP_005158321.1 GRAM domain-containing protein 1A isoform X3
 XP_004078584.1 GRAM domain-containing protein 1A-like
 XP_002665458.3 GRAM domain-containing protein 1B
 XP_005058808.1 GRAM domain-containing protein 1B isoform X3
 XP_005058811.1 GRAM domain-containing protein 1B isoform X6
 XP_004086529.1 GRAM domain-containing protein 1B-like
 XP_004544016.1 GRAM domain-containing protein 1B-like isoform X1
 XP_004544018.1 GRAM domain-containing protein 1B-like isoform X3
 XP_004544021.1 GRAM domain-containing protein 1B-like isoform X6
 XP_004544024.1 GRAM domain-containing protein 1B-like isoform X9
 XP_005162787.1 GRAM domain-containing protein 1C isoform X3
 XP_005162788.1 GRAM domain-containing protein 1C isoform X4
 XP_005912320.1 GRAM domain-containing protein 1C-like
 XP_005166658.1 GRAM domain-containing protein 2
 XP_005174275.1 GRAM domain-containing protein 2-like
 XP_005455725.1 GRAM domain-containing protein 2-like isoform X2
 XP_005455726.1 GRAM domain-containing protein 2-like isoform X3
 XP_004550016.1 GRAM domain-containing protein 3-like
 XP_003198332.2 GRAM domain-containing protein 4 isoform X1
 XP_005163099.1 GRAM domain-containing protein 4 isoform X3
 XP_006633501.1 GRAM domain-containing protein 4-like isoform X2
 XP_005915765.1 GRAM domain-containing protein 4-like isoform X4
 XP_005451813.1 GRAM domain-containing protein 4-like isoform X5
 NP_001134047.1 Grancalcin
 XP_006636608.1 grancalcin-like
 AAI53544.1 Granulin 1
 XP_005174244.1 granulin b isoform X1
 XP_005164024.1 granulins isoform X4
 XP_005164025.1 granulins isoform X5
 XP_005164028.1 granulins isoform X8
 XP_006002690.1 granulins-like
 NP_001094418.2 granulito
 AEI83864.1 granulocyte colony stimulating factor receptor
 XP_006631441.1 granulocyte colony-stimulating factor receptor-like
 NP_001187138.1 granzyme-like I precursor
 AAX36078.1 granzyme-like II, partial
 NP_956463.1 GRB2-associated and regulator of MAPK protein
 XP_002665828.1 GRB2-associated and regulator of MAPK protein-like
 XP_005160024.1 GRB2-associated-binding protein 1 isoform X1
 XP_003972460.1 GRB2-associated-binding protein 1-like

XP_006629565.1	GRB2-associated-binding protein 1-like isoform X1
XP_692935.3	GRB2-associated-binding protein 2
XP_001337715.5	GRB2-associated-binding protein 3
ADO28067.1	grb2-related adapter protein
ADO27930.1	grb2-related adapter protein 2
NP_001017756.1	GRB2-related adaptor protein 2
NP_998017.1	gremlin 1 homolog a, cysteine knot superfamily precursor
XP_005806209.1	gremlin-1-like isoform X1
NP_001187848.1	gremlin-2 precursor
XP_005158738.1	gremlin-2-like
NP_001135339.1	G-rich sequence factor 1
XP_005156959.1	GRIN2-like protein-like isoform X1
XP_005164792.1	GRIP and coiled-coil domain-containing protein 1 isoform X1
XP_004031625.1	GRIP and coiled-coil domain-containing protein 2
XP_006638088.1	GRIP and coiled-coil domain-containing protein 2-like
XP_003199139.1	GRIP and coiled-coil domain-containing protein 2-like isoform X1
NP_001116792.1	GRIP1-associated protein 1
ETE70033.1	GRIP1-associated protein 1, partial
XP_005673673.1	GRIP1-associated protein 1-like
AAH96854.1	Grnb protein
XP_005169114.1	group 3 secretory phospholipase A2-like
AHG99396.1	group III secreted phospholipase A2-3A1
XP_002195116.1	group XIIA secretory phospholipase A2
NP_998595.2	group XIIB secretory phospholipase A2-like protein precursor
XP_004069786.1	group XV phospholipase A2-like
XP_001337468.1	growth arrest and DNA damage-inducible protein GADD45 gamma-like
XP_004072041.1	growth arrest and DNA damage-inducible proteins-interacting protein 1-like
ACO13213.1	Growth arrest and DNA-damage-inducible proteins-interacting protein 1
NP_001012386.1	growth arrest and DNA-damage-inducible, beta b
NP_001104690.1	growth arrest-specific 1a precursor
NP_001071269.1	growth arrest-specific 1b
XP_005447732.1	growth arrest-specific protein 1-like
XP_002628883.1	growth arrest-specific protein 2
XP_005450886.1	growth arrest-specific protein 2-like isoform X1
NP_956272.1	growth arrest-specific protein 6 precursor
XP_004543393.1	growth arrest-specific protein 6-like
NP_001265748.1	growth arrest-specific protein 7
XP_006635173.1	growth arrest-specific protein 7-like isoform X2
XP_005740013.1	growth arrest-specific protein 7-like isoform X3
XP_003800891.1	growth arrest-specific protein 8
NP_001165060.1	growth differentiation factor 10b precursor
BAH23446.1	growth differentiation factor 15
XP_005171226.1	growth factor independent 1aa isoform X1
XP_690519.4	growth factor receptor-bound protein 10 isoform X3
NP_001004287.1	growth factor receptor-bound protein 10a
XP_005453035.1	growth factor receptor-bound protein 14 isoform X3
XP_006636606.1	growth factor receptor-bound protein 14-like
XP_002661994.2	growth factor receptor-bound protein 14-like isoform X1
XP_003201390.1	growth factor receptor-bound protein 7-like
AEW22781.1	growth hormone receptor
NP_001187143.1	growth hormone receptor precursor
NP_001124524.1	growth hormone releasing hormone receptor a precursor
NP_001187251.1	growth hormone secretagogue receptor 2a
XP_003200834.1	growth hormone secretagogue receptor type 1-like
XP_006791148.1	growth hormone-inducible transmembrane protein-like
XP_006780410.1	growth hormone-regulated TBC protein 1-A-like
XP_004543404.1	growth hormone-regulated TBC protein 1-A-like isoform X1
ABJ55978.1	growth hormone-releasing hormone receptor
XP_003974090.1	growth hormone-releasing hormone receptor-like
XP_001344452.4	growth regulation by estrogen in breast cancer-like
XP_005804313.1	growth/differentiation factor 11-like
XP_006639737.1	growth/differentiation factor 5-like
XP_694563.2	growth/differentiation factor 6-A
NP_001153466.1	growth/differentiation factor 6-A precursor
XP_006635621.1	growth/differentiation factor 6-A-like
NP_571062.1	growth/differentiation factor 6-B precursor
NP_001275592.1	grpE protein homolog 2, mitochondrial-like
NP_001012251.1	GS homeobox 1
NP_001020683.1	GS homeobox 2
XP_005158931.1	GSK3-beta interaction protein isoform X1
ACO08828.1	GSK-3-binding protein
AAI25893.1	Gsna protein
AAH67599.1	GTP binding protein 4
ETS63544.1	gtp binding protein cdc42
ACO07875.1	GTP cyclohydrolase 1 feedback regulatory protein
XP_006014815.1	GTP cyclohydrolase 1-like
NP_998295.2	GTP:AMP phosphotransferase AK3, mitochondrial
XP_006627234.1	GTP:AMP phosphotransferase AK3, mitochondrial-like
NP_001122219.1	GTPase Era, mitochondrial

XP_003456182.1	GTPase Era, mitochondrial-like isoform X1
XP_006230598.1	GTPase HRas isoform X3
XP_003440453.1	GTPase HRas-like isoform X1
XP_005158042.1	GTPase IMAP family member 4
XP_002666654.1	GTPase IMAP family member 4-like
ACI69703.1	GTPase IMAP family member 7
XP_001919203.2	GTPase IMAP family member 7-like
XP_002661284.1	GTPase IMAP family member 7-like isoform X1
XP_005158058.1	GTPase IMAP family member 7-like, partial
XP_002664713.3	GTPase IMAP family member 8
XP_003198273.2	GTPase IMAP family member 8-like
XP_001919486.4	GTPase IMAP family member 8-like isoform X1
XP_689354.4	GTPase IMAP family member 8-like isoform X5
XP_006643408.1	GTPase IMAP family member 8-like, partial
ERE66117.1	GTPase KRas-like isoform 2
XP_005076727.1	GTPase NRas
XP_001656384.1	gtpase_rho
XP_004313503.1	GTPase-activating protein and VPS9 domain-containing protein 1
XP_005167215.1	GTPase-activating protein and VPS9 domain-containing protein 1 isoform X2
XP_003445586.1	GTPase-activating protein and VPS9 domain-containing protein 1-like
XP_005169135.1	GTPase-activating protein and VPS9 domain-containing protein 1-like isoform X2
XP_005231477.1	GTPase-activating Rap/Ran-GAP domain-like protein 3-like
XP_005171945.1	GTPase-activating Rap/Ran-GAP domain-like protein 3-like isoform X2
ADO28331.1	GTP-binding nuclear protein ran
XP_005164057.1	GTP-binding protein 1 isoform X2
NP_001002454.1	GTP-binding protein 10
XP_005734576.1	GTP-binding protein 1-like isoform X1
NP_001038661.1	GTP-binding protein 2
XP_005914153.1	GTP-binding protein 2-like
NP_001119874.1	GTP-binding protein 8 precursor
NP_001070112.1	GTP-binding protein ARD-1
XP_005155659.1	GTP-binding protein ARD-1 isoform X1
XP_006641281.1	GTP-binding protein RAD-like
XP_005169331.1	GTP-binding protein REM 1 isoform X1
XP_006639712.1	GTP-binding protein REM 1-like
NP_957023.1	GTP-binding protein Rheb
XP_003972065.1	GTP-binding protein Rhes-like
NP_001122253.1	GTP-binding protein Rit1
EMP40604.1	GTP-binding protein SAR1a
XP_005156896.1	GTP-binding protein SAR1a isoform X1
NP_001187541.1	guanine nucleotide exchange factor DBS
AAH56730.1	guanine nucleotide exchange factor DBS isoform X1
XP_005170506.1	guanine nucleotide exchange factor DBS isoform X2
NP_957122.1	guanine nucleotide exchange factor DBS isoform X4
XP_003980688.2	guanine nucleotide exchange factor DBS isoform X5
NP_998367.1	guanine nucleotide exchange factor DBS-like
CAK04851.1	guanine nucleotide exchange factor DBS-like isoform X1
XP_001921389.4	guanine nucleotide exchange factor DBS-like isoform X2
XP_001922183.4	guanine nucleotide exchange factor DBS-like isoform X3
XP_005171063.1	guanine nucleotide exchange factor DBS-like isoform X6
XP_005171065.1	guanine nucleotide exchange factor for Rab-3A-like isoform X2
XP_005171066.1	guanine nucleotide exchange factor for Rab-3A-like isoform X3
XP_005989482.1	guanine nucleotide exchange factor for Rab-3A-like isoform X4
XP_004553000.1	guanine nucleotide exchange factor mss4
XP_005155449.1	guanine nucleotide exchange factor VAV2
XP_005940513.1	guanine nucleotide exchange factor VAV2 isoform X5
XP_004551313.1	guanine nucleotide exchange factor VAV2-like
XP_005170720.1	guanine nucleotide exchange factor VAV3
XP_005470668.1	guanine nucleotide exchange factor VAV3-like
XP_005470669.1	guanine nucleotide-binding protein G(i) subunit alpha-1
NP_001187603.1	guanine nucleotide-binding protein G(i) subunit alpha-2
XP_002666022.2	guanine nucleotide-binding protein G(i) subunit alpha-2-like
XP_005470447.1	guanine nucleotide-binding protein G(i) subunit alpha-2-like isoform X1
XP_004075103.1	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12-like
CBN81795.1	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13-like
XP_006806389.1	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7 isoform X1
NP_001187266.1	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1-like
XP_003762350.1	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-3
XP_005796973.1	guanine nucleotide-binding protein G(o) subunit alpha
XP_005030351.1	guanine nucleotide-binding protein G(o) subunit alpha-like
XP_002661150.2	guanine nucleotide-binding protein G(o) subunit alpha-like isoform X4
XP_003446468.1	guanine nucleotide-binding protein G(olf) subunit alpha isoform X1
XP_005171343.1	
XP_006642037.1	
NP_001002437.1	
NP_957081.1	
XP_005925139.1	
XP_005795842.1	
XP_005486768.1	

XP_004555313.1	guanine nucleotide-binding protein G(olf) subunit alpha-like
XP_005582035.1	guanine nucleotide-binding protein G(q) subunit alpha isoform X2
XP_003921011.1	guanine nucleotide-binding protein G(q) subunit alpha, partial
XP_004072614.1	guanine nucleotide-binding protein G(q) subunit alpha-like
XP_003702528.1	guanine nucleotide-binding protein G(q) subunit alpha-like isoform 5
XP_004555030.1	guanine nucleotide-binding protein G(q) subunit alpha-like isoform X1
XP_005920874.1	guanine nucleotide-binding protein G(q) subunit alpha-like isoform X3
XP_005392275.1	guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas isoform X3
XP_002195528.2	guanine nucleotide-binding protein G(s) subunit alpha-like
XP_005800168.1	guanine nucleotide-binding protein G(s) subunit alpha-like isoform X1
XP_005600697.1	guanine nucleotide-binding protein G(t) subunit alpha-1 isoform X2
XP_005914964.1	guanine nucleotide-binding protein G(t) subunit alpha-2-like isoform X1
ELW49657.1	Guanine nucleotide-binding protein G(z) subunit alpha
ACO09348.1	Guanine nucleotide-binding protein GI/GS/GO gamma-3 subunit precursor
NP_001007774.1	guanine nucleotide-binding protein subunit alpha-11
ELV09273.1	Guanine nucleotide-binding protein subunit alpha-11, partial
NP_001013295.1	guanine nucleotide-binding protein subunit alpha-12
XP_006635205.1	guanine nucleotide-binding protein subunit alpha-13-like
XP_005509626.1	guanine nucleotide-binding protein subunit alpha-14
XP_003974268.1	guanine nucleotide-binding protein subunit beta-4-like
XP_004067462.1	guanine nucleotide-binding protein subunit beta-5-like
NP_001013526.1	guanine nucleotide-binding protein subunit beta-like protein 1
NP_001070721.1	guanine nucleotide-binding protein-like 1
XP_004069207.1	guanine nucleotide-binding protein-like 3-like
NP_001002875.1	guanine nucleotide-binding protein-like 3-like protein
NP_001187852.1	guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1
NP_001002343.1	guanylate binding protein 1
NP_001087693.2	guanylate binding protein 7
XP_002664027.2	guanylate cyclase 2G-like
BAH28865.1	guanylate cyclase activating protein 1
BAH28866.1	guanylate cyclase activating protein 2
BAH28870.1	guanylate cyclase activating protein 7
NP_001011660.1	guanylate cyclase activator 1g
BAH28864.1	guanylate cyclase retinal cone
BAH28862.1	guanylate cyclase retinal rod1
XP_005173478.1	guanylate cyclase soluble subunit alpha-2-like
XP_005170976.1	guanylate cyclase soluble subunit alpha-3 isoform X1
XP_006629590.1	guanylate cyclase soluble subunit alpha-3-like
NP_001238874.1	guanylate cyclase soluble subunit beta-1
XP_005726846.1	guanylate cyclase soluble subunit beta-1-like
XP_685297.5	guanylate cyclase soluble subunit beta-2-like
NP_001187564.1	guanylate kinase
XP_003975428.1	guanylate kinase-like
XP_007053207.1	guanylin-like
XP_005165318.1	guanylyl cyclase 3 isoform X1
XP_006809650.1	guanylyl cyclase GC-E-like
NP_571945.1	guanylyl cyclase-activating protein 1
XP_004558139.1	guanylyl cyclase-activating protein 2-like
AAI55060.1	Gucal d protein
Q6DBX4.1	GWL_DANRE RecName: Full=Serine/threonine-protein kinase greatwall; Short=GW; Short=GWL; AltName: Full=Microtubule-associated serine/threonine-protein kinase-like; Short=MAST-L
NP_571856.1	glycine receptor, beta a precursor
XP_005189294.1	gypsy retrotransposon integrase-like protein 1-like
XP_005807300.1	H(+)/Cl(-) exchange transporter 3-like isoform X3
XP_001920783.2	H(+)/Cl(-) exchange transporter 5-like
XP_005164003.1	H(+)/Cl(-) exchange transporter 7 isoform X1
XP_003964536.1	H(+)/Cl(-) exchange transporter 7-like
XP_005950926.1	H(+)/Cl(-) exchange transporter 7-like isoform X1
XP_696744.2	H/ACA ribonucleoprotein complex non-core subunit NAF1
XP_006881211.1	H/ACA ribonucleoprotein complex subunit 1
XP_006629890.1	H/ACA ribonucleoprotein complex subunit 1-like
ADO27880.1	h/aca ribonucleoprotein complex subunit 2-like protein
NP_001003868.1	H/ACA ribonucleoprotein complex subunit 3
AAH83463.1	H1m protein, partial
XP_005731151.1	H2.0-like homeobox protein-like isoform X1
NP_001020673.1	H2A histone family, member Y-like
Q56UJ5.2	H6S1A_DANRE RecName: Full=Heparan-sulfate 6-O-sulfotransferase 1-A; Short=HS 6-OST-1A; Short=HS6ST-1
Q800H9.2	H6ST2_DANRE RecName: Full=Heparan-sulfate 6-O-sulfotransferase 2; Short=HS 6-OST-2; Short=HS6ST-2
F8W2M1.2	HACE1_DANRE RecName: Full=E3 ubiquitin-protein ligase HACE1; AltName: Full=HECT domain and ankyrin repeat-containing E3 ubiquitin-protein ligase 1
BAA94667.1	hagoromo
NP_001187949.1	hairy and enhancer of split 6
NP_571684.1	hairy and enhancer of split related-7
NP_996948.1	hairy and enhancer of split-related protein helt
XP_004549619.1	hairy and enhancer of split-related protein helt-like
XP_005159697.1	hairy/enhancer-of-split related with YRPW motif protein 1 isoform X1

XP_541232.3	hairy/enhancer-of-split related with YRPW motif protein 2
AAH71465.1	Hairy-related 12
NP_571155.1	hairy-related 3
NP_571165.3	hairy-related 4.2
NP_001187428.1	haloacid dehalogenase-like hydrolase domain-containing protein 1a
EMP40129.1	Haloacid dehalogenase-like hydrolase domain-containing protein 2
NP_001269321.1	hamartin
XP_005171852.1	hamartin isoform X1
XP_005171854.1	hamartin isoform X3
AAH55638.1	Hao1 protein
XP_003199049.1	haptoglobin-like
AAI63401.1	Has3 protein
AAA93301.1	HASI
ACX94087.1	hAT family dimerization domain protein
NP_001243178.1	HAUS augmin-like complex subunit 1
NP_001002425.1	HAUS augmin-like complex subunit 4
NP_001007439.1	HAUS augmin-like complex subunit 5
NP_001073443.1	HAUS augmin-like complex subunit 6
XP_005162196.1	HAUS augmin-like complex, subunit 7
NP_955970.1	HBS1-like protein
XP_006915457.1	HBS1-like protein isoform X2
XP_005800348.1	HBS1-like protein-like
NP_001070204.2	HBV PreS1-transactivated protein 3
XP_005160049.1	HBV PreS1-transactivated protein 3 isoform X1
EAX09327.1	hCG1755419, partial
EAW71470.1	hCG2041386
EAW67128.1	hCG39183
XP_006641806.1	HCLS1-associated protein X-1-like
XP_006626436.1	HCLS1-binding protein 3-like
NP_001187966.1	HD domain-containing protein 2
AAI15263.1	Hdac6 protein
ABD77534.1	HDCME31P-like protein
XP_001370318.1	headcase protein homolog
XP_005156110.1	HEAT repeat-containing protein 1 isoform X1
XP_006638886.1	HEAT repeat-containing protein 1-like
XP_001922615.1	HEAT repeat-containing protein 1-like isoform X1
XP_002667597.3	HEAT repeat-containing protein 2-like
NP_957183.1	HEAT repeat-containing protein 3
XP_006033603.1	HEAT repeat-containing protein 4
XP_001336593.5	HEAT repeat-containing protein 4-like
XP_005473995.1	HEAT repeat-containing protein 5B isoform X1
XP_005795181.1	HEAT repeat-containing protein 5B-like
NP_001107785.1	HEAT repeat-containing protein 6
ADX32514.1	heat shock 70 kDa protein
XP_005508221.1	heat shock 70 kDa protein 12A isoform X1
XP_006630652.1	heat shock 70 kDa protein 12A-like
XP_005459566.1	heat shock 70 kDa protein 12A-like isoform X5
XP_005174750.1	heat shock 70 kDa protein 12B isoform X1
XP_005174751.1	heat shock 70 kDa protein 12B isoform X2
NP_001082948.1	heat shock 70 kDa protein 13 precursor
NP_001038541.1	heat shock 70 kDa protein 14
XP_690505.2	heat shock 70 kDa protein 4L
XP_005944289.1	heat shock 70 kDa protein 4-like isoform X2
AGO01982.1	heat shock 70kDa protein 1a
AFP43223.1	heat shock cognate 70
ACI33977.1	Heat shock cognate 70 kDa protein
AFP43224.1	heat shock cognate 70-2
ABG56391.1	heat shock cognate 71
XP_005168440.1	heat shock factor 2-binding protein isoform X1
XP_005748121.1	heat shock factor 2-binding protein-like
NP_571675.1	heat shock factor protein 1
NP_571942.1	heat shock factor protein 2
XP_004564889.1	heat shock factor protein 2-like
XP_005233542.1	heat shock factor protein 4
XP_005992323.1	heat shock factor protein 5
ADA70351.1	heat shock protein
NP_001038900.1	heat shock protein 12A
BAC76427.1	heat shock protein 4
NP_999881.1	heat shock protein 4a
ADO27951.1	heat shock protein 67b2
XP_005163784.1	heat shock protein 75 kDa, mitochondrial-like
AAO52675.1	heat shock protein 90 alpha
ABD85550.1	heat shock protein 9B
ADO28210.1	heat shock protein beta-1
NP_001092897.1	heat shock protein beta-11
XP_002662020.1	heat shock protein beta-1-like
NP_001006040.1	heat shock protein beta-7
XP_005738387.1	heat shock protein beta-7-like
NP_001094427.2	heat shock protein beta-8

XP_006632299.1 heat shock protein HSP 90-alpha 1-like isoform X1
 XP_004542146.1 heat shock protein HSP 90-alpha-like isoform X1
 NP_571385.2 heat shock protein HSP 90-beta
 NP_001108177.1 heat shock protein, alpha-crystallin-related, 9
 NP_001094428.1 heat shock protein, alpha-crystallin-related, b6
 NP_001118220.1 heat shock transcription factor 1b
 AHB12556.1 heat shock transcription factor 2b
 AHB12557.1 heat shock transcription factor 2c
 XP_005159147.1 heat shock transcription factor 4 isoform X1
 BAB72173.1 heat shock transcription factor mutant
 XP_700803.6 heat-stable enterotoxin receptor-like
 XP_006139763.1 HECT and RLD domain containing E3 ubiquitin protein ligase family member 1, partial
 AAI24338.1 HECT domain containing 3
 NP_001070858.1 hedgehog acyltransferase-like, b
 ABA54452.1 hedgehog-interacting protein
 XP_005726997.1 hedgehog-interacting protein-like isoform X3
 XP_001312792.1 helicase
 XP_005285337.1 helicase ARIP4 isoform X1
 XP_003963087.1 helicase ARIP4-like
 XP_006785444.1 helicase ARIP4-like isoform X1
 NP_001167174.1 helicase MOV-10
 NP_001269352.1 helicase POLQ-like
 NP_001038366.1 helicase SKI2W
 XP_005170104.1 helicase SKI2W isoform X1
 XP_006788126.1 helicase SKI2W-like
 XP_005156368.1 helicase SRCAP isoform X4
 XP_005913787.1 helicase SRCAP-like
 XP_006639522.1 helicase with zinc finger domain 2-like
 AAI71410.1 Helicase, lymphoid-specific
 NP_991232.1 helix-loop-helix protein 2
 XP_006639098.1 helix-loop-helix protein 2-like
 NP_001082982.1 hematological and neurological expressed 1a
 NP_001135283.1 hematopoietic cell-specific Lyn substrate 1
 EAW79506.1 hematopoietic cell-specific Lyn substrate 1, isoform CRA_b
 NP_919372.1 hematopoietic death receptor precursor
 XP_002662572.1 hematopoietic progenitor cell antigen CD34-like
 NP_001133335.1 hematopoietically-expressed homeobox protein hhex
 ADO27993.1 heme oxygenase
 XP_005798026.1 heme transporter hrg1-A-like
 NP_001139159.1 heme-binding protein soul2 precursor
 XP_003199152.2 hemicentin-1
 XP_005160777.1 hemicentin-1 isoform X1
 XP_005160778.1 hemicentin-1 isoform X2
 NP_001177233.1 hemicentin-1 precursor
 XP_001920347.3 hemicentin-1-like
 XP_005468795.1 hemicentin-1-like isoform X4
 ADI46645.1 hemicentin2 protein
 XP_005473651.1 hemicentin-2-like isoform X1
 NP_001107891.1 hemK methyltransferase family member 1
 AHA82582.1 hemoglobin alpha 2
 AHA82587.1 hemoglobin alpha 5
 AHA82589.1 hemoglobin beta 1
 AHA82590.1 hemoglobin beta 2
 AHA82594.1 hemoglobin beta 6
 NP_001187948.1 hemoglobin subunit beta
 NP_001038746.1 hemojuvelin i precursor
 NP_001187751.1 hepacam family member 2 precursor
 NP_001074908.1 heparan sulfate (glucosamine) 3-O-sulfotransferase 1-like1 precursor
 AAI62784.1 Heparan sulfate (glucosamine) 3-O-sulfotransferase 2
 NP_001074909.1 heparan sulfate (glucosamine) 3-O-sulfotransferase 3-like
 XP_001922005.3 heparan sulfate 2-O-sulfotransferase 1-like
 ABH11452.1 heparan sulfate 3-O-sulfotransferase 5
 ABH11455.1 heparan sulfate 6-O-sulfotransferase 1a
 AAI62829.1 Heparan sulfate 6-O-sulfotransferase 3
 XP_005935242.1 heparan sulfate glucosamine 3-O-sulfotransferase 1-like
 XP_001337988.1 heparan sulfate glucosamine 3-O-sulfotransferase 3B1
 XP_005925491.1 heparan sulfate glucosamine 3-O-sulfotransferase 3B1-like
 XP_006635250.1 heparan sulfate glucosamine 3-O-sulfotransferase 3B1-like isoform X1
 XP_006637195.1 heparan sulfate glucosamine 3-O-sulfotransferase 3B1-like isoform X2
 NP_001074058.1 heparan sulfate glucosamine 3-O-sulfotransferase 4
 XP_001510276.1 heparan sulfate glucosamine 3-O-sulfotransferase 5
 XP_420455.3 heparan-alpha-glucosaminide N-acetyltransferase
 XP_002660455.2 heparan-alpha-glucosaminide N-acetyltransferase isoform X1
 XP_005161245.1 heparanase isoform X1
 NP_001038470.1 heparanase precursor
 NP_001073672.1 heparan-sulfate 6-O-sulfotransferase 1-B
 NP_001073663.1 heparan-sulfate 6-O-sulfotransferase 3
 XP_005166794.1 heparin cofactor 2 isoform X1
 XP_005161354.1 heparin-binding EGF-like growth factor b isoform X1

NP_001104696.1 heparin-binding EGF-like growth factor precursor
 EMP30883.1 Hepatic lectin
 EMP40209.1 Hepatic leukemia factor
 XP_006635190.1 hepatic leukemia factor-like
 ACJ26849.1 hepatic lipase
 NP_991109.1 hepatic nuclear factor 4, beta
 NP_957316.1 hepatic triacylglycerol lipase precursor
 XP_006628848.1 hepatic triacylglycerol lipase-like
 NP_001002434.1 hepatitis A virus cellular receptor 1 homolog precursor
 NP_001187554.1 hepatitis b virus x-interacting protein-like protein
 NP_001018526.1 hepatocyte cell adhesion molecule precursor
 XP_005437725.1 hepatocyte cell adhesion molecule-like
 XP_001918986.2 hepatocyte cell adhesion molecule-like isoform X1
 XP_005168683.1 hepatocyte cell adhesion molecule-like isoform X2
 NP_001133611.1 hepatocyte growth factor precursor
 XP_005163051.1 hepatocyte growth factor receptor isoform X1
 NP_001007125.1 hepatocyte growth factor receptor precursor
 XP_002667415.2 hepatocyte growth factor-like
 XP_002667888.3 hepatocyte growth factor-like, partial
 XP_005801534.1 hepatocyte growth factor-regulated tyrosine kinase substrate-like isoform X2
 XP_005468722.1 hepatocyte growth factor-regulated tyrosine kinase substrate-like isoform X4
 NP_739570.1 hepatocyte nuclear factor 1-alpha
 ERE68577.1 hepatocyte nuclear factor 1-beta
 NP_919353.1 hepatocyte nuclear factor 1-beta-B
 NP_001098162.1 hepatocyte nuclear factor 3-beta
 ABG73394.1 hepatocyte nuclear factor 4 beta-like protein
 NP_001187505.1 hepatocyte nuclear factor 4-alpha
 NP_001068579.1 hepatocyte nuclear factor 4-gamma
 XP_005173695.1 hepatocyte nuclear factor 6 isoform X1
 NP_001002037.2 hepatoma-derived growth factor-related protein 2
 XP_005509398.1 hephaestin isoform X1
 XP_005155347.1 hephaestin-like protein 1-like
 XP_003200043.1 hephaestin-like, partial
 NP_001098267.1 Her1-11
 NP_001032777.1 Hermansky-Pudlak syndrome 1 protein
 XP_006630499.1 Hermansky-Pudlak syndrome 1 protein homolog
 NP_001180471.1 Hermansky-Pudlak syndrome 3
 XP_005161916.1 Hermansky-Pudlak syndrome 3 isoform X1
 XP_006637543.1 Hermansky-Pudlak syndrome 3 protein-like
 XP_004070021.1 Hermansky-Pudlak syndrome 5 protein-like
 XP_005156992.1 Hermansky-Pudlak syndrome 6 protein homolog
 Q6NYI0.1 HERP2_DANRE RecName: Full=Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein
 ACO14339.1 HERV-H LTR-associating protein 2 precursor
 XP_005735469.1 HERV-H LTR-associating protein 2-like
 NP_001186654.1 heterochromatin protein 1-binding protein 3
 XP_005169466.1 heterochromatin protein 1-binding protein 3 isoform X1
 XP_005169634.1 heterogeneous nuclear ribonucleoprotein A/B isoform X1
 XP_005173156.1 heterogeneous nuclear ribonucleoprotein A0 isoform X1
 NP_956789.1 heterogeneous nuclear ribonucleoprotein A1
 NP_956398.1 heterogeneous nuclear ribonucleoprotein A1b
 XP_005172569.1 heterogeneous nuclear ribonucleoprotein A3 isoform X1
 XP_005171338.1 heterogeneous nuclear ribonucleoprotein C isoform X2
 NP_001103930.1 heterogeneous nuclear ribonucleoprotein D0
 XP_006627096.1 heterogeneous nuclear ribonucleoprotein D0-like
 NP_991247.1 heterogeneous nuclear ribonucleoprotein H1
 XP_005169638.1 heterogeneous nuclear ribonucleoprotein H1 isoform X3
 XP_006781702.1 heterogeneous nuclear ribonucleoprotein H-like isoform X1
 ACI33086.1 Heterogeneous nuclear ribonucleoprotein K
 NP_957393.1 heterogeneous nuclear ribonucleoprotein L
 NP_998548.1 heterogeneous nuclear ribonucleoprotein L2
 XP_005169749.1 heterogeneous nuclear ribonucleoprotein L2 isoform X1
 XP_006638602.1 heterogeneous nuclear ribonucleoprotein L-like
 XP_004570255.1 heterogeneous nuclear ribonucleoprotein M-like
 EMP42604.1 Heterogeneous nuclear ribonucleoprotein Q
 XP_004817599.1 heterogeneous nuclear ribonucleoprotein Q isoform X3
 XP_003452482.2 heterogeneous nuclear ribonucleoprotein R isoform X1
 XP_006626129.1 heterogeneous nuclear ribonucleoprotein U-like
 XP_004542355.1 heterogeneous nuclear ribonucleoprotein U-like isoform X2
 NP_998436.1 heterogeneous nuclear ribonucleoprotein U-like protein 1
 XP_006102699.1 heterogeneous nuclear ribonucleoprotein U-like protein 1 isoform X4
 XP_003198760.1 heterogeneous nuclear ribonucleoprotein U-like protein 1-like
 AAI34041.1 Hexa protein
 AAH67330.1 Hexokinase 1
 CAX13609.1 hexokinase 2
 NP_998417.1 hexokinase-1
 XP_003758010.1 hexokinase-2
 XP_005165098.1 hexokinase-2 isoform X1
 XP_002662013.1 hexokinase-2-like

XP_005163932.1	hexosaminidase D isoform X1
NP_001070635.2	hexosaminidase domain-containing protein
Q8AXV5.2	HEYL_DANRE RecName: Full=Hairy/enhancer-of-split related with YRPW motif-like protein
XP_001337342.3	HHIP-like 1 isoform X1
XP_005158736.1	HHIP-like 1 isoform X2
AAH97075.1	Hiat1b protein
AAI55219.1	Hic11 protein
Q90W33.1	HIC2_DANRE RecName: Full=Hypermethylated in cancer 2 protein
AAH93209.1	Hif1al2 protein
NP_956394.1	HIG1 domain family member 1A
XP_005162725.1	high affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A isoform X1
XP_005162726.1	high affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A isoform X2
XP_005162729.1	high affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A isoform X5
NP_001074096.1	high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A
XP_006780503.1	high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A-like isoform X1
XP_006628301.1	high affinity cationic amino acid transporter 1-like
ERE86830.1	high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A
XP_690841.1	high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A-like
XP_700447.5	high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A-like isoform X3
XP_001344597.1	high affinity choline transporter 1 isoform X1
NP_991280.1	high affinity copper uptake protein 1
XP_697246.5	high affinity nerve growth factor receptor
ACQ58594.1	High choriolytic enzyme 1 precursor
XP_006782369.1	high choriolytic enzyme 1-like
XP_001919316.3	high choriolytic enzyme 2-like
BAE20148.1	high density lipoprotein-binding protein vigilin
NP_001082803.1	high mobility group protein 20A
ETE66153.1	High mobility group protein B1, partial
NP_001017769.1	high mobility group protein B3
XP_004555639.1	high-affinity choline transporter 1-like
XP_005167494.1	high-affinity lysophosphatidic acid receptor
XP_005798110.1	high-affinity lysophosphatidic acid receptor-like
ERE65027.1	highly divergent homeobox isoform 1
NP_001092721.2	high-mobility group box 1b
NP_001004674.1	high-mobility group box 2b
AAH57479.1	Hinfp protein
ADO27766.1	hippocalcin-like protein 1
XP_006000077.1	hippocampus abundant transcript 1 protein
XP_005171326.1	hippocampus abundant transcript 1 protein isoform X1
XP_002663499.2	hippocampus abundant transcript 1 protein-like
XP_003199082.1	hippocampus abundant transcript-like protein 1-like isoform X1
AAQ97790.1	HIRA interacting protein 5
NP_956117.1	HIRA-interacting protein 3
ACO09425.1	HIRA-interacting protein 5
NP_0010338803.1	histamine H2 receptor
XP_005158684.1	histamine H2 receptor-like
XP_003200969.1	histamine H3 receptor-like
ADO28049.1	histamine n-methyltransferase
NP_001020689.1	histamine receptor H3
ETE65791.1	Histidine ammonia-lyase
XP_005796346.1	histidine ammonia-lyase-like
XP_005451000.1	histidine ammonia-lyase-like isoform X2
NP_001167436.1	histidine decarboxylase
XP_005169965.1	histidine decarboxylase isoform X1
NP_001188230.1	histidine triad nucleotide-binding protein 1
XP_003455334.1	histidine triad nucleotide-binding protein 2, mitochondrial-like
ABX79926.1	histidine-isoleucine/vasoactive intestinal polypeptide
XP_004566658.1	histidine--tRNA ligase, cytoplasmic-like isoform X1
XP_005458911.1	histidine--tRNA ligase, cytoplasmic-like isoform X2
NP_001004586.1	histidyl-tRNA synthetase, cytoplasmic
EPY74791.1	histone acetyltransferase KAT2A
XP_005468907.1	histone acetyltransferase KAT2A isoform X1
ELK25302.1	Histone acetyltransferase KAT2B
XP_004548134.1	histone acetyltransferase KAT2B-like
XP_004072911.1	histone acetyltransferase KAT6A-like
XP_697383.4	histone acetyltransferase KAT6B
XP_006809785.1	histone acetyltransferase KAT7-like
XP_006638361.1	histone acetyltransferase KAT7-like isoform X4
XP_005468619.1	histone acetyltransferase KAT7-like isoform X5
XP_003442621.2	histone acetyltransferase KAT8
XP_004556476.1	histone acetyltransferase KAT8-like isoform X1
NP_997800.1	histone acetyltransferase MYST2
EHH64134.1	Histone acetyltransferase MYST3
XP_003198146.2	histone acetyltransferase p300
XP_001332718.4	histone acetyltransferase p300 isoform X1
XP_005156233.1	histone acetyltransferase p300 isoform X2
NP_001004572.1	histone acetyltransferase type B catalytic subunit

NP_001265729.1	histone chaperone asf1-b
AAH85375.1	Histone deacetylase 1
EPY84858.1	histone deacetylase 10
XP_005174308.1	histone deacetylase 10 isoform X1
XP_005927925.1	histone deacetylase 10-like
NP_001002171.1	histone deacetylase 11
XP_005307230.1	histone deacetylase 11 isoform X2
XP_005726760.1	histone deacetylase 11-like isoform X2
XP_006631299.1	histone deacetylase 1-like
XP_003453058.2	histone deacetylase 2-like isoform X1
XP_006631996.1	histone deacetylase 3-like
NP_001034447.2	histone deacetylase 4
XP_005299963.1	histone deacetylase 4 isoform X4
XP_001339044.5	histone deacetylase 4-like
XP_685659.5	histone deacetylase 5-like
XP_693858.5	histone deacetylase 6
XP_006629419.1	histone deacetylase 7-like
NP_998596.1	histone deacetylase 8
XP_005806469.1	histone deacetylase 8-like
XP_003772175.1	histone deacetylase 9
XP_004077864.1	histone deacetylase 9-B-like isoform 1
XP_005804687.1	histone deacetylase 9-B-like isoform X2
XP_005451265.1	histone deacetylase complex subunit SAP130-like isoform X1
XP_004689490.1	histone deacetylase complex subunit SAP30L
ERE67214.1	histone H1oo-like protein
AAK01371.1	histone H2A
NP_001157501.1	histone H2A deubiquitinase MYSM1
XP_005027317.1	histone H2A.v2-like isoform X1
XP_005753233.1	histone H2A-like
XP_006642236.1	histone H2AX-like
XP_005663565.1	histone H2B type 1-O-like
NP_001157712.1	histone H3-like centromeric protein A
XP_003770486.1	histone H4-like
NP_001189376.1	histone lysine demethylase PHF8
XP_006629780.1	histone RNA hairpin-binding protein-like
ADD84747.1	histone variant macroH2A1
XP_003979925.1	histone-binding protein RBBP7-like, partial
XP_006642319.1	histone-lysine N-methyltransferase 2A-like
XP_005927625.1	histone-lysine N-methyltransferase 2B-like isoform X1
XP_005721610.1	histone-lysine N-methyltransferase 2C-like
XP_005478129.1	histone-lysine N-methyltransferase 2D-like
XP_005159540.1	histone-lysine N-methyltransferase ASH1L isoform X1
XP_005740732.1	histone-lysine N-methyltransferase ASH1L-like
XP_005157971.1	histone-lysine N-methyltransferase ASH1L-like isoform X2
XP_003965168.1	histone-lysine N-methyltransferase EHMT1-like
XP_004552323.1	histone-lysine N-methyltransferase EZH1-like isoform X3
NP_001070747.1	histone-lysine N-methyltransferase EZH2
XP_006777229.1	histone-lysine N-methyltransferase EZH2 isoform X10
XP_005157640.1	histone-lysine N-methyltransferase MLL isoform X1
XP_003771833.1	histone-lysine N-methyltransferase MLL3
XP_001919281.4	histone-lysine N-methyltransferase MLL3 isoform X1
XP_005163352.1	histone-lysine N-methyltransferase MLL3 isoform X2
XP_005163355.1	histone-lysine N-methyltransferase MLL3 isoform X5
XP_002664717.2	histone-lysine N-methyltransferase MLL4
XP_005159542.1	histone-lysine N-methyltransferase MLL4 isoform X1
XP_005159543.1	histone-lysine N-methyltransferase MLL4 isoform X2
XP_005164967.1	histone-lysine N-methyltransferase MLL5 isoform X2
XP_004544127.1	histone-lysine N-methyltransferase MLL-like
XP_005155379.1	histone-lysine N-methyltransferase NSD3 isoform X1
NP_957196.1	histone-lysine N-methyltransferase PRDM9
XP_001083675.2	histone-lysine N-methyltransferase PRDM9-like
XP_005164137.1	histone-lysine N-methyltransferase SETD1A isoform X3
XP_005796789.1	histone-lysine N-methyltransferase SETD1A-like
XP_699940.6	histone-lysine N-methyltransferase SETD1B
XP_005735295.1	histone-lysine N-methyltransferase SETD1B-A-like isoform X4
XP_003200209.2	histone-lysine N-methyltransferase SETD2
NP_956348.1	histone-lysine N-methyltransferase setd3
NP_001002456.1	histone-lysine N-methyltransferase SETD7
NP_001038232.1	histone-lysine N-methyltransferase SETDB1-A
NP_001070745.2	histone-lysine N-methyltransferase SETDB1-B
XP_005158071.1	histone-lysine N-methyltransferase SETDB1-B isoform X2
XP_005158072.1	histone-lysine N-methyltransferase SETDB1-B isoform X3
XP_005810353.1	histone-lysine N-methyltransferase SETDB1-B-like
NP_996941.1	histone-lysine N-methyltransferase SETDB2
EFN68500.1	Histone-lysine N-methyltransferase SETMAR
XP_006029730.1	histone-lysine N-methyltransferase SETMAR-like
XP_003707496.1	histone-lysine N-methyltransferase SETMAR-like, partial
NP_001119954.1	histone-lysine N-methyltransferase SUV39H1
NP_001003592.1	histone-lysine N-methyltransferase SUV39H1-A

NP_001007338.1	histone-lysine N-methyltransferase SUV420H1
XP_005463592.1	histone-lysine N-methyltransferase SUV420H1-like isoform X1
XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
XP_003455240.1	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific isoform X1
XP_005173940.1	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific isoform X2
XP_005170591.1	histone-lysine N-methyltransferase, H3 lysine-79 specific isoform X3
NP_001107087.1	histone-lysine N-methyltransferase, H3 lysine-9 specific 3
XP_005171836.1	histone-lysine N-methyltransferase, H3 lysine-9 specific 5 isoform X2
XP_005171838.1	histone-lysine N-methyltransferase, H3 lysine-9 specific 5 isoform X4
EMP27463.1	HIV Tat-specific factor 1
AAH77114.1	Hkdc1 protein
NP_001167290.1	HLA-B associated transcript 1
XP_005172753.1	HMG box transcription factor BBX-like isoform X2
XP_005172754.1	HMG box transcription factor BBX-like isoform X3
NP_001019602.2	HMG box-containing protein 1
XP_006632033.1	HMG domain-containing protein 3-like
XP_005169631.1	HMG domain-containing protein 3-like isoform X1
XP_006781525.1	HMG domain-containing protein 3-like isoform X2
XP_004072014.1	HMG domain-containing protein 4-like
AAAR02862.2	HMG-CoA reductase
AAI63903.1	Hmmr protein
AAH78238.1	Hmmr protein, partial
AAAY85271.1	HNF4gamma, partial
AAH56530.1	Hnrpa0 protein, partial
XP_005163376.1	holocytochrome c synthetase a isoform X1
EPE36637.1	Homeo
ACN65052.1	homeo box B1a
XP_005162420.1	homeo box C10a isoform X1
NP_001009886.2	homeo box HB9 like a
AEE90202.1	Homeobox D13a
XP_005159566.1	homeobox even-skipped homolog protein 1 isoform X1
NP_571307.2	homeobox even-skipped homolog protein 2
XP_002935724.2	homeobox even-skipped homolog protein 2 isoform 1
AAD15946.1	homeobox protein
NP_001187376.1	homeobox protein akr
XP_006642543.1	homeobox protein aristaless-like 4-like
NP_001020120.1	homeobox protein BarH-like 1
XP_004052482.1	homeobox protein BarH-like 2
XP_006804693.1	homeobox protein BarH-like 2-like
NP_001092232.1	homeobox protein CDX-1
XP_006631948.1	homeobox protein CDX-1-like
XP_006641011.1	homeobox protein cut-like 1-like
XP_005459425.1	homeobox protein cut-like 1-like isoform X1
XP_006795439.1	homeobox protein cut-like 1-like isoform X2
XP_005930013.1	homeobox protein cut-like 1-like isoform X6
XP_004072929.1	homeobox protein cut-like 2-like
NP_571233.1	homeobox protein DBX1-A
XP_006642593.1	homeobox protein DBX1-B-like
NP_571380.1	homeobox protein Dlx1a
NP_571397.2	homeobox protein Dlx3b
NP_571393.1	homeobox protein Dlx4b
NP_001134142.1	homeobox protein Dlx5a
NP_937787.1	homeobox protein EMX1
XP_006632001.1	homeobox protein EMX1-like
XP_004659711.1	homeobox protein engrailed-1
XP_003792070.1	homeobox protein engrailed-2
NP_571115.1	homeobox protein engrailed-2b
XP_005154107.1	homeobox protein engrailed-2-like
XP_003975306.1	homeobox protein GBX-1-like
NP_694496.1	homeobox protein GBX-2
XP_006636368.1	homeobox protein GBX-2-like
XP_005171782.1	homeobox protein goosecoid-2-like, partial
XP_003977478.1	homeobox protein goosecoid-like
NP_001106998.1	homeobox protein HMX1
XP_005158750.1	homeobox protein HMX2 isoform X1
XP_003963997.1	homeobox protein HMX2-like
XP_006630482.1	homeobox protein HMX3-A-like
XP_005158011.1	homeobox protein Hox-A10b isoform X1
NP_571222.1	homeobox protein Hox-A11b
NP_001078963.1	homeobox protein Hox-A13a
NP_001187726.1	homeobox protein hox-a13b
NP_571181.1	homeobox protein Hox-A2b
NP_001038377.1	homeobox protein Hox-B13a
NP_571192.2	homeobox protein Hox-B3a
NP_571176.2	homeobox protein Hox-B5a
XP_005171620.1	homeobox protein Hox-B8a isoform X1
NP_571256.1	homeobox protein Hox-B8b
XP_004071929.1	homeobox protein Hox-B9a
XP_005171621.1	homeobox protein Hox-B9a isoform X1

NP_571240.1	homeobox protein Hox-C11a
NP_001104229.1	homeobox protein Hox-C12
NP_001133010.1	homeobox protein HoxC12ba
NP_001135138.1	homeobox protein HoxC13ba
XP_007065880.1	homeobox protein Hox-C4
NP_571197.1	homeobox protein Hox-C4a
XP_004467534.1	homeobox protein Hox-C5
NP_571198.1	homeobox protein Hox-C6a
XP_005813254.1	homeobox protein Hox-C8a-like
NP_001188421.1	homeobox protein Hox-C9
NP_571603.2	homeobox protein Hox-C9a
NP_001133025.1	homeobox protein HoxD10aa
NP_001187904.1	homeobox protein hox-d12a
NP_001133027.1	homeobox protein HoxD1aa
NP_571200.1	homeobox protein Hox-D3a
XP_004557827.1	homeobox protein Hox-D4a-like
ABW77554.1	homeobox protein HoxD9aa
NP_571968.1	homeobox protein Meis1
ERE92220.1	homeobox protein Meis1 isoform 2
NP_758527.1	homeobox protein Meis2 isoform h
XP_005798375.1	homeobox protein Meis2-like isoform X4
XP_006801261.1	homeobox protein meis3-B-like
XP_684924.1	homeobox protein MOX-2-like
NP_571497.1	homeobox protein Nkx-2.2a
NP_001153856.1	homeobox protein Nkx-2.4 isoform 2
NP_571496.1	homeobox protein Nkx-2.5
XP_006625550.1	homeobox protein Nkx-2.5-like
NP_001093073.1	homeobox protein Nkx-2.8
XP_682960.4	homeobox protein Nkx-3.1
XP_006629655.1	homeobox protein Nkx-3.2-like
NP_001159612.1	homeobox protein Nkx-6.3
XP_006625372.1	homeobox protein Nkx-6.3-like
XP_006115689.1	homeobox protein not2-like isoform X1
XP_005165562.1	homeobox protein orthopedia B isoform X1
XP_004566916.1	homeobox protein orthopedia B-like isoform X1
NP_571290.1	homeobox protein OTX1 A
XP_005002699.1	homeobox protein OTX1 isoform X3
XP_003222904.1	homeobox protein otx5
XP_003199243.1	homeobox protein PKNOX1-like
XP_004572018.1	homeobox protein PKNOX1-like isoform X2
ERE75792.1	homeobox protein PKNOX2
XP_006642334.1	homeobox protein PKNOX2-like
NP_775334.1	homeobox protein SEBOX
XP_003962522.1	homeobox protein SIX1-like
XP_006638702.1	homeobox protein SIX2-like
XP_005453223.1	homeobox protein SIX3-like
NP_571795.1	homeobox protein SIX5
XP_003198786.2	homeobox protein TGIF2-like isoform X1
XP_005164261.1	homeobox protein unc-4 homolog
XP_003965470.1	homeobox protein vent1-like
XP_003973629.1	homeobox protein XHOX-7.1-like
ACO09346.1	Homeobox-containing protein 1
XP_005173876.1	homeobox-containing protein 1 isoform X2
XP_005173878.1	homeobox-containing protein 1 isoform X4
XP_005449946.1	homeobox-containing protein 1-like isoform X6
NP_001137519.1	homeodomain interacting protein kinase 3a
XP_005174388.1	homeodomain interacting protein kinase 3a isoform X1
NP_001073628.1	homeodomain interacting protein kinase 3b
ABM73542.1	homeodomain protein
AGO64992.1	homeodomain protein HoxA4aii, partial
CBN80906.1	Homeodomain-interacting protein kinase 1
XP_005448462.1	homeodomain-interacting protein kinase 1 isoform X1
XP_006794351.1	homeodomain-interacting protein kinase 1-like
XP_005155718.1	homeodomain-interacting protein kinase 1-like isoform X1
XP_005159048.1	homeodomain-interacting protein kinase 2 isoform X2
XP_005159049.1	homeodomain-interacting protein kinase 2 isoform X3
XP_005991302.1	homeodomain-interacting protein kinase 3 isoform X2
XP_006908079.1	homeodomain-interacting protein kinase 3 isoform X4
XP_005991679.1	homeodomain-interacting protein kinase 4
XP_006627751.1	homeodomain-interacting protein kinase 4-like
NP_937852.1	homeodomain-only protein
XP_005049620.1	homeotic protein empty spiracles-like
XP_005009980.1	homer protein homolog 1
XP_002662151.1	homer protein homolog 1 isoform X1
XP_004549995.1	homer protein homolog 1-like isoform X1
XP_005463732.1	homer protein homolog 1-like isoform X2
XP_006780493.1	homer protein homolog 2-like isoform X1
XP_002661018.3	homer protein homolog 3-like
AAH76306.1	Homer1 protein

NP_001108360.1 homocysteine S-methyltransferase-like isoform 2
 XP_005159177.1 homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 isoform X1
 ABA42815.1 homocysteine-responsive ER-resident ubiquitin-like domain member 1
 EMP33643.1 Homogentisate 1,2-dioxygenase
 NP_001002124.1 homologous-pairing protein 2 homolog
 XP_005468881.1 homologous-pairing protein 2 homolog isoform X2
 ABP65301.1 homomeric kinesin Kif17
 AAI63044.1 Hook homolog 1
 AAZ57203.1 HOOK3-RET fusion protein
 A2BF66.1 HORM1_DANRE RecName: Full=HORMA domain-containing protein 1
 XP_006634961.1 HORMA domain-containing protein 1-like
 XP_005162419.1 hormonally up-regulated neu tumor-associated kinase homolog A-like
 XP_004550118.1 hormonally up-regulated neu tumor-associated kinase homolog A-like isoform X1
 XP_006625962.1 hormonally up-regulated neu tumor-associated kinase-like
 XP_003440860.2 hormonally up-regulated neu tumor-associated kinase-like isoform X1
 XP_686139.6 hormone-sensitive lipase isoform X2
 NP_001184139.1 hormone-sensitive lipase subtype 2
 XP_004074169.1 hormone-sensitive lipase-like
 XP_004535633.1 hornerin-like isoform X1
 XP_006625497.1 host cell factor 1-like
 AAB04107.1 Hoxa-1
 AFI61994.1 Hox-B3b
 BAE44284.1 hoxC11a
 AAI63205.1 Hoxc5a protein
 AFO42779.1 HOXD10
 AAI14272.1 Hoxd11a protein, partial
 Q6TGZ5.1 HPPD_DANRE RecName: Full=4-hydroxyphenylpyruvate dioxygenase; AltName: Full=4-hydroxyphenylpyruvic acid oxidase; Short=4HPPD; Short=HPD; Short=HPPDase
 XP_002664517.1 HRAS-like suppressor 3-like isoform 2
 ACO08908.1 HS1-associating protein X-1
 NP_956063.1 hsc70-interacting protein
 XP_006798137.1 hsc70-interacting protein-like
 AAI55182.1 Hsd3b7 protein
 AAH64280.1 Hsf2 protein
 Q56A36.1 HSH2D_DANRE RecName: Full=Hematopoietic SH2 domain-containing protein homolog
 NP_956369.1 hsp70-binding protein 1
 XP_006104110.1 hsp90 co-chaperone Cdc37
 XP_006631546.1 hsp90 co-chaperone Cdc37-like
 NP_001167312.1 Hsp90 co-chaperone Cdc37-like 1
 NP_001003777.1 HSPB1-associated protein 1 homolog
 XP_005167885.1 HSPB1-associated protein 1 homolog isoform X1
 XP_005160787.1 human immunodeficiency virus type 1 enhancer binding protein 2 isoform X1
 NP_001025335.1 human immunodeficiency virus type 1 enhancer binding protein 2a
 XP_005158638.1 human immunodeficiency virus type 1 enhancer-binding protein 2 homolog isoform X1
 AGS58213.1 huntingtin
 NP_001159677.1 huntingtin-interacting protein 1
 XP_005157489.1 huntingtin-interacting protein 1 isoform X1
 XP_004946452.1 huntingtin-interacting protein 1 isoform X2
 XP_004561479.1 huntingtin-interacting protein 1-like isoform X3
 NP_001077034.1 huntingtin-interacting protein 1-related protein
 XP_006640435.1 huntingtin-interacting protein 1-related protein-like
 XP_005946384.1 huntingtin-interacting protein 1-related protein-like, partial
 XP_005989808.1 huntingtin-interacting protein K
 Q8AWZ2.1 HXA3A_DANRE RecName: Full=Homeobox protein Hox-A3a
 Q9YGT4.2 HXB6B_DANRE RecName: Full=Homeobox protein Hox-B6b; AltName: Full=Homeobox protein Hox-A7
 P28174.1 HXC3A_DANRE RecName: Full=Homeobox protein Hox-C3a; AltName: Full=Homeobox protein ZF-114; AltName: Full=Hox-114
 O42503.1 HXC8A_TAKRU RecName: Full=Homeobox protein Hox-C8a; AltName: Full=FrHOXC-8
 XP_002663704.3 hyaluronan and proteoglycan link protein 1
 XP_005165298.1 hyaluronan and proteoglycan link protein 1 isoform X1
 AAI63010.1 Hyaluronan and proteoglycan link protein 2
 NP_998266.1 hyaluronan and proteoglycan link protein 3 precursor
 XP_006628909.1 hyaluronan and proteoglycan link protein 3-like
 XP_004554938.1 hyaluronan and proteoglycan link protein 4-like
 XP_005158166.1 hyaluronan synthase 1 isoform X1
 XP_005924291.1 hyaluronan synthase 1-like
 NP_705936.1 hyaluronan synthase 2
 NP_001103843.1 hyaluronan-binding protein 2
 NP_955874.1 hyaluronan-mediated motility receptor (RHAMM)
 NP_001074154.1 hyaluronidase PH-20 precursor
 NP_001035086.1 hyaluronidase-1 precursor
 ACI32917.1 Hyaluronidase-2 precursor
 XP_002662593.3 hyaluronidase-2-like isoform X1
 NP_001121765.1 hyaluronidase-3
 XP_001922123.1 hyaluronidase-4-like
 NP_001074140.1 hyaluronoglucosaminidase 6 precursor
 NP_991193.1 hycin

XP_005478712.1 hyccin-like isoform X5
 NP_001107887.2 hydrocephalus inducing
 XP_006641525.1 hydrocephalus-inducing protein homolog
 XP_005155807.1 hydrolethalus syndrome protein 1 homolog isoform X2
 ACZ65314.1 hydroindole-O-methyltransferase
 NP_001186371.1 hydroxyacid oxidase 1
 XP_006625995.1 hydroxyacid oxidase 1-like
 XP_006793661.1 hydroxyacid oxidase 2-like
 XP_005171427.1 hydroxyacid-oxoacid transhydrogenase, mitochondrial isoform X1
 NP_001098746.1 hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase, alpha subunit a
 XP_005163922.1 hydroxyacylglutathione hydrolase, mitochondrial isoform X1
 NP_001188161.1 hydroxyacylglutathione hydrolase-like protein
 XP_004944690.1 hydroxyacyl-thioester dehydratase type 2, mitochondrial isoform X3
 NP_001156767.1 hydroxycarboxylic acid receptor 1-2
 NP_001107059.1 hydroxyllysine kinase
 NP_957448.1 hydroxymethylbilane synthase a
 NP_957509.1 hydroxymethylglutaryl-CoA lyase, mitochondrial
 XP_006627102.1 hydroxymethylglutaryl-CoA synthase, cytoplasmic-like
 NP_001134497.1 hydroxypyruvate isomerase
 AAH48053.1 Hydroxysteroid (17-beta) dehydrogenase 12a
 ADO28393.1 hydroxysteroid dehydrogenase-like protein 2
 NP_001002314.1 hypermethylated in cancer 1 protein
 XP_005733376.1 hypermethylated in cancer 2 protein-like isoform X1
 XP_005986014.1 hyperpolarization activated cyclic nucleotide-gated potassium channel 4, partial
 AAN75424.1 hyperpolarization-activated cyclic nucleotide-gate cation channel 2 variant 1
 ACO07533.1 Hypothetical 18.4 kDa protein in SIS2-MTD1 intergenic region
 YP_001876624.1 hypothetical chloroplast RF1
 AAI71514.1 Hypothetical LOC559844
 WP_023272908.1 hypothetical protein
 EKD00067.1 hypothetical protein A1Q2_05591
 EMC90640.1 hypothetical protein A306_00224, partial
 EMC77429.1 hypothetical protein A306_15251
 ETN67215.1 hypothetical protein AND_000981
 EHA21870.1 hypothetical protein ASPNIDRAFT_41205
 XP_002586683.1 hypothetical protein BRAFLDRAFT_105490
 XP_002598057.1 hypothetical protein BRAFLDRAFT_108630
 XP_002598119.1 hypothetical protein BRAFLDRAFT_124284
 XP_002590453.1 hypothetical protein BRAFLDRAFT_124569
 XP_002609875.1 hypothetical protein BRAFLDRAFT_125998
 XP_002603609.1 hypothetical protein BRAFLDRAFT_126919
 XP_002589472.1 hypothetical protein BRAFLDRAFT_222067
 XP_002599495.1 hypothetical protein BRAFLDRAFT_223842
 XP_002598744.1 hypothetical protein BRAFLDRAFT_230684
 XP_002602357.1 hypothetical protein BRAFLDRAFT_234358
 XP_002598698.1 hypothetical protein BRAFLDRAFT_250468
 XP_002590879.1 hypothetical protein BRAFLDRAFT_285261
 XP_002599359.1 hypothetical protein BRAFLDRAFT_64284
 XP_002600337.1 hypothetical protein BRAFLDRAFT_66570
 XP_002592472.1 hypothetical protein BRAFLDRAFT_68958
 XP_002595990.1 hypothetical protein BRAFLDRAFT_84064
 XP_002590520.1 hypothetical protein BRAFLDRAFT_86192
 XP_002599880.1 hypothetical protein BRAFLDRAFT_95571
 ETT50160.1 hypothetical protein C170_16655
 ACO10042.1 Hypothetical protein C21E11.07 in chromosome I
 EGT47331.1 hypothetical protein CAEBREN_08836
 EGT35929.1 hypothetical protein CAEBREN_21004
 EGT50279.1 hypothetical protein CAEBREN_30272
 EPH53441.1 hypothetical protein CAOG_08842
 EPH52950.1 hypothetical protein CAOG_09190
 ELT90041.1 hypothetical protein CAPTEDRAFT_126314
 ELT88655.1 hypothetical protein CAPTEDRAFT_132376
 ELT99609.1 hypothetical protein CAPTEDRAFT_186555
 ELU07536.1 hypothetical protein CAPTEDRAFT_188040
 ELT94903.1 hypothetical protein CAPTEDRAFT_189741, partial
 ELU14737.1 hypothetical protein CAPTEDRAFT_192727
 ELU13527.1 hypothetical protein CAPTEDRAFT_195279, partial
 ELU09103.1 hypothetical protein CAPTEDRAFT_205804
 ELT91274.1 hypothetical protein CAPTEDRAFT_205812
 ELU03694.1 hypothetical protein CAPTEDRAFT_206368
 ELU17619.1 hypothetical protein CAPTEDRAFT_207933
 ELT99637.1 hypothetical protein CAPTEDRAFT_213347
 ELU11533.1 hypothetical protein CAPTEDRAFT_215343
 ELU07992.1 hypothetical protein CAPTEDRAFT_216620
 ELT92927.1 hypothetical protein CAPTEDRAFT_216886
 ELU14007.1 hypothetical protein CAPTEDRAFT_217934
 ELU08271.1 hypothetical protein CAPTEDRAFT_220090
 ELT95634.1 hypothetical protein CAPTEDRAFT_227708
 EPY90039.1 hypothetical protein CB1_000055010

EPY89718.1	hypothetical protein CB1_000083011
EPY89476.1	hypothetical protein CB1_000106013, partial
EPY89343.1	hypothetical protein CB1_000114007
EQB77037.1	hypothetical protein CB1_000145020
EPY88495.1	hypothetical protein CB1_000172007
EQB77245.1	hypothetical protein CB1_000265037
EPY86991.1	hypothetical protein CB1_000283009
EPY86922.1	hypothetical protein CB1_000287002
EQB77335.1	hypothetical protein CB1_000290022
EPY86603.1	hypothetical protein CB1_000306083
EPY86513.1	hypothetical protein CB1_000307002
EPY86491.1	hypothetical protein CB1_000309022
EPY85873.1	hypothetical protein CB1_000345003
EPY85681.1	hypothetical protein CB1_000353018, partial
EPY85588.1	hypothetical protein CB1_000367001
EPY85356.1	hypothetical protein CB1_000385005
EQB77580.1	hypothetical protein CB1_000409004
EPY84581.1	hypothetical protein CB1_000466027
EPY84441.1	hypothetical protein CB1_000475033
EPY84443.1	hypothetical protein CB1_000475035
EPY84407.1	hypothetical protein CB1_000477019
EPY83689.1	hypothetical protein CB1_000539006
EPY83647.1	hypothetical protein CB1_000544012
EPY83543.1	hypothetical protein CB1_000552014
EPY83549.1	hypothetical protein CB1_000552020
EPY83345.1	hypothetical protein CB1_000576092
EQB78063.1	hypothetical protein CB1_000590025
EQB78113.1	hypothetical protein CB1_000597010
EPY82421.1	hypothetical protein CB1_000655002
EPY82169.1	hypothetical protein CB1_000678022
EPY79400.1	hypothetical protein CB1_000931039
EPY79345.1	hypothetical protein CB1_000932064
EPY79072.1	hypothetical protein CB1_000961021
EPY79029.1	hypothetical protein CB1_000966001
EPY78588.1	hypothetical protein CB1_001041007
EPY78288.1	hypothetical protein CB1_001108037
EPY77956.1	hypothetical protein CB1_001159021
EPY77566.1	hypothetical protein CB1_001241015
EPY77038.1	hypothetical protein CB1_001328020
EPY76696.1	hypothetical protein CB1_001402075
EQB78945.1	hypothetical protein CB1_001683011
EPY74357.1	hypothetical protein CB1_002089002
EPY74341.1	hypothetical protein CB1_002101001
EPY72779.1	hypothetical protein CB1_085717002
XP_002635828.1	Hypothetical protein CBG10492
XP_002632808.1	Hypothetical protein CBG22662
CCQ71105.1	hypothetical protein CcPL1.036
YP_004599878.1	hypothetical protein Celgi_0791
EKC21326.1	hypothetical protein CGL_10004099
EKC34607.1	hypothetical protein CGL_10004633
EKC32039.1	hypothetical protein CGL_10009074
EKC28956.1	hypothetical protein CGL_10011829
YP_001781243.1	hypothetical protein CLD_2945
XP_778348.1	hypothetical protein CNBA3480
XP_777043.1	hypothetical protein CNBB2750
XP_003111566.1	hypothetical protein CRE_02804
XP_003096066.1	hypothetical protein CRE_05135
XP_003110613.1	hypothetical protein CRE_05504
XP_003103885.1	hypothetical protein CRE_09589
XP_003096526.1	hypothetical protein CRE_09716
XP_003095648.1	hypothetical protein CRE_13033
XP_003087046.1	hypothetical protein CRE_17803
EPQ05527.1	hypothetical protein D623_10002145
ERL86775.1	hypothetical protein D910_04181, partial
ERL87239.1	hypothetical protein D910_04637
ERL93239.1	hypothetical protein D910_10535
EFX78008.1	hypothetical protein DAPPUDRAFT_105663
EFX66538.1	hypothetical protein DAPPUDRAFT_116209
EFX68624.1	hypothetical protein DAPPUDRAFT_329890
EFN64933.1	hypothetical protein EAG_00213
EFN60894.1	hypothetical protein EAG_00507
EFN72876.1	hypothetical protein EAG_01351
EFN62518.1	hypothetical protein EAG_03659
EFN60481.1	hypothetical protein EAG_10563
EFN71069.1	hypothetical protein EAG_12773
EFN74499.1	hypothetical protein EAG_13313
EFN77814.1	hypothetical protein EAI_06930
EFN89223.1	hypothetical protein EAI_07730
EFN83932.1	hypothetical protein EAI_09601

EFN75771.1	hypothetical protein EAI_09775
EFN84418.1	hypothetical protein EAI_10745
EFN77038.1	hypothetical protein EAI_10971
EFN88769.1	hypothetical protein EAI_13009
EFN78447.1	hypothetical protein EAI_13318
EJW02257.1	hypothetical protein EDEG_03308
EHH20328.1	hypothetical protein EGK_03157
EHH22588.1	hypothetical protein EGK_05892, partial
EHH29164.1	hypothetical protein EGK_09514, partial
EHH27267.1	hypothetical protein EGK_17426
EHH55503.1	hypothetical protein EGM_04722
EHH58911.1	hypothetical protein EGM_08878
EHH52674.1	hypothetical protein EGM_13164, partial
ERF70190.1	hypothetical protein EPUS_00378
ERF69956.1	hypothetical protein EPUS_08767
ERF76514.1	hypothetical protein EPUS_08906
ERF68926.1	hypothetical protein EPUS_09504
ETX01927.1	hypothetical protein ETSY2_36450
ETW98423.1	hypothetical protein ETSY2_42830
ETW93809.1	hypothetical protein ETSY2_50775
ETI54154.1	hypothetical protein F443_02992
ETI44833.1	hypothetical protein F443_10494
AAQ97984.1	hypothetical protein FLJ23790
YP_147287.1	hypothetical protein GK1434
XP_005831698.1	hypothetical protein GUITHDRAFT_152949, partial
XP_005839099.1	hypothetical protein GUITHDRAFT_161314
EHB12030.1	hypothetical protein GW7_09601
EHB15952.1	hypothetical protein GW7_19510, partial
ETV80936.1	hypothetical protein H257_06381
ETV76175.1	hypothetical protein H257_09694
ETV75127.1	hypothetical protein H257_10693
ESN99468.1	hypothetical protein HELRODRAFT_163018
ESN94171.1	hypothetical protein HELRODRAFT_163957
ESN91594.1	hypothetical protein HELRODRAFT_165647
ESO04079.1	hypothetical protein HELRODRAFT_173156
ESN97698.1	hypothetical protein HELRODRAFT_177753
ESN96874.1	hypothetical protein HELRODRAFT_178673
ESN93540.1	hypothetical protein HELRODRAFT_180856
ESN98204.1	hypothetical protein HELRODRAFT_184778, partial
ESN98067.1	hypothetical protein HELRODRAFT_84833
XP_002415228.1	hypothetical protein IseW_ISCW014965
EHJ63953.1	hypothetical protein KGM_00631
EHJ77471.1	hypothetical protein KGM_07467
EHJ65351.1	hypothetical protein KGM_20235
ETE73182.1	hypothetical protein L345_00962, partial
ETE64612.1	hypothetical protein L345_09619, partial
ETE62755.1	hypothetical protein L345_11487, partial
ETE58450.1	hypothetical protein L345_15829, partial
EXB58916.1	hypothetical protein L484_000901
EXB79421.1	hypothetical protein L484_011614
YP_007072114.1	hypothetical protein Lepto7376_3039
XP_003147678.1	hypothetical protein LOAG_12116
XP_002804019.1	hypothetical protein LOC100424774
XP_002802077.1	hypothetical protein LOC100428890
XP_002802630.1	hypothetical protein LOC100429882
XP_002800905.1	hypothetical protein LOC100430824
XP_002912669.1	hypothetical protein LOC100468719
XP_002920640.1	hypothetical protein LOC100468920
XP_003213325.1	hypothetical protein LOC100545456
XP_003207497.1	hypothetical protein LOC100547732
XP_003209742.1	hypothetical protein LOC100550505
XP_003391153.1	hypothetical protein LOC100632094, partial
XP_003387481.1	hypothetical protein LOC100633557
XP_003390893.1	hypothetical protein LOC100636600
XP_003389166.1	hypothetical protein LOC100636756
XP_003390448.1	hypothetical protein LOC100640513
XP_003386609.1	hypothetical protein LOC100640796
XP_003389649.1	hypothetical protein LOC100641058
XP_003386694.1	hypothetical protein LOC100641891
XP_003407625.1	hypothetical protein LOC100659410
XP_003409383.1	hypothetical protein LOC100666448
XP_003419209.1	hypothetical protein LOC100666493
XP_003422521.1	hypothetical protein LOC100672396
XP_003493286.1	hypothetical protein LOC100740355
XP_701610.1	hypothetical protein LOC368413
XP_001088540.2	hypothetical protein LOC700140
XP_001108363.2	hypothetical protein LOC704526 isoform 3
XP_001110906.2	hypothetical protein LOC718353
AAH76420.1	Hypothetical protein LOC794796

ESO91345.1	hypothetical protein LOTGIDRAFT_105534, partial
ESO89329.1	hypothetical protein LOTGIDRAFT_106328, partial
ESO87279.1	hypothetical protein LOTGIDRAFT_107349, partial
ESO94829.1	hypothetical protein LOTGIDRAFT_117769, partial
ESO90724.1	hypothetical protein LOTGIDRAFT_122800
ESO90527.1	hypothetical protein LOTGIDRAFT_123325, partial
ESO82317.1	hypothetical protein LOTGIDRAFT_134830, partial
ESO99049.1	hypothetical protein LOTGIDRAFT_142280, partial
ESO91513.1	hypothetical protein LOTGIDRAFT_153955
ESO90890.1	hypothetical protein LOTGIDRAFT_163777
ESO90461.1	hypothetical protein LOTGIDRAFT_164040
ESP04720.1	hypothetical protein LOTGIDRAFT_170557
ESP03465.1	hypothetical protein LOTGIDRAFT_171402
ESO99567.1	hypothetical protein LOTGIDRAFT_173709
ESP01684.1	hypothetical protein LOTGIDRAFT_176440
ESO84222.1	hypothetical protein LOTGIDRAFT_184295
ESO82333.1	hypothetical protein LOTGIDRAFT_204907
ESO89816.1	hypothetical protein LOTGIDRAFT_218665
ESO97931.1	hypothetical protein LOTGIDRAFT_228445
ESP03931.1	hypothetical protein LOTGIDRAFT_230228
ESO88616.1	hypothetical protein LOTGIDRAFT_234474
ESO96292.1	hypothetical protein LOTGIDRAFT_239347, partial
EPS69167.1	hypothetical protein M569_05600, partial
ELR55019.1	hypothetical protein M91_00313, partial
ELR57875.1	hypothetical protein M91_02367, partial
ELR54835.1	hypothetical protein M91_02532, partial
ELR51638.1	hypothetical protein M91_02900, partial
ELR55418.1	hypothetical protein M91_04067, partial
ELR61013.1	hypothetical protein M91_09415, partial
ELR52962.1	hypothetical protein M91_10256, partial
ELR61806.1	hypothetical protein M91_12412
ELR46423.1	hypothetical protein M91_14160, partial
ELR55573.1	hypothetical protein M91_15722
ELR48591.1	hypothetical protein M91_17934
ELR48604.1	hypothetical protein M91_19605
ELK31272.1	hypothetical protein MDA_GLEAN10000239
ELK31874.1	hypothetical protein MDA_GLEAN10003750
YP_002465894.1	hypothetical protein Mpal_0809
XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
XP_001619670.1	hypothetical protein NEMVEDRAFT_v1g223947
XP_001619585.1	hypothetical protein NEMVEDRAFT_v1g224042
XP_001619016.1	hypothetical protein NEMVEDRAFT_v1g64082
YP_117020.1	hypothetical protein nfa8110
EUZ69628.1	hypothetical protein O552_00708
ELK06507.1	hypothetical protein PAL_GLEAN10022751
EFB26872.1	hypothetical protein PANDA_004300
EFB24474.1	hypothetical protein PANDA_007014
EFB29772.1	hypothetical protein PANDA_007439
EFB20262.1	hypothetical protein PANDA_011212
EFB15777.1	hypothetical protein PANDA_011664
EFB19264.1	hypothetical protein PANDA_012508
EFB23489.1	hypothetical protein PANDA_016810
EFB18942.1	hypothetical protein PANDA_017787
EFB26073.1	hypothetical protein PANDA_020078
EFB19446.1	hypothetical protein PANDA_021081
XP_004220562.1	hypothetical protein PCYB_021640, partial
EPQ27948.1	hypothetical protein PFL1_06884
ETW52837.1	hypothetical protein PFUGPA_05145
XP_007144140.1	hypothetical protein PHAVU_007G132000g
XP_002788646.1	hypothetical protein Pmar_PMAR010183
XP_004995508.1	hypothetical protein PTSG_12080
XP_004992232.1	hypothetical protein PTSG_12494
CAG32134.1	hypothetical protein RCJMB04_1812
CAH65408.1	hypothetical protein RCJMB04_30a18
CAH65219.1	hypothetical protein RCJMB04_8p1
ETO32084.1	hypothetical protein RFI_05032
EXX78670.1	hypothetical protein RirG_013040
EXX73986.1	hypothetical protein RirG_055350
EXX68552.1	hypothetical protein RirG_104050
EXX67762.1	hypothetical protein RirG_111440
EXX65615.1	hypothetical protein RirG_131600
EXX63754.1	hypothetical protein RirG_149440
EXX57195.1	hypothetical protein RirG_209390
EXX56479.1	hypothetical protein RirG_215760
EXX55894.1	hypothetical protein RirG_221170
EXX54902.1	hypothetical protein RirG_230270
EXX54467.1	hypothetical protein RirG_234320
EXX52362.1	hypothetical protein RirG_253660
EXX50494.1	hypothetical protein RirG_270280

EIE75984.1	hypothetical protein RO3G_00688
EIE76623.1	hypothetical protein RO3G_01327
EIE76948.1	hypothetical protein RO3G_01652
EIE78118.1	hypothetical protein RO3G_02822
EIE78866.1	hypothetical protein RO3G_03571
EIE79059.1	hypothetical protein RO3G_03764
EIE80428.1	hypothetical protein RO3G_05133
EIE80563.1	hypothetical protein RO3G_05268
EIE80726.1	hypothetical protein RO3G_05431
EIE80930.1	hypothetical protein RO3G_05635
EIE83083.1	hypothetical protein RO3G_07788
EIE84136.1	hypothetical protein RO3G_08846
EIE84488.1	hypothetical protein RO3G_09198
EIE86069.1	hypothetical protein RO3G_10780
EIE86569.1	hypothetical protein RO3G_11280
EIE86570.1	hypothetical protein RO3G_11281
EIE86691.1	hypothetical protein RO3G_11402
EIE86775.1	hypothetical protein RO3G_11486
EIE86856.1	hypothetical protein RO3G_11567
EIE87070.1	hypothetical protein RO3G_11781
EIE87460.1	hypothetical protein RO3G_12171
EIE88243.1	hypothetical protein RO3G_12954
EIE88584.1	hypothetical protein RO3G_13295
EIE89849.1	hypothetical protein RO3G_14560
EIE90430.1	hypothetical protein RO3G_15141
EIE91154.1	hypothetical protein RO3G_15865
EIE91707.1	hypothetical protein RO3G_16418
EIE91717.1	hypothetical protein RO3G_16428
EIE91839.1	hypothetical protein RO3G_16550
EIE92118.1	hypothetical protein RO3G_16829
EQC37440.1	hypothetical protein SDRG_05043
EFZ10176.1	hypothetical protein SINV_07528
EEZ98274.1	hypothetical protein TcasGA2_TC000717
EFA13373.1	hypothetical protein TcasGA2_TC001390
EFA13520.1	hypothetical protein TcasGA2_TC001493
EFA12589.1	hypothetical protein TcasGA2_TC001828
EFA12602.1	hypothetical protein TcasGA2_TC001842
EEZ99596.1	hypothetical protein TcasGA2_TC002110
EFA07710.1	hypothetical protein TcasGA2_TC002187
EFA07723.1	hypothetical protein TcasGA2_TC002201
EFA07744.1	hypothetical protein TcasGA2_TC002224
EFA00731.1	hypothetical protein TcasGA2_TC003612
EFA11973.1	hypothetical protein TcasGA2_TC004054
EFA12643.1	hypothetical protein TcasGA2_TC004169
EFA11829.1	hypothetical protein TcasGA2_TC005278
EFA08485.1	hypothetical protein TcasGA2_TC006137
EFA13187.1	hypothetical protein TcasGA2_TC006862
EFA13069.1	hypothetical protein TcasGA2_TC006868
EFA13046.1	hypothetical protein TcasGA2_TC010748
EFA11986.1	hypothetical protein TcasGA2_TC011599
EFA13101.1	hypothetical protein TcasGA2_TC012970
EFA09128.1	hypothetical protein TcasGA2_TC015989
EEZ97640.1	hypothetical protein TcasGA2_TC016088
EPT24491.1	hypothetical protein TGME49_322800
EJK77363.1	hypothetical protein THAOC_00807, partial
EJK57240.1	hypothetical protein THAOC_22742, partial
ELW63296.1	hypothetical protein TREES_T100014083
XP_002115261.1	hypothetical protein TRIADDRAFT_59261
EMS58462.1	hypothetical protein TRIUR3_26054
EMP42703.1	hypothetical protein UY3_00021
EMP41168.1	hypothetical protein UY3_01587
EMP37243.1	hypothetical protein UY3_05557
EMP37257.1	hypothetical protein UY3_05571
EMP34645.1	hypothetical protein UY3_08222
EMP29043.1	hypothetical protein UY3_13873
EMP27441.1	hypothetical protein UY3_15462
EMP27444.1	hypothetical protein UY3_15465
CAN76561.1	hypothetical protein VITISV_010090
CAN80566.1	hypothetical protein VITISV_029672
XP_002947055.1	hypothetical protein VOLCADRAFT_87299
XP_002950957.1	hypothetical protein VOLCADRAFT_91473
XP_002951489.1	hypothetical protein VOLCADRAFT_92044
ENN83263.1	hypothetical protein YQE_00378, partial
ENN74725.1	hypothetical protein YQE_08692, partial
ENN74454.1	hypothetical protein YQE_08960, partial
ENN71680.1	hypothetical protein YQE_11604, partial
ETB57339.1	hypothetical protein YYC_04845
CDJ50610.1	hypothetical protein, conserved
XP_002260631.1	hypothetical protein, conserved in Plasmodium species

CDJ69006.1 hypothetical protein, conserved, partial
 WP_021531911.1 hypothetical protein, partial
 NP_001002056.1 hypoxanthine phosphoribosyltransferase 1, like
 XP_006216046.1 hypoxanthine-guanine phosphoribosyltransferase
 XP_006633050.1 hypoxanthine-guanine phosphoribosyltransferase-like
 AGT15726.1 hypoxia induced factor 1 alpha
 AGT15727.1 hypoxia induced factor 2 alpha
 NP_001187141.1 hypoxia induced factor-like factor
 NP_997868.1 hypoxia up-regulated protein 1 precursor
 NP_001012371.1 hypoxia-inducible factor 1, alpha subunit, like 2
 XP_001337610.3 hypoxia-inducible factor 1-alpha
 NP_001187142.1 hypoxia-inducible factor 1-alpha inhibitor
 AFD32324.1 hypoxia-inducible factor 2 alpha B, partial
 B3F211.1 IBP2B_DANRE RecName: Full=Insulin-like growth factor-binding protein 2-B; Short=IGF-binding protein 2-B; Short=IGFBP-2-B; Short=IGFBP-2b; Flags: Precursor
 XP_005159017.1 id:ibd5051 isoform X1
 XP_005159019.1 id:ibd5051 isoform X3
 AAI53922.1 Idh1 protein
 AAI50229.1 Idh3g protein
 ABK59973.1 iduronate 2-sulfatase
 NP_001073537.1 iduronate 2-sulfatase precursor
 AAI15126.1 Ier5 protein
 Q5RHH4.1 IF172_DANRE RecName: Full=Intraflagellar transport protein 172 homolog
 B5X7E4.1 IF43B_SALSA RecName: Full=Intraflagellar transport protein 43 homolog B
 AAP68824.1 IFN-inducible and antiviral protein
 ACS34986.1 IFN-regulatory factory 7
 AAA56684.1 Ig heavy chain V region, partial
 ACO08351.1 Ig kappa chain V region K29-213
 ACI66466.1 Ig kappa chain V-I region Walker precursor
 ADO28396.1 IG lambda chain v-ii region nIG-84
 ACI33025.1 Ig mu chain C region membrane-bound form
 NP_001187223.1 IgE receptor gamma
 NP_001187128.1 IGF2
 ABM88866.1 IGF2 mRNA-binding protein 1
 ABR66915.1 IGF1 receptor A
 AAN52151.1 IGF-1 receptor subtype a
 AAN52152.1 IGF-1 receptor subtype b
 ACR61401.1 IGF-II mRNA-binding protein 2a variant B
 XP_005165460.1 IgGfC-binding protein isoform X1
 XP_005165461.1 IgGfC-binding protein isoform X2
 XP_005165462.1 IgGfC-binding protein isoform X3
 XP_698212.6 IgGfC-binding protein isoform X4
 XP_005156461.1 IgGfC-binding protein-like
 AAI71648.1 Ighmbp2l protein
 XP_006638255.1 Ig-like V-type domain-containing protein FAM187A-like
 NP_001017775.2 igLON family member 5 precursor
 XP_003198246.1 ik:tdsubc_1b12

 Q4G3H4.1 IKKA_DANRE RecName: Full=Inhibitor of nuclear factor kappa-B kinase subunit alpha; Short=I kappa-B kinase alpha; Short=IKK-A; Short=IKK-alpha; Short=IkbKA; Short=IkappaB kinase; AltName: Full=Conserved helix-loop-helix ubiquitous kinase; AltName: Full=I-kappa-B kinase 1; Short=IKK1; AltName: Full=Nuclear factor NF-kappa-B inhibitor kinase alpha; Short=NFKBKA

 ADK47101.1 IKKbeta
 Q6DBW0.1 IKZF5_DANRE RecName: Full=Zinc finger protein Pegasus; AltName: Full=Ikaros family zinc finger protein 5
 NP_001233279.1 IL-10b protein precursor
 AHK80893.1 IL-12 p40
 AAI62934.1 I113ra1 protein
 AAZ43090.1 IL-15-like protein
 AAI63933.1 I117rd protein
 AGS58229.1 IL2-inducible T-cell kinase, partial
 ABS86035.1 IL-4RA-like protein 1 membrane anchored form
 ABI17540.2 IL-6 family cytokine M17
 NP_001165325.1 IL-6 subfamily member ciliary neurotrophic factor-like
 AAH56518.1 Im:6805837 protein
 AAH95820.1 Im:6894757 protein
 NP_001157278.1 im:6895556
 XP_005170766.1 im:6904482
 AAH76425.1 Im:6906849 protein, partial
 AAH90751.1 Im:6912380 protein, partial
 XP_002662959.2 im:7138475, partial
 AAI34837.1 Im:7138580 protein
 AAI25870.1 Im:7138629 protein
 AAI34997.1 Im:7139568 protein
 AAI33953.1 Im:7147183 protein
 XP_002666768.1 im:7147678 isoform X1
 XP_005170855.1 im:7147678 isoform X2
 AAH91841.1 Im:7149628 protein, partial
 AAI39858.1 Im:7150662 protein

XP_005162033.1	im:7155308 isoform X3
XP_697863.6	im:7155308 isoform X5
XP_694302.5	im:7159194
NP_001136055.1	immediate early response 2
AAH66470.1	Immediate early response 5-like
NP_001035139.1	immune-related, lectin-like receptor 1
XP_005158140.1	immunity-related GTPase family, e4 isoform X1
NP_001070079.1	immunity-related GTPase family, f4
NP_001265250.1	immunoglobulin superfamily, member 21a isoform 2 precursor
NP_001103943.1	immunoglobulin superfamily, member 21b precursor
ACD38569.1	immunoglobulin heavy chain variable region
ABB71071.1	immunoglobulin heavy chain variable region, partial
AAA49334.1	immunoglobulin heavy chain V-region, partial
BAC81199.1	Immunoglobulin light chain
ACG70845.1	immunoglobulin light chain lambda 1
ACH56973.1	immunoglobulin light chain lambda V1-1*02
ACG70844.2	immunoglobulin light chain sigma 1
NP_001013541.1	immunoglobulin superfamily containing leucine-rich repeat protein 2 precursor
XP_003199017.2	immunoglobulin superfamily DCC subclass member 3 isoform X1
XP_002662886.2	immunoglobulin superfamily DCC subclass member 4
XP_003969627.1	immunoglobulin superfamily DCC subclass member 4-like
XP_002664562.2	immunoglobulin superfamily member 10
XP_005808010.1	immunoglobulin superfamily member 11-like
XP_005953078.1	immunoglobulin superfamily member 1-like
XP_004069384.1	immunoglobulin superfamily member 21-like
XP_006641987.1	immunoglobulin superfamily member 21-like isoform X1
XP_006642634.1	immunoglobulin superfamily member 22-like
NP_001153138.1	immunoglobulin superfamily member 3 precursor
XP_003199212.2	immunoglobulin superfamily member 3-like
XP_689709.3	immunoglobulin superfamily member 5-like isoform X2
NP_996982.1	immunoglobulin superfamily member 8 precursor
XP_006195875.1	immunoglobulin superfamily, member 9B
NP_998687.1	immunoglobulin-binding protein 1
XP_005168832.1	immunoglobulin-like and fibronectin type III domain-containing protein 1-like
NP_001004642.1	immunoglobulin-like domain containing receptor 1b precursor
XP_005167906.1	immunoglobulin-like domain containing receptor 2 isoform X5
XP_003961832.1	immunoglobulin-like domain-containing receptor 1-like
XP_003197654.2	immunoglobulin-like domain-containing receptor 2-like
XP_005942271.1	immunoglobulin-like domain-containing receptor 2-like isoform X3
NP_001119928.1	immunoresponsive gene 1
NP_001071075.1	immunoresponsive gene 1, like
ERE60430.1	import receptor subunit TOM34-like protein
XP_701359.5	importin subunit alpha-1-like
NP_001002335.1	importin subunit alpha-2
NP_958462.1	importin subunit alpha-4
XP_006795205.1	importin subunit alpha-5-like
XP_005306413.1	importin subunit alpha-6 isoform X2
NP_001167161.1	Importin subunit alpha-6 precursor
XP_004569163.1	importin subunit alpha-6-like
XP_001923921.1	importin subunit alpha-7-like
NP_001032791.2	importin subunit beta-1
NP_001153133.1	importin-11 isoform 1
NP_001002302.1	importin-11 isoform 2
XP_005167213.1	importin-11 isoform X1
XP_002665826.2	importin-13 isoform X1
XP_006635367.1	importin-13-like
XP_005923259.1	importin-13-like isoform X1
XP_005163312.1	importin-13-like isoform X2
XP_694685.3	importin-13-like isoform X3
CBN81817.1	Importin-4
NP_001139076.1	importin-5
XP_005168365.1	importin-5 isoform X1
XP_004067050.1	importin-7-like
XP_006633170.1	importin-8-like
NP_998704.1	importin-9
XP_005169340.1	importin-9 isoform X1
XP_006628350.1	importin-9-like
XP_005013761.1	importin-9-like isoform X2
CBN81552.1	Inactive carboxypeptidase-like protein X2
XP_004080611.1	inactive carboxypeptidase-like protein X2-like
XP_006636421.1	inactive dipeptidyl peptidase 10-like
XP_005456526.1	inactive dipeptidyl peptidase 10-like isoform X1
XP_005456527.1	inactive dipeptidyl peptidase 10-like isoform X2
XP_004563142.1	inactive dipeptidyl peptidase 10-like isoform X4
XP_005172618.1	inactive dipeptidyl peptidase 10-like, partial
XP_003197655.1	inactive dual specificity phosphatase 27
XP_691045.2	inactive heparanase-2
NP_001188103.1	inactive hydroxysteroid dehydrogenase-like protein 1
XP_005155785.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2-like

XP_006011816.1 inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2-like, partial
 XP_005923782.1 inactive phospholipase C-like protein 2-like
 XP_004700008.1 inactive phospholipase D5
 XP_003963929.1 inactive phospholipase D5-like
 XP_003438491.1 inactive phospholipase D5-like isoform X1
 NP_001002228.1 inactive rhomboid protein 1
 XP_006246037.1 inactive rhomboid protein 1 isoform X1
 XP_691851.5 inactive rhomboid protein 1-like
 XP_005726038.1 inactive rhomboid protein 1-like isoform X1
 XP_005470252.1 inactive rhomboid protein 2-like isoform X1
 XP_001342276.3 inactive serine protease 35-like
 XP_001919563.3 inactive serine protease PAMR1-like
 XP_006641535.1 inactive serine/threonine-protein kinase VRK3-like
 XP_006638770.1 inactive tyrosine-protein kinase 7-like
 XP_005935300.1 inactive ubiquitin carboxyl-terminal hydrolase 53-like
 XP_005171014.1 inactive ubiquitin carboxyl-terminal hydrolase 53-like isoform X2
 XP_002663051.3 inactive ubiquitin carboxyl-terminal hydrolase 53-like, partial
 XP_003199659.2 inactive ubiquitin carboxyl-terminal hydrolase 54-like
 XP_004556649.1 inactive ubiquitin carboxyl-terminal hydrolase 54-like isoform X1
 NP_001082999.1 inactive Ufm1-specific protease 1
 NP_001120657.1 inaD-like protein
 XP_005161760.1 inaD-like protein isoform X1
 AAY68016.1 indian hedgehog precursor
 XP_005808551.1 indoleamine 2,3-dioxygenase 2-like
 ETE57916.1 infB, partial
 NP_954973.2 influenza virus NS1A-binding protein homolog A
 AAH46076.1 Ing3 protein
 NP_001038669.1 inhibin alpha chain precursor
 XP_002662616.2 inhibin beta B chain-like
 XP_005172993.1 inhibin beta B chain-like, partial
 NP_570991.1 inhibin, beta A precursor
 NP_001187106.1 inhibitor of apoptosis protein-1
 XP_005157916.1 inhibitor of Bruton tyrosine kinase
 XP_006794899.1 inhibitor of Bruton tyrosine kinase-like
 XP_005167511.1 inhibitor of growth protein 1 isoform X1
 XP_006639226.1 inhibitor of growth protein 1-like
 NP_001002448.1 inhibitor of growth protein 2
 NP_001018304.1 inhibitor of growth protein 4
 ACO13871.1 Inhibitor of growth protein 5
 XP_004080711.1 inhibitor of nuclear factor kappa-B kinase subunit alpha-like
 NP_001116737.1 inhibitor of nuclear factor kappa-B kinase subunit beta
 XP_006790014.1 inhibitor of nuclear factor kappa-B kinase subunit beta-like
 XP_005447147.1 inhibitor of nuclear factor kappa-B kinase subunit epsilon
 XP_006628628.1 inhibitor of nuclear factor kappa-B kinase subunit epsilon-like
 XP_005811998.1 inhibitor of nuclear factor kappa-B kinase-interacting protein-like
 XP_002666634.2 inner centromere protein
 XP_005164705.1 inner nuclear membrane protein Man1 isoform X1
 XP_005160637.1 INO80 complex homolog 1 isoform X3
 NP_001070726.1 INO80 complex subunit B
 XP_005155199.1 INO80 complex subunit C
 XP_005937610.1 INO80 complex subunit C-like
 XP_003199216.2 INO80 complex subunit D-like
 ADO28191.1 inorganic pyrophosphatase
 XP_005159940.1 inorganic pyrophosphatase 2, mitochondrial isoform X1
 ACI69907.1 Inorganic pyrophosphatase 2, mitochondrial precursor
 XP_006630408.1 inorganic pyrophosphatase-like
 NP_001187834.1 inosine triphosphate pyrophosphatase
 XP_005159064.1 inosine-5'-monophosphate dehydrogenase 1a isoform X1
 XP_005478424.1 inosine-5'-monophosphate dehydrogenase 2 isoform X3
 XP_003963056.1 inosine-5'-monophosphate dehydrogenase 2-like isoform 2
 XP_006790463.1 inosine-uridine preferring nucleoside hydrolase-like isoform X1
 AAY79345.1 inositol 1,3,4,5,6-pentakisphosphate 2-kinase
 CBN80985.1 Inositol 1,4,5-trisphosphate receptor type 1
 XP_005166152.1 inositol 1,4,5-trisphosphate receptor type 1 isoform X1
 XP_696007.6 inositol 1,4,5-trisphosphate receptor type 1 isoform X2
 XP_005172968.1 inositol 1,4,5-trisphosphate receptor type 1 isoform X3
 XP_003973196.1 inositol 1,4,5-trisphosphate receptor type 1-like
 XP_004544999.1 inositol 1,4,5-trisphosphate receptor type 1-like isoform X3
 XP_691057.6 inositol 1,4,5-trisphosphate receptor type 2, partial
 XP_003200491.2 inositol 1,4,5-trisphosphate receptor type 2-like
 XP_005814061.1 inositol 1,4,5-trisphosphate receptor type 3-like
 NP_001017872.1 inositol 1,4,5-trisphosphate receptor-interacting protein precursor
 XP_002932309.2 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1
 XP_005166585.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1 isoform X1
 XP_684718.4 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1 isoform X3
 XP_005938008.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1-like
 XP_006810985.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1-like, partial
 XP_002815811.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
 XP_002663536.2 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2 isoform X1

XP_005156513.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2 isoform X2
 XP_005156514.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2 isoform X3
 XP_006627019.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like
 XP_001920686.4 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like isoform X1
 XP_005460047.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like isoform X2
 XP_005163094.1 inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like isoform X8
 XP_692904.2 inositol hexakisphosphate kinase 1 isoform X2
 XP_006631021.1 inositol hexakisphosphate kinase 1-like
 XP_005799877.1 inositol hexakisphosphate kinase 2-like isoform X2
 NP_001002389.2 inositol hexaphosphate kinase 2
 XP_005166067.1 inositol hexaphosphate kinase 2 isoform X1
 NP_001002745.1 inositol monophosphatase 1
 NP_001018408.1 inositol monophosphatase 2
 NP_001032657.1 inositol monophosphatase 3
 CCP46956.1 inositol monophosphatase, partial
 XP_006633805.1 inositol oxygenase-like
 XP_683651.2 inositol polyphosphate 1-phosphatase-like isoform X2
 XP_005173314.1 inositol polyphosphate 5-phosphatase OCRL-1 isoform X1
 NP_001073533.1 inositol polyphosphate multikinase
 NP_001034224.2 inositol polyphosphate phosphatase-like 1
 AAI14331.1 Inositol polyphosphate-4-phosphatase, type I
 XP_005157680.1 inositol polyphosphate-5-phosphatase K isoform X1
 NP_001014346.1 inositol-pentakisphosphate 2-kinase
 NP_998182.1 inositol-tetrakisphosphate 1-kinase
 XP_006627582.1 inositol-tetrakisphosphate 1-kinase-like
 ACN11262.1 Inositol-trisphosphate 3-kinase A
 XP_003453123.1 inositol-trisphosphate 3-kinase A-like
 XP_686458.2 inositol-trisphosphate 3-kinase B isoform 1
 XP_002664353.3 inositol-trisphosphate 3-kinase B-like
 XP_002665435.3 inositol-trisphosphate 3-kinase C isoform 1
 XP_005459405.1 inositol-trisphosphate 3-kinase C-like isoform X1
 NP_571037.1 insulin gene enhancer protein isl-1
 XP_001094225.2 insulin gene enhancer protein ISL-1-like
 XP_005171317.1 insulin receptor a isoform X1
 NP_001136144.1 insulin receptor a precursor
 XP_695297.4 insulin receptor substrate 1
 XP_001920152.3 insulin receptor substrate 1-B isoform X1
 NP_956609.1 insulin receptor substrate 2
 XP_002666121.3 insulin receptor substrate 2-B-like
 AAQ97811.1 insulin receptor tyrosine kinase substrate
 XP_006640070.1 insulin receptor-like
 NP_956163.1 insulin-induced gene 1 protein
 ADO27989.1 insulin-induced gene 2 protein
 ERE67022.1 insulin-induced protein
 NP_001032758.1 insulin-like 5a precursor
 XP_006629058.1 insulin-like growth factor 1 receptor-like
 XP_005159093.1 insulin-like growth factor 1a receptor isoform X1
 ELK00780.1 Insulin-like growth factor 2 mRNA-binding protein 2
 XP_003961994.1 insulin-like growth factor 2 mRNA-binding protein 2-like
 XP_006636710.1 insulin-like growth factor 2 mRNA-binding protein 2-like isoform X2
 AGS58212.1 insulin-like growth factor 2 mRNA-binding protein 3
 ADO16599.1 insulin-like growth factor 3 transcript variant 2
 NP_001187237.1 insulin-like growth factor binding protein 1 precursor
 ACM47497.1 insulin-like growth factor binding protein 2
 NP_001266099.1 insulin-like growth factor binding protein 3 paralog B2 precursor
 NP_001187185.1 insulin-like growth factor binding protein 3 precursor
 NP_001092224.1 insulin-like growth factor binding protein 5b precursor
 AHG98125.1 insulin-like growth factor binding protein 5B-2, partial
 NP_001154873.1 insulin-like growth factor binding protein 6a precursor
 NP_001118120.1 insulin-like growth factor binding protein-related protein 1 precursor
 NP_001187224.1 insulin-like growth factor I precursor
 ADO27799.1 insulin-like growth factor II
 XP_003980042.1 insulin-like growth factor-binding protein 1-like
 XP_006636700.1 insulin-like growth factor-binding protein 5-like
 NP_998089.1 insulin-like growth factor-binding protein 7 precursor
 NP_991207.1 insulinoma-associated protein 1a
 XP_006626200.1 insulinoma-associated protein 1-like
 XP_001332514.2 insulinoma-associated protein 2-like
 XP_006633031.1 integral membrane protein 2A-like
 ADO28078.1 integral membrane protein 2b
 ACI33634.1 Integral membrane protein 2C
 XP_003965575.1 integral membrane protein DGCR2/IDD-like
 XP_005934728.1 integral membrane protein DGCR2/IDD-like isoform X4
 XP_004065659.1 integral membrane protein GPR137B-like

NP_001007434.1 integral membrane protein GPR137C
 XP_006632552.1 integral membrane protein GPR137C-like
 XP_005814266.1 integral membrane protein GPR137-like
 XP_005165859.1 integral membrane protein GPR155 isoform X2
 XP_005172576.1 integral membrane protein GPR155-like
 NP_001133635.1 Integral membrane protein GPR175
 NP_001133977.1 Integral membrane protein GPR177
 XP_006639065.1 integral membrane protein GPR180-like
 XP_002662615.3 integral membrane protein GPR180-like isoform X1
 XP_003198200.2 integrator complex subunit 1 isoform 1
 ETE63579.1 Integrator complex subunit 1, partial
 NP_001167059.1 Integrator complex subunit 10
 XP_005169620.1 integrator complex subunit 10 isoform X3
 XP_004073343.1 integrator complex subunit 10-like
 XP_005467732.1 integrator complex subunit 10-like isoform X3
 NP_001018457.1 integrator complex subunit 11
 XP_005166266.1 integrator complex subunit 11 isoform X2
 XP_005798981.1 integrator complex subunit 11-like isoform X1
 XP_002660509.1 integrator complex subunit 12-like isoform X1
 XP_006637023.1 integrator complex subunit 1-like
 NP_001018378.2 integrator complex subunit 2
 XP_003458085.2 integrator complex subunit 2-like isoform X1
 NP_001038397.1 integrator complex subunit 3
 NP_001167179.1 Integrator complex subunit 4
 XP_006627872.1 integrator complex subunit 4-like
 XP_693062.2 integrator complex subunit 5-like
 NP_001119900.1 integrator complex subunit 6
 XP_004563268.1 integrator complex subunit 6-like isoform X1
 XP_005719549.1 integrator complex subunit 6-like isoform X3
 XP_006625930.1 integrator complex subunit 7-like
 XP_005475033.1 integrator complex subunit 7-like isoform X2
 NP_001018592.2 integrator complex subunit 8
 XP_006625762.1 integrator complex subunit 9-like
 AAV65699.1 integrin alpha 11 subunit, partial
 AEV57492.1 integrin alpha 8, partial
 NP_001017908.2 integrin alpha FG-GAP repeat containing 2
 AAV66421.1 integrin alpha V subunit
 XP_005392784.1 integrin alpha-1
 XP_003200204.1 integrin alpha-10 isoform X1
 XP_005732129.1 integrin alpha-10-like
 XP_695559.5 integrin alpha-11
 XP_003976296.1 integrin alpha-1-like
 XP_003199352.2 integrin alpha-2-like
 CBN81252.1 Integrin alpha-3
 XP_004446631.1 integrin alpha-3 isoform 1
 XP_696861.6 integrin alpha-3 isoform X2
 XP_006638407.1 integrin alpha-3-like
 XP_002663459.2 integrin alpha-4
 XP_006788190.1 integrin alpha-4-like
 NP_001004288.2 integrin alpha-5 precursor
 XP_005799017.1 integrin alpha-5-like
 XP_682813.6 integrin alpha-6
 XP_005393271.1 integrin alpha-6 isoform X1
 XP_002663724.3 integrin alpha-7
 CBN80857.1 Integrin alpha-7 Integrin alpha-7 heavy chain Integrin alpha-7 light chain
 XP_005944400.1 integrin alpha-7-like
 AEU12477.1 integrin alpha-8
 XP_001919452.4 integrin alpha-9
 XP_002664631.3 integrin alpha-E-like
 NP_001003857.1 integrin alpha-IIb
 XP_005171121.1 integrin alpha-L isoform X2
 XP_003980037.1 integrin alpha-M-like, partial
 NP_001028893.1 integrin alpha-V precursor
 XP_003207459.1 integrin alpha-V-like
 XP_003976960.1 integrin alpha-V-like, partial
 XP_005156064.1 integrin alpha-X-like
 XP_005755069.1 integrin alpha-X-like, partial
 AAI63207.1 Integrin beta 3b
 XP_004082307.1 integrin beta-1-binding protein 1-like
 NP_001076417.1 integrin beta-3 precursor
 XP_006791277.1 integrin beta-3-like
 XP_004071608.1 integrin beta-3-like, partial
 XP_005722028.1 integrin beta-4-like
 XP_006805843.1 integrin beta-5-like
 XP_003199474.1 integrin beta-6 isoform X1
 XP_006636683.1 integrin beta-6-like
 XP_001337949.3 integrin beta-7-like
 XP_001919626.4 integrin beta-8
 NP_001019243.1 integrin beta-like protein 1 precursor

XP_006638963.1 integrin beta-like protein 1-like
 NP_001166098.1 integrin, alpha 1a precursor
 AA163305.1 Integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B)
 NP_001177238.1 integrin, alpha 3b precursor
 AA163501.1 Integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
 NP_001013466.1 integrin, alpha 6b precursor
 AA163566.1 Integrin, alpha V
 NP_001187015.2 integrin, beta 1 precursor
 XP_005170668.1 integrin, beta 1a isoform X1
 XP_005170669.1 integrin, beta 1a isoform X2
 NP_001030143.1 integrin, beta 1a precursor
 XP_005166847.1 integrin, beta 4 isoform X1
 NP_001019557.1 integrin, beta 4 precursor
 EMP30041.1 Integrin-linked protein kinase
 XP_006628333.1 integrin-linked protein kinase-like
 XP_005950885.1 integumentary mucin C.1-like, partial
 ABW07848.1 intelectin 1
 NP_001187175.1 intelectin 1 precursor
 BAL14267.1 intelectin gill-type
 NP_001187176.1 intelectin-2 precursor
 NP_001133259.1 Interactor protein for cytohesin exchange factors 1
 ACO51209.1 inter-alpha (globulin) inhibitor H2
 XP_005164873.1 inter-alpha (globulin) inhibitor H2 isoform X1
 XP_005155749.1 inter-alpha (globulin) inhibitor H3 isoform X1
 XP_693183.4 inter-alpha-trypsin inhibitor heavy chain H3-like
 NP_001020335.1 inter-alpha-trypsin inhibitor heavy chain H4 precursor
 XP_001331201.3 inter-alpha-trypsin inhibitor heavy chain H5
 XP_005993946.1 inter-alpha-trypsin inhibitor heavy chain H5 isoform X2
 XP_006633407.1 inter-alpha-trypsin inhibitor heavy chain H5-like
 XP_693697.4 inter-alpha-trypsin inhibitor heavy chain H6
 NP_001187228.1 interferon 2 precursor
 NP_001187146.1 interferon gamma 1 precursor
 ABC75582.1 interferon gamma inducible protein 30
 NP_001006057.1 interferon gamma inducible protein 30 precursor
 NP_001129451.2 interferon gamma receptor 1 precursor
 BAJ39817.1 interferon gamma receptor alpha chain
 NP_001187096.1 interferon induced protein 2
 NP_991310.1 interferon regulatory factor 1
 ACT83676.1 interferon regulatory factor 10
 XP_006630630.1 interferon regulatory factor 1-like
 AFV99156.1 interferon regulatory factor 2
 NP_001037819.2 interferon regulatory factor 2-binding protein 1
 NP_001133325.1 Interferon regulatory factor 2-binding protein 2-A
 XP_005156067.1 interferon regulatory factor 3 isoform X1
 NP_001116182.1 interferon regulatory factor 4
 ACT83674.1 interferon regulatory factor 5
 XP_005164675.1 interferon regulatory factor 5 isoform X1
 XP_006628491.1 interferon regulatory factor 6-like
 XP_003967453.1 interferon regulatory factor 7-like
 AHB59740.1 interferon regulatory factor 8
 XP_006641295.1 interferon regulatory factor 8-like
 XP_005156115.1 interferon regulatory factor 9 isoform X1
 NP_001187103.1 interferon-induced GTP-binding protein Mx1
 XP_003798158.1 interferon-induced GTP-binding protein Mx2
 XP_001920731.2 interferon-induced GTP-binding protein Mx-like
 ACN11353.1 Interferon-induced guanylate-binding protein 1
 XP_005171468.1 interferon-induced guanylate-binding protein 1 isoform X1
 XP_005171472.1 interferon-induced guanylate-binding protein 1 isoform X5
 XP_691524.6 interferon-induced guanylate-binding protein 1 isoform X6
 XP_006831130.1 interferon-induced guanylate-binding protein 1-like
 XP_003749458.2 interferon-induced guanylate-binding protein 1-like isoform X1
 NP_001265741.1 interferon-induced helicase C domain-containing protein 1
 NP_001133872.1 Interferon-induced protein 44
 XP_005302427.1 interferon-induced protein 44-like
 XP_004564835.1 interferon-induced protein 44-like isoform X1
 XP_005454096.1 interferon-induced protein 44-like isoform X2
 XP_005284170.1 interferon-induced very large GTPase 1-like
 XP_005168493.1 interferon-induced very large GTPase 1-like isoform X1
 XP_684086.4 interferon-induced very large GTPase 1-like isoform X2
 XP_005315162.1 interferon-induced very large GTPase 1-like, partial
 NP_001107942.1 interferon-induced, double-stranded RNA-activated protein kinase
 XP_005723577.1 interferon-inducible double stranded RNA-dependent protein kinase activator A homolog
 XP_693683.5 interferon-inducible GTPase 5
 XP_692288.3 interferon-inducible GTPase 5-like
 AAP42145.1 interferon-inducible protein IFI58
 NP_001070023.1 interferon-related developmental regulator 1
 NP_001003621.1 interferon-related developmental regulator 2
 XP_002664971.1 interferon-stimulated 20 kDa exonuclease-like 2-like
 NP_001117024.1 interleukin 1 receptor accessory protein precursor

XP_002663470.3	interleukin 1 receptor-like 1
NP_001007108.1	interleukin 12a precursor
NP_001093473.1	interleukin 17A receptor precursor
NP_001018634.1	interleukin 17a/f2 precursor
NP_001018626.1	interleukin 17a/f3 precursor
NP_001018624.1	interleukin 17c precursor
NP_001121743.1	interleukin 2 receptor, gamma a precursor
NP_001116522.1	interleukin 2 receptor, gamma b precursor
NP_001018628.1	interleukin 22
NP_001106978.1	interleukin 23 receptor
XP_005166309.1	interleukin 23 receptor isoform X1
NP_001018635.1	interleukin 26 precursor
NP_001106979.2	interleukin 7 receptor precursor
XP_005165780.1	interleukin enhancer binding factor 3a isoform X1
ACI33537.1	Interleukin enhancer-binding factor 2 homolog
XP_004561043.1	interleukin enhancer-binding factor 2 homolog isoform X1
NP_001135193.1	interleukin enhancer-binding factor 3 homolog
XP_005163798.1	interleukin enhancer-binding factor 3 homolog isoform X3
NP_001187149.1	interleukin-1 beta
AGW43283.1	interleukin-1 receptor 2
XP_005174753.1	interleukin-1 receptor accessory protein-like 1-A isoform X2
XP_003966498.1	interleukin-1 receptor accessory protein-like 1-B-like
XP_005450074.1	interleukin-1 receptor accessory protein-like 1-B-like isoform X2
XP_005805061.1	interleukin-1 receptor accessory protein-like 1-like
XP_006639242.1	interleukin-1 receptor accessory protein-like 1-like isoform X2
XP_002934551.2	interleukin-1 receptor type 1
NP_001117832.1	interleukin-1 receptor type 1 precursor
XP_001339589.5	interleukin-1 receptor type 1-like
XP_005166760.1	interleukin-1 receptor-associated kinase 1 isoform X1
NP_001018607.1	interleukin-1 receptor-associated kinase 1-binding protein 1 homolog
NP_001188114.1	interleukin-1 receptor-associated kinase 4
ACI66319.1	Interleukin-10 receptor beta chain precursor
XP_005750400.1	interleukin-10 receptor subunit beta-like
CAG14936.1	interleukin-11
NP_001158802.1	Interleukin-12 receptor beta-2 chain precursor
NP_001106977.1	interleukin-12 receptor subunit beta-2
XP_005156016.1	interleukin-12 receptor subunit beta-2-like
XP_001343684.2	interleukin-12 subunit alpha-like
XP_002666092.2	interleukin-12 subunit beta
ACO13812.1	Interleukin-13 receptor alpha-1 chain precursor
NP_001133641.1	Interleukin-13 receptor alpha-2 chain precursor
XP_006631248.1	interleukin-17 receptor C-like
XP_688141.3	interleukin-17 receptor D
XP_006625442.1	interleukin-17 receptor D-like
XP_005172555.1	interleukin-17 receptor E-like
XP_006631779.1	interleukin-17B-like
XP_005171649.1	interleukin-2 receptor subunit beta isoform X1
XP_005172113.1	interleukin-2 receptor subunit beta-like
NP_001076424.1	interleukin-20
ADB81777.1	interleukin-21 precursor
NP_001106982.1	interleukin-21 receptor precursor
NP_001038744.1	interleukin-22 receptor subunit alpha-2 precursor
XP_005750390.1	interleukin-22 receptor subunit alpha-2-like isoform X1
CBM41294.1	Interleukin-23 p19
NP_001106980.1	interleukin-27 subunit beta precursor
NP_001167441.1	Interleukin-31 receptor A precursor
NP_001107790.1	interleukin-6 receptor subunit alpha
XP_003198142.2	interleukin-6 receptor subunit beta
NP_001106976.1	interleukin-6 receptor subunit beta precursor
XP_005938714.1	interleukin-6 receptor subunit beta-like
AGR82313.1	interleukin-6a
ADJ53042.1	interleukin-8 precursor
XP_690165.5	intermediate filament family orphan 1
XP_005457590.1	intermediate filament family orphan 1-like isoform X3
XP_005162257.1	intermediate filament family orphan 2-like isoform X2
XP_004069227.1	intermediate filament protein ON3-like
NP_955828.1	interneuron neuronal intermediate filament protein, alpha
XP_687155.5	interphotoreceptor matrix proteoglycan 1-like
XP_005167825.1	interphotoreceptor matrix proteoglycan 2 isoform X1
XP_005031718.1	interphotoreceptor matrix proteoglycan 2-like
AFR58505.1	interphotoreceptor retinoid-binding protein 2, partial
XP_005160634.1	intersectin 2a isoform X1
NP_997065.1	intersectin-1
XP_005171028.1	intersectin-1 isoform X1
XP_005171030.1	intersectin-1 isoform X3
XP_006639153.1	intersectin-1-like
NP_001003547.2	intersectin-2
XP_005158835.1	intersectin-2 isoform X1
XP_006643002.1	intersectin-2-like

AFP97547.1	intestinal mucin, partial
XP_006642802.1	intestinal mucin-like protein-like, partial
XP_005800393.1	intestinal-type alkaline phosphatase 1-like
XP_005161919.1	intestinal-type alkaline phosphatase isoform X1
XP_005454009.1	intestinal-type alkaline phosphatase-like
XP_005800394.1	intestinal-type alkaline phosphatase-like, partial
XP_004937857.1	intestine-specific homeobox isoform X7
NP_001140145.1	Intracellular hyaluronan-binding protein 4
XP_005163392.1	intracellular protein transport protein USO1-like
XP_005172605.1	intracellular protein transport protein USO1-like isoform X2
NP_001268321.1	intracellular-type I interferon receptor
EDK99541.1	intraflagellar transport 122 homolog (Chlamydomonas), isoform CRA_a
ACO09308.1	Intraflagellar transport 52 homolog
AAI63882.1	Intraflagellar transport 81 homolog
NP_998055.1	intraflagellar transport protein 122 homolog
XP_006796498.1	intraflagellar transport protein 122 homolog isoform X1
XP_005805720.1	intraflagellar transport protein 122 homolog isoform X2
XP_695732.4	intraflagellar transport protein 140 homolog
XP_006625821.1	intraflagellar transport protein 172 homolog
XP_002748309.1	intraflagellar transport protein 20 homolog isoform 2
XP_005474474.1	intraflagellar transport protein 20 homolog isoform X3
XP_006636883.1	intraflagellar transport protein 27 homolog isoform X1
XP_006642340.1	intraflagellar transport protein 46 homolog
NP_001001834.2	intraflagellar transport protein 52 homolog
NP_001187795.1	intraflagellar transport protein 57 homolog
XP_006626640.1	intraflagellar transport protein 74 homolog
NP_001008625.1	intraflagellar transport protein 80 homolog
XP_005930085.1	intraflagellar transport protein 80 homolog isoform X5
XP_005996489.1	intraflagellar transport protein 81 homolog
XP_005167588.1	intraflagellar transport protein 88 homolog isoform X4
NP_956758.2	intron-binding protein aquarius
XP_005942710.1	intron-binding protein aquarius-like
AAI55059.1	Ints3 protein
BAC53768.1	invariant chain like protein 2
XP_005158096.1	inversin isoform X1
XP_005158097.1	inversin isoform X2
XP_006635801.1	inversin-like
XP_005159026.1	inverted formin-2-like
NP_001039014.1	inward rectifier potassium channel 13
XP_001341428.4	inward rectifier potassium channel 16-like
XP_003200214.1	inward rectifier potassium channel 2 isoform X1
XP_696511.1	iodotyrosine dehalogenase 1
XP_005165248.1	iporin isoform X2
XP_005165250.1	iporin isoform X4
XP_005155711.1	iporin-like
Q4JL91.3	IPPK_DANRE RecName: Full=Inositol-pentakisphosphate 2-kinase; AltName: Full=Inositol-1,3,4,5,6-pentakisphosphate 2-kinase; AltName: Full=Ins(1,3,4,5,6)P5 2-kinase; Short=InsP5 2-kinase
XP_002932048.1	IQ and AAA domain-containing protein 1
XP_006636480.1	IQ and AAA domain-containing protein 1-like
NP_001073437.2	IQ and AAA domain-containing protein-like
XP_002666923.1	IQ and ubiquitin-like domain-containing protein-like
XP_006637906.1	IQ domain-containing protein G-like
XP_007179261.1	IQ motif and SEC7 domain-containing protein 1
XP_002666461.3	IQ motif and SEC7 domain-containing protein 1-like
XP_006631102.1	IQ motif and SEC7 domain-containing protein 1-like isoform X1
XP_004559923.1	IQ motif and SEC7 domain-containing protein 1-like isoform X3
XP_004546225.1	IQ motif and SEC7 domain-containing protein 1-like isoform X6
XP_005169391.1	IQ motif and SEC7 domain-containing protein 1-like isoform X7
XP_001337643.5	IQ motif and SEC7 domain-containing protein 2 isoform X1
XP_005167294.1	IQ motif and SEC7 domain-containing protein 2 isoform X2
XP_688954.6	IQ motif and SEC7 domain-containing protein 2 isoform X5
XP_005164894.1	IQ motif and SEC7 domain-containing protein 3
ETE71221.1	IQ motif and SEC7 domain-containing protein 3, partial
XP_006633814.1	IQ motif and SEC7 domain-containing protein 3-like
XP_005166456.1	IQ motif and SEC7 domain-containing protein 3-like isoform X2
XP_005166458.1	IQ motif and SEC7 domain-containing protein 3-like isoform X4
NP_001008622.1	IQ motif containing B1
XP_005156957.1	IQ motif containing C isoform X1
XP_001920847.4	IQ motif containing GTPase activating protein 1
XP_005165300.1	IQ motif containing GTPase activating protein 2 isoform X1
NP_001092201.2	IQ motif containing with AAA domain 1
NP_001038594.1	IQ motif-containing protein H
AAI42594.1	Iqca1 protein
AFM09716.1	IRAK-1
AAH98615.1	Irak3 protein
B6ZK76.1	IRL1A_DANRE RecName: Full=Interleukin-1 receptor accessory protein-like 1-A; Flags: Precursor
NP_001092720.1	iron/zinc purple acid phosphatase-like protein precursor

XP_006632576.1	iron/zinc purple acid phosphatase-like protein-like
XP_005916962.1	iron/zinc purple acid phosphatase-like protein-like isoform X1
XP_001341791.3	iron-responsive element-binding protein 2 isoform X1
XP_005163029.1	iron-responsive element-binding protein 2 isoform X2
XP_005931759.1	iron-responsive element-binding protein 2-like
XP_005738209.1	iron-sulfur cluster assembly 1 homolog, mitochondrial-like
XP_003200417.1	iron-sulfur cluster assembly 2 homolog, mitochondrial isoform 2
NP_001121870.1	iron-sulfur cluster co-chaperone protein HscB, mitochondrial
AAW34336.1	Iroquois 2a protein
AAH77101.1	Iroquois homeobox protein 1, b
NP_998265.1	iroquois homeobox protein 3b
NP_571956.1	iroquois homeobox protein 7
ABQ86047.1	iroquois homeobox-like protein 1b
XP_005432865.1	iroquois-class homeodomain protein irx-2-like
XP_006635941.1	iroquois-class homeodomain protein irx-4-B-like
XP_004077810.1	iroquois-class homeodomain protein irx-4-like
XP_005169033.1	iroquois-class homeodomain protein IRX-6 isoform X1
AAI33869.1	Irx5a protein
XP_002661886.3	islet amyloid polypeptide-like
XP_003450333.1	islet cell autoantigen 1-like isoform X1
XP_005165888.1	islet cell autoantigen 1-like isoform X5
XP_006636826.1	islet cell autoantigen 1-like protein-like
XP_005723992.1	isoamyl acetate-hydrolyzing esterase 1 homolog
NP_001013547.1	isoaspartyl peptidase/L-asparaginase
XP_005156981.1	isoaspartyl peptidase/L-asparaginase isoform X1
XP_003441046.1	isoaspartyl peptidase/L-asparaginase-like
XP_005459643.1	isobutyryl-CoA dehydrogenase, mitochondrial isoform X2
XP_006642359.1	isobutyryl-CoA dehydrogenase, mitochondrial-like
NP_001073450.1	isochorismatase domain-containing protein 1
NP_001188235.1	isochorismatase domain-containing protein 2, mitochondrial
NP_001017713.1	isocitrate dehydrogenase 3 (NAD+) gamma
NP_001187671.1	isocitrate dehydrogenase NAD subunit alpha, mitochondrial
XP_005161218.1	isocitrate dehydrogenase NAD subunit beta, mitochondrial isoform X1
NP_001230101.1	isocitrate dehydrogenase NAD subunit gamma, mitochondrial
XP_005477943.1	isocitrate dehydrogenase NAD subunit gamma, mitochondrial-like isoform X1
XP_003976077.1	isocitrate dehydrogenase NADP cytoplasmic-like
XP_003260531.1	isoleucine--tRNA ligase, cytoplasmic isoform 1
XP_004068708.1	isoleucine--tRNA ligase, cytoplasmic-like
XP_006786023.1	isoleucine--tRNA ligase, mitochondrial-like
XP_005453413.1	isoleucine--tRNA ligase, mitochondrial-like isoform X2
ELK03385.1	Isoleucyl-tRNA synthetase, cytoplasmic
XP_005158542.1	isoleucyl-tRNA synthetase, mitochondrial isoform X1
NP_001187308.1	isopentenyl-diphosphate Delta-isomerase 1
NP_001071270.1	isoprenoid synthase domain-containing protein
XP_006791890.1	isoprenoid synthase domain-containing protein-like isoform X4
AFW98246.1	isotocin-neurophysin precursor
XP_006812241.1	isovaleryl-CoA dehydrogenase, mitochondrial-like
A0JPF9.2	ISPD_DANRE RecName: Full=Isoprenoid synthase domain-containing protein; AltName: Full=2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase-like protein
XP_006060447.1	IST1 homolog isoform X2
XP_003200388.1	isthmin-2-like
NP_001274024.1	itchy E3 ubiquitin protein ligase a
AAI39896.1	Irgb5 protein
AAH68357.1	Itn2ba protein
Q7ZU91.2	ITPK1_DANRE RecName: Full=Inositol-tetrakisphosphate 1-kinase; AltName: Full=Inositol 1,3,4-trisphosphate 5/6-kinase; Short=Inositol-triphosphate 5/6-kinase; Short=Ins(1,3,4)P(3) 5/6-kinase
AAH66513.1	Ivns1abpa protein
XP_002663229.2	izumo sperm-egg fusion protein 1-like
AAI62468.1	Jag1a protein
AAI22097.1	Jag2 protein
NP_001187572.1	jagunal-like 1-b
Q09178.1	JAK1_CYPKA RecName: Full=Tyrosine-protein kinase JAK1; AltName: Full=Janus kinase 1; Short=JAK-1
AAI34234.1	Jam3 protein
NP_571168.1	Janus kinase 2a
EPQ06700.1	Janus kinase and microtubule-interacting protein 1
XP_005452597.1	janus kinase and microtubule-interacting protein 2 isoform X2
XP_006732699.1	janus kinase and microtubule-interacting protein 2, partial
XP_006000188.1	janus kinase and microtubule-interacting protein 3
XP_683768.4	janus kinase and microtubule-interacting protein 3 isoform X2
XP_006630462.1	janus kinase and microtubule-interacting protein 3-like
XP_005173029.1	janus kinase and microtubule-interacting protein 3-like isoform X2
XP_003437906.1	jmjC domain-containing protein 4-like
NP_001017615.1	jmjC domain-containing protein 7
XP_003198040.1	jmjC domain-containing protein 8-like
ABS20065.1	JNK1
NP_956776.2	JNK1/MAPK8-associated membrane protein
XP_003977481.1	JNK1/MAPK8-associated membrane protein-like

NP_001187389.1 josephin-1
 NP_001071029.1 jouberin
 AAH91782.1 Jph2 protein
 XP_003971756.1 jun dimerization protein 2-like
 XP_005158991.1 jun dimerization protein 2-like isoform X1
 XP_002665522.2 junction plakoglobin-like
 XP_004575854.1 junction plakoglobin-like isoform X1
 NP_001091734.1 junctional adhesion molecule 2a precursor
 XP_005431222.1 junctional adhesion molecule A
 XP_004920260.1 junctional adhesion molecule A-like, partial
 XP_001338123.1 junctional adhesion molecule C
 XP_001341226.4 junctional protein associated with coronary artery disease-like isoform X1
 NP_998437.1 junction-mediating and -regulatory protein
 XP_005463733.1 junction-mediating and -regulatory protein-like
 NP_001159728.1 junctophilin 1a
 NP_001037813.1 junctophilin 1b
 XP_003977398.1 junctophilin-1-like
 NP_001082833.1 junctophilin-2
 XP_693582.3 junctophilin-3-like
 XP_005159575.1 juxtaposed with another zinc finger protein 1 isoform X1
 XP_003454426.1 juxtaposed with another zinc finger protein 1-like
 NP_001133835.1 K0020 protein
 NP_001133992.1 K0841 protein

 Q1RMB5.2 K1644_DANRE RecName: Full=Uncharacterized protein KIAA1644 homolog; Flags: Precursor

 NP_001019819.1 k23
 ADH04491.1 Kaiso
 XP_005017599.1 kalirin
 XP_005001168.1 kalirin isoform X4
 XP_006752403.1 kalirin, RhoGEF kinase
 XP_005165790.1 kalirin, RhoGEF kinase b isoform X1
 XP_005165814.1 kalirin-like
 AAH60938.1 Kallmann syndrome 1a sequence
 XP_005161918.1 Kallmann syndrome 1b sequence isoform X1
 NP_571454.1 Kallmann syndrome 1b sequence precursor
 XP_005158923.1 kanadapin isoform X1
 XP_006626420.1 kanadapin-like
 BAO48191.1 kappa opioid receptor
 NP_001003642.1 kaptin
 NP_998235.1 karyopherin alpha 7 (importin alpha 8)

 Q7T3E5.2 KAT3_DANRE RecName: Full=Kynurenine--oxoglutarate transaminase 3; AltName: Full=Cysteine-S-conjugate beta-lyase 2; AltName: Full=Kynurenine aminotransferase III; Short=KATIII; AltName: Full=Kynurenine--glyoxylate transaminase; AltName: Full=Kynurenine--oxoglutarate transaminase III

 XP_005156070.1 KAT8 regulatory NSL complex subunit 1 isoform X1
 XP_692939.5 KAT8 regulatory NSL complex subunit 1 isoform X2
 XP_005171653.1 KAT8 regulatory NSL complex subunit 1-like isoform X1
 XP_005173821.1 KAT8 regulatory NSL complex subunit 1-like isoform X2
 XP_006802420.1 KAT8 regulatory NSL complex subunit 1-like protein-like isoform X1
 XP_006638355.1 KAT8 regulatory NSL complex subunit 1-like, partial
 XP_005162220.1 KAT8 regulatory NSL complex subunit 2 isoform X1
 XP_005167400.1 KAT8 regulatory NSL complex subunit 3 isoform X1
 XP_006625529.1 KAT8 regulatory NSL complex subunit 3-like
 XP_004544359.1 KAT8 regulatory NSL complex subunit 3-like isoform X1
 NP_001018440.1 katanin p60 ATPase-containing subunit A1
 NP_001007432.1 katanin p60 ATPase-containing subunit A-like 1
 NP_001032491.1 katanin p60 ATPase-containing subunit A-like 2
 XP_006627315.1 katanin p60 ATPase-containing subunit A-like 2-like
 NP_001006019.1 katanin p80 subunit B-like 1
 NP_998183.1 katanin p80 WD40 repeat-containing subunit B1
 XP_006641515.1 katanin p80 WD40 repeat-containing subunit B1-like
 NP_001098594.1 Kazal-type serine peptidase inhibitor domain 2
 NP_001116791.1 kazal-type serine protease inhibitor domain-containing protein 1 precursor
 NP_001121761.1 kazrin-A
 XP_004554181.1 kazrin-like isoform X5
 A8WE67.1 KBP_DANRE RecName: Full=KIF1-binding protein homolog
 AA154160.1 Kctd12.2 protein
 XP_005994557.1 KDEL motif-containing protein 1
 XP_004566097.1 KDEL motif-containing protein 1-like isoform X1
 NP_001092215.1 KDEL motif-containing protein 2
 XP_006627951.1 KDEL motif-containing protein 2-like
 Q5RHD1.2 KDM7A_DANRE RecName: Full=Lysine-specific demethylase 7A; Short=DrKDM7a; AltName: Full=JmjC domain-containing histone demethylation protein 1D-A
 KDM7B_DANRE RecName: Full=Lysine-specific demethylase 7B; Short=DrKDM7b; AltName: Full=JmjC domain-containing histone demethylation protein 1D-B

 POCF52.1 Kelch domain-containing protein 1
 CBN81669.1 kelch domain-containing protein 10
 XP_005533153.1 kelch domain-containing protein 10-like
 XP_006633520.1 kelch domain-containing protein 2
 XP_005173625.1 kelch domain-containing protein 2

XP_005801379.1	kelch domain-containing protein 2-like
XP_003203715.1	kelch domain-containing protein 3-like
XP_005163132.1	kelch domain-containing protein 4 isoform X1
XP_006641381.1	kelch domain-containing protein 4-like
XP_001340052.2	kelch domain-containing protein 7A-like
XP_001334194.3	kelch domain-containing protein 8A-like
XP_003457014.1	kelch domain-containing protein 8B-like isoform X1
XP_003966589.1	kelch repeat and BTB domain-containing protein 10-like
XP_005156313.1	kelch repeat and BTB domain-containing protein 13-like
NP_001070628.1	kelch repeat and BTB domain-containing protein 2
XP_006628173.1	kelch repeat and BTB domain-containing protein 3-like
XP_006642751.1	kelch repeat and BTB domain-containing protein 4-like
XP_001334231.1	kelch repeat and BTB domain-containing protein 7
XP_006784674.1	kelch repeat and BTB domain-containing protein 8-like
AAI08044.1	Kelch repeat-containing protein
XP_003199199.1	kelch-like 13-like
AAH71523.1	Kelch-like 18 (Drosophila)
NP_945330.1	kelch-like 41b
NP_001106948.1	kelch-like ECH-associated protein 1
XP_006631664.1	kelch-like ECH-associated protein 1-like
NP_001008095.1	kelch-like family member 13
NP_001072337.1	kelch-like family member 24
XP_006004318.1	kelch-like protein 10
EMC78562.1	Kelch-like protein 10, partial
XP_005799235.1	kelch-like protein 10-like
XP_004552363.1	kelch-like protein 11-like
NP_001007329.1	kelch-like protein 12
XP_003963586.1	kelch-like protein 12-like
XP_004546486.1	kelch-like protein 12-like isoform X3
XP_005922247.1	kelch-like protein 13-like isoform X5
XP_006643278.1	kelch-like protein 14-like
XP_005162671.1	kelch-like protein 15 isoform X2
XP_003201248.1	kelch-like protein 17 isoform X1
NP_956124.1	kelch-like protein 18
XP_005217117.1	kelch-like protein 20 isoform X1
XP_003198234.2	kelch-like protein 20-like isoform X1
XP_003453211.2	kelch-like protein 20-like isoformX1
NP_996964.1	kelch-like protein 21
XP_005799034.1	kelch-like protein 21-like
XP_004570250.1	kelch-like protein 23-like
XP_688063.3	kelch-like protein 23-like isoform X2
NP_001070808.1	kelch-like protein 24
XP_006637828.1	kelch-like protein 24-like
XP_006628942.1	kelch-like protein 25-like
NP_001038318.2	kelch-like protein 26
XP_005453398.1	kelch-like protein 28 isoform X2
XP_004082663.1	kelch-like protein 28-like
XP_003200801.2	kelch-like protein 29
XP_006626102.1	kelch-like protein 29-like
XP_005724968.1	kelch-like protein 29-like isoform X1
XP_005727242.1	kelch-like protein 30-like
NP_001003727.1	kelch-like protein 31
XP_699069.5	kelch-like protein 31-like
XP_005161818.1	kelch-like protein 33-like
XP_005162828.1	kelch-like protein 34-like
XP_005169991.1	kelch-like protein 36 isoform X1
NP_001038350.1	kelch-like protein 38
XP_691797.2	kelch-like protein 38-like
XP_005726524.1	kelch-like protein 3-like
XP_005467638.1	kelch-like protein 4 isoform X2
XP_001334076.1	kelch-like protein 40 isoform 1
NP_001122154.1	kelch-like protein 40a
XP_001922967.1	kelch-like protein 41
XP_005449993.1	kelch-like protein 41-like isoform X2
XP_005815908.1	kelch-like protein 42-like
XP_005806839.1	kelch-like protein 4-like isoform X1
NP_001164413.1	kelch-like protein 5
XP_006787318.1	kelch-like protein 5-like isoform X1
NP_001005316.2	kelch-like protein 6
XP_006636108.1	kelch-like protein 7-like
NP_001103950.1	kelch-like protein 8
XP_004549747.1	kelch-like protein 8-like
XP_005159075.1	kelch-like protein 9-like
XP_005161045.1	kelch-like protein diablo-like isoform X2
XP_005157998.1	kell blood group glycoprotein-like isoform X1
XP_005157999.1	kell blood group glycoprotein-like isoform X2
AFA41502.1	keratin 18
AAI54778.1	Keratin 8
AEG78338.1	keratin type II

AER42657.1	keratin type II E3
ACQ58237.1	Keratin, type I cytoskeletal 13
XP_003979606.1	keratin, type I cytoskeletal 13-like
XP_001343225.3	keratin, type I cytoskeletal 17
NP_848524.1	keratin, type I cytoskeletal 18
XP_006636757.1	keratin, type I cytoskeletal 18-like
XP_005965044.1	keratin, type I cytoskeletal 42-like
XP_001067238.2	keratin, type II cytoskeletal 78
XP_004545213.1	keratin, type II cytoskeletal 8-like
ELK29144.1	Keratin-associated protein 10-8
NP_001007762.1	keratinocyte growth factor precursor
XP_003200362.1	keratinocyte-associated protein 3-like
NP_001133332.1	Keratinocytes-associated transmembrane protein 2
BAL40897.1	keratocan
NP_001158759.1	ketoheksokinase
XP_005158695.1	ketoheksokinase isoform X1
NP_001103578.1	ketosamine-3-kinase
XP_005809419.1	KH domain-containing, RNA-binding, signal transduction-associated protein 1-like
XP_005156941.1	KH domain-containing, RNA-binding, signal transduction-associated protein 2 isoform X1
XP_005172612.1	KH domain-containing, RNA-binding, signal transduction-associated protein 3
XP_006635718.1	KH domain-containing, RNA-binding, signal transduction-associated protein 3-like
ACN11055.1	KIAA0174 homolog
ACO09667.1	KIAA0179
XP_688605.5	KIAA0261 protein
AAW34265.1	KIAA0650-like protein
ACN58634.1	KIAA0652
AAT68091.1	KIAA0682-like
EAW78234.1	KIAA0804, isoform CRA_b
AAI63564.1	Kiaa09471 protein
XP_001284477.1	KIAA1193 protein
XP_005156905.1	KIAA1274 isoform X1
XP_005730198.1	kielin/chordin-like protein-like
XP_005804258.1	KIF1-binding protein homolog
AAH77150.1	Kif3a protein
NP_001092814.1	kin of IRRE like 3 like precursor
NP_998033.1	kin of IRRE like a precursor
XP_005171418.1	kin of IRRE like b isoform X1
XP_005171419.1	kin of IRRE like b isoform X2
NP_001124123.1	kin of IRRE like b precursor
XP_004077852.1	kin of IRRE-like protein 1-like
XP_004541608.1	kin of IRRE-like protein 1-like isoform X1
XP_701170.6	kin of IRRE-like protein 3, partial
XP_700618.5	kin of IRRE-like protein 3-like
XP_006804696.1	kin of IRRE-like protein 3-like isoform X3
ACN60220.1	kinase C eta type
XP_005158804.1	kinase D-interacting substrate of 220 kDa isoform X1
XP_699336.5	kinase D-interacting substrate of 220 kDa isoform X3
XP_005942401.1	kinase D-interacting substrate of 220 kDa-like isoform X1
XP_005452541.1	kinase D-interacting substrate of 220 kDa-like isoform X5
AAH61450.1	Kinase D-interacting substrate of 220b
AAI63563.1	Kinase insert domain receptor (a type III receptor tyrosine kinase)
XP_005173315.1	kinase insert domain receptor like isoform X1
XP_006641109.1	kinase suppressor of Ras 1-like
XP_005737931.1	kinase suppressor of Ras 1-like isoform X5
NP_001137513.1	kinase suppressor of Ras 2
XP_006640244.1	kinase suppressor of Ras 2-like
XP_005158942.1	kinectin isoform X2
XP_005468806.1	kinectin-like
XP_005158717.1	kinesin family member 11 isoform X1
XP_002665108.2	kinesin family member 13A
XP_005169924.1	kinesin family member 13Ba isoform X1
XP_005169925.1	kinesin family member 13Ba isoform X2
XP_700210.2	kinesin family member 13Ba isoform X4
XP_002667565.2	kinesin family member 13Bb
XP_005170785.1	kinesin family member 15 isoform X2
XP_001919146.1	kinesin family member 17
XP_005168924.1	kinesin family member 18A isoform X1
XP_005156460.1	kinesin family member 19 isoform X2
XP_005166010.1	kinesin family member 1A isoform X10
XP_005166002.1	kinesin family member 1A isoform X2
XP_005166003.1	kinesin family member 1A isoform X3
XP_005166008.1	kinesin family member 1A isoform X8
XP_005171271.1	kinesin family member 1Ab isoform X3
XP_695144.3	kinesin family member 1Ab isoform X2
XP_005162291.1	kinesin family member 1B isoform X1
XP_005162293.1	kinesin family member 1B isoform X3
XP_005162294.1	kinesin family member 1B isoform X4
XP_699380.2	kinesin family member 1C isoform X3
NP_001154942.1	kinesin family member 20A

XP_003200393.2	kinesin family member 20Ba isoform X1
XP_005158585.1	kinesin family member 20Ba isoform X2
XP_003199630.2	kinesin family member 20Bb
XP_002157234.2	kinesin family member 21A
XP_001920258.4	kinesin family member 21A isoform X1
XP_005163243.1	kinesin family member 21A isoform X3
XP_699081.6	kinesin family member 21B
XP_696034.3	kinesin family member 26Aa
XP_005158707.1	kinesin family member 26Ba isoform X1
XP_005158708.1	kinesin family member 26Ba isoform X2
NP_001084268.1	kinesin family member 3A
XP_005174158.1	kinesin family member 3B isoform X2
NP_957117.1	kinesin family member 4
NP_001186705.1	kinesin family member 5A
XP_003640993.2	kinesin family member 6
XP_005166436.1	kinesin family member 7 isoform X1
XP_001922460.1	kinesin family member 9-like
ABO13867.1	kinesin family member C1/zinc finger protein
NP_001038419.1	kinesin family member C1-like
XP_005159303.1	kinesin family member C3 isoform X2
XP_696785.3	kinesin family member C3 isoform X3
XP_001339650.5	kinesin heavy chain isoform 5A-like
NP_001116747.1	kinesin heavy chain isoform 5C
XP_004563392.1	kinesin heavy chain isoform 5C-like
XP_005807426.1	kinesin heavy chain isoform 5C-like isoform X1
XP_005497365.1	kinesin heavy chain isoform 5C-like, partial
XP_004910430.1	kinesin heavy chain member 2A isoform X8
XP_005158587.1	kinesin heavy chain-like
XP_006638769.1	kinesin light chain 1-like
XP_006799009.1	kinesin light chain 1-like isoform X1
XP_003447597.1	kinesin light chain 2 isoform X1
NP_001070646.1	kinesin light chain 3
NP_956248.1	kinesin light chain 4
XP_002664065.1	kinesin-1 heavy chain
NP_001137517.1	kinesin-associated protein 3
XP_005160739.1	kinesin-associated protein 3 isoform X2
XP_006634685.1	kinesin-associated protein 3-like
XP_005922863.1	kinesin-like calmodulin-binding protein-like
XP_005467827.1	kinesin-like protein KIF11-B-like isoform X3
XP_005934893.1	kinesin-like protein KIF13A-like
XP_006625843.1	kinesin-like protein KIF13B-like
XP_004481268.1	kinesin-like protein KIF16B
XP_006806648.1	kinesin-like protein KIF16B-like
XP_006638645.1	kinesin-like protein KIF16B-like isoform X1
XP_004571788.1	kinesin-like protein KIF17-like
NP_956533.1	kinesin-like protein KIF18A
XP_006637740.1	kinesin-like protein KIF1A-like
XP_005476353.1	kinesin-like protein KIF1A-like isoform X1
XP_005811403.1	kinesin-like protein KIF1A-like isoform X5
EMP28627.1	Kinesin-like protein KIF1B
XP_004554354.1	kinesin-like protein KIF1B-like
XP_005808266.1	kinesin-like protein KIF1B-like isoform X1
XP_006627486.1	kinesin-like protein KIF1C-like
XP_005732971.1	kinesin-like protein KIF1C-like isoform X9
XP_691403.6	kinesin-like protein KIF1C-like, partial
NP_998353.1	kinesin-like protein KIF20A
XP_005473802.1	kinesin-like protein KIF20B-like isoform X4
XP_005451825.1	kinesin-like protein KIF21A-like
XP_005731592.1	kinesin-like protein KIF21A-like isoform X1
NP_001107063.1	kinesin-like protein KIF22
XP_005930490.1	kinesin-like protein KIF23-like isoform X2
XP_003971829.1	kinesin-like protein KIF25-like
XP_001341347.2	kinesin-like protein KIF26A-like
XP_002665791.2	kinesin-like protein KIF26B-like
XP_003201771.2	kinesin-like protein KIF2A-like
XP_004072478.1	kinesin-like protein KIF2A-like isoform 2
XP_005473298.1	kinesin-like protein KIF2A-like isoform X1
NP_001108065.1	kinesin-like protein KIF2C
NP_001017849.2	kinesin-like protein KIF3C
XP_006625917.1	kinesin-like protein KIF3C-like
XP_004619395.1	kinesin-like protein KIF6
XP_005307464.1	kinesin-like protein KIF6-like
NP_001014816.1	kinesin-like protein kif7
XP_005158000.1	kinesin-like protein KIFC3-like
XP_005472469.1	kinesin-like protein KIFC3-like isoform X1
XP_003200367.2	kinesin-like protein KLP6-like
NP_001167274.1	kinetochore protein NDC80 homolog
XP_005155727.1	kinetochore protein Nuf2 isoform X1
NP_001187365.1	kinetochore protein Spc24

NP_001187598.1 kinetochore protein Spc25
 XP_686358.6 kinetochore-associated protein 1, partial
 XP_003198769.1 kinetochore-associated protein 1-like
 XP_005158815.1 kinetochore-associated protein KNL-2 homolog isoform X3
 XP_005170607.1 kininogen 1 isoform X1
 CAP71967.1 kirrel3
 AHH83757.1 kisspeptin
 AFM08414.1 kisspeptin2, partial
 CCH26286.1 Kissr-1 protein
 ACT83526.1 kit ligand a
 NP_001018137.1 kit ligand b
 NP_001137390.1 kit receptor b precursor
 ABK32085.1 kit receptor tyrosine kinase a
 AAI62502.1 Kita protein
 B3DIV9.2 KL40A_DANRE RecName: Full=Kelch-like protein 40a; AltName: Full=Kelch repeat and BTB domain-containing protein 5a
 Q5U374.2 KLH12_DANRE RecName: Full=Kelch-like protein 12
 E7F6F9.1 KLHL3_DANRE RecName: Full=Kelch-like protein 3
 XP_690797.4 klotho
 XP_005808498.1 klotho-like
 EPY80329.1 KLAQA motif-containing protein 1
 NP_001103695.1 KN motif and ankyrin repeat domain-containing protein 1
 XP_005164396.1 KN motif and ankyrin repeat domain-containing protein 1 isoform X1
 XP_005458116.1 KN motif and ankyrin repeat domain-containing protein 4-like
 XP_005165948.1 KN motif and ankyrin repeat domain-containing protein 4-like isoform X1
 NP_001244078.1 KN motif and ankyrin repeat domains 3
 Q501V0.2 KPSH1_DANRE RecName: Full=Serine/threonine-protein kinase H1 homolog
 CCD78935.1 KRAB-A domain-containing protein
 XP_005159848.1 krev interaction trapped protein 1 isoform X1
 XP_006636076.1 krev interaction trapped protein 1-like
 XP_005942030.1 KRR1 small subunit processome component homolog
 XP_004675932.1 KRR1 small subunit processome component homolog isoform X2
 XP_005070343.1 Krueppel-like factor 12
 XP_004081500.1 Krueppel-like factor 12-like
 NP_001070240.1 Krueppel-like factor 13
 AAM75147.1 Krueppel-like factor 15
 XP_684045.1 Krueppel-like factor 15-like
 XP_006630099.1 Krueppel-like factor 3-like
 NP_001106955.1 Krueppel-like factor 4
 NP_001035016.2 Krueppel-like factor 5-like
 XP_006930545.1 Kruppel-like factor 11 isoform X1
 XP_005160784.1 Kruppel-like factor 11a isoform X1
 NP_001071072.1 Kruppel-like factor 11b
 NP_571931.2 Kruppel-like factor 2a
 XP_688525.5 Kruppel-like factor 5b
 NP_001018479.1 Kruppel-like factor 7a
 NP_001038231.1 Kruppel-like factor 7b
 AAH44389.1 Ktn1 protein
 ACN10675.1 Kunitz-type protease inhibitor 1 precursor
 XP_006632519.1 kunitz-type protease inhibitor 1-like
 NP_957113.1 Kv channel interacting protein 3a, calsenilin
 XP_006631764.1 Kv channel-interacting protein 1-like isoform X1
 XP_005810927.1 Kv channel-interacting protein 1-like isoform X4
 XP_004555893.1 Kv channel-interacting protein 2-like isoform X3
 XP_005468250.1 Kv channel-interacting protein 4-like isoform X2
 XP_003440582.2 kxDL motif-containing protein 1-like
 XP_005919998.1 kynureninase-like
 XP_005169588.1 kynurenine 3-monoxygenase-like
 XP_003441289.1 kynurenine 3-monoxygenase-like isoform X1
 NP_001134570.1 kynurenine formamidase
 XP_005155988.1 kynurenine formamidase isoform X1
 XP_005807295.1 kynurenine/alpha-aminoadipate aminotransferase, mitochondrial-like
 XP_005950017.1 kynurenine/alpha-aminoadipate aminotransferase, mitochondrial-like isoform X3
 XP_005453204.1 kynurenine/alpha-aminoadipate aminotransferase, mitochondrial-like isoform X4
 XP_686234.6 kynurenine/alpha-aminoadipate aminotransferase, mitochondrial-like, partial
 XP_001335312.2 kyphoscoliosis peptidase
 XP_006643494.1 kyphoscoliosis peptidase-like
 XP_006632542.1 l-2-hydroxyglutarate dehydrogenase, mitochondrial-like
 ACO10111.1 La protein homolog
 NP_001082877.1 La ribonucleoprotein domain family, member 6
 XP_006639131.1 laccase domain-containing protein 1-like
 XP_697155.4 lactamase, beta-like 1a
 XP_005168927.1 lactase-like a isoform X1
 XP_005159168.1 lactase-like b isoform X1
 XP_005470731.1 lactase-like protein-like isoform X4
 XP_004559298.1 lactase-phlorizin hydrolase-like
 ERE73732.1 lactase-phlorizin hydrolase-like protein
 AAA49294.1 lactate dehydrogenase B
 NP_001186696.1 lactation elevated 1a

NP_001187856.1	lactose-binding lectin I-2 precursor
XP_005939117.1	lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase A-like isoform X1
NP_955810.2	lactosylceramide alpha-2,3-sialyltransferase
NP_998316.1	lactoylglutathione lyase
NP_001156784.1	ladybird homeobox 1b
XP_006792508.1	laforin-like
ACO09885.1	LAG1 longevity assurance homolog 2
NP_705956.1	LAG1 longevity assurance homolog 4
ELV10755.1	LAG1 longevity assurance like protein 2
NP_001187681.1	lag1 longevity assurance-like protein 1
ADO28056.1	lambda-crystallin-like protein
QILVF0.2	LAMC1_DANRE RecName: Full=Laminin subunit gamma-1; Flags: Precursor
CAB41015.1	lamin B2
BAB32977.1	lamin B3
NP_694505.2	lamin L3
EMP31316.1	Lamin-A
XP_005728181.1	lamina-associated polypeptide 2, isoform beta-like
CAC86207.1	lamina-associated protein 2 gamma
NP_001002720.1	lamin-B receptor
XP_005155613.1	lamin-B1 isoform X1
XP_006639884.1	lamin-B2-like
AER12034.1	laminin alpha 2 chain
AD146647.1	laminin alpha 5
NP_001030158.1	laminin subunit alpha-1 precursor
XP_006626521.1	laminin subunit alpha-2-like
XP_004550575.1	laminin subunit alpha-2-like isoform X8
EMP38380.1	Laminin subunit alpha-3
XP_004939845.1	laminin subunit alpha-3 isoform X5
ETE74129.1	Laminin subunit alpha-3, partial
XP_006634004.1	laminin subunit alpha-3-like
XP_005161783.1	laminin subunit alpha-3-like isoform X1
XP_005161784.1	laminin subunit alpha-3-like isoform X2
XP_006786520.1	laminin subunit alpha-3-like isoform X3
NP_001034154.1	laminin subunit alpha-4 precursor
XP_005931106.1	laminin subunit alpha-4-like
NP_001034260.1	laminin subunit alpha-5 precursor
XP_004086428.1	laminin subunit alpha-5-like
XP_003469835.2	laminin subunit beta-1
XP_692838.6	laminin subunit beta-1 isoform X2
NP_775382.1	laminin subunit beta-1 precursor
XP_006781239.1	laminin subunit beta-1-like
XP_005806963.1	laminin subunit beta-1-like, partial
NP_001229974.1	laminin subunit beta-2 precursor
XP_006804121.1	laminin subunit beta-2-like
CBN80951.1	Laminin subunit beta-3
XP_005174519.1	laminin subunit beta-3-like
NP_775383.1	laminin subunit beta-4 precursor
XP_006633474.1	laminin subunit beta-4-like
XP_005465991.1	laminin subunit beta-4-like, partial
XP_006126982.1	laminin subunit gamma-1
XP_006634695.1	laminin subunit gamma-1-like
XP_003458990.1	laminin subunit gamma-1-like isoform X1
XP_003197932.2	laminin subunit gamma-2
XP_004078971.1	laminin subunit gamma-2-like
XP_687343.5	laminin subunit gamma-3
NP_001265728.1	laminin, alpha 2 precursor
AA163717.1	Laminin, alpha 4
NP_001264059.1	laminin, beta 1b precursor
XP_003200080.1	L-amino-acid oxidase
XP_005817260.1	L-amino-acid oxidase-like
XP_003457651.1	L-amino-acid oxidase-like isoform X1
NP_001028901.1	L-aminoacidipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
AAH61705.1	Lancl1 protein, partial
NP_001076472.1	lanC-like protein 2
XP_006634360.1	lanC-like protein 2-like
XP_005796533.1	lanosterol 14-alpha demethylase-like
NP_001077036.1	lanosterol synthase
XP_005167914.1	lanosterol synthase isoform X1
XP_001920902.3	la-related protein 1
XP_005158614.1	la-related protein 1 isoform X1
XP_696560.3	la-related protein 1 isoform X2
XP_006632168.1	la-related protein 1-like
XP_006785106.1	la-related protein 1-like isoform X1
XP_002666538.3	la-related protein 4
XP_005162855.1	la-related protein 4B isoform X3
XP_005162856.1	la-related protein 4B isoform X4
XP_005162857.1	la-related protein 4B isoform X5
XP_005166150.1	la-related protein 4-like isoform X2
XP_006626995.1	la-related protein 6-like

XP_005166591.1 la-related protein 7 isoform X1
 NP_001121830.1 large neutral amino acids transporter small subunit 1
 XP_005814975.1 large neutral amino acids transporter small subunit 1-like
 NP_001258826.1 large neutral amino acids transporter small subunit 2
 XP_002926057.1 large neutral amino acids transporter small subunit 2-like
 NP_001076469.1 large neutral amino acids transporter small subunit 3
 XP_003970383.1 large neutral amino acids transporter small subunit 3-like
 NP_001008585.1 large neutral amino acids transporter small subunit 4
 XP_003968756.1 large neutral amino acids transporter small subunit 4-like isoform 1
 XP_003459359.2 large proline-rich protein BAG6-like
 XP_005950103.1 large proline-rich protein BAG6-like isoform X2
 NP_958504.2 large proline-rich protein BAT2
 NP_958445.1 large proline-rich protein BAT3
 ADF97607.1 large ribosomal protein P0
 NP_997807.1 large subunit GTPase 1 homolog

 CAA49562.1 largest of the predicted retinoic acid receptor delta 1 isoforms employing a CUG initiation site

 NP_955947.1 lariat debranching enzyme
 AAH54945.1 Laspl protein
 ACO09181.1 L-asparaginase 1 precursor
 XP_003964227.1 L-asparaginase-like
 XP_004086223.1 L-asparaginase-like, partial
 XP_006634612.1 late secretory pathway protein AVL9 homolog
 NP_001117921.1 latent transforming growth factor binding protein precursor
 XP_002191623.2 latent-transforming growth factor beta-binding protein 1
 XP_005158769.1 latent-transforming growth factor beta-binding protein 1 isoform X3
 ACN60331.1 Latent-transforming growth factor beta-binding protein 1 precursor
 XP_005815614.1 latent-transforming growth factor beta-binding protein 1-like, partial
 XP_005797815.1 latent-transforming growth factor beta-binding protein 2-like
 XP_005916910.1 latent-transforming growth factor beta-binding protein 2-like isoform X1
 XP_006786119.1 latent-transforming growth factor beta-binding protein 2-like isoform X2
 XP_005479157.1 latent-transforming growth factor beta-binding protein 2-like isoform X7
 NP_001244070.1 latent-transforming growth factor beta-binding protein 3 precursor
 XP_002665469.3 latent-transforming growth factor beta-binding protein 4-like
 XP_005474956.1 latent-transforming growth factor beta-binding protein 4-like isoform X2
 XP_005474958.1 latent-transforming growth factor beta-binding protein 4-like isoform X4
 XP_002667678.3 latent-transforming growth factor beta-binding protein 4-like, partial
 NP_001071191.1 lateral signaling target protein 2 homolog
 XP_005158933.1 lateral signaling target protein 2 homolog isoform X1
 ADO27844.1 latexin
 EDL82459.1 latrophilin 2, isoform CRA_h
 EAX05526.1 latrophilin 3, isoform CRA_b
 XP_691000.6 latrophilin-1
 XP_006631721.1 latrophilin-1-like
 XP_006791376.1 latrophilin-1-like isoform X2
 XP_005171102.1 latrophilin-1-like, partial
 XP_005172906.1 latrophilin-2 isoform X11
 XP_005083669.1 latrophilin-2 isoform X7
 XP_005172904.1 latrophilin-2 isoform X9
 XP_003197859.2 latrophilin-2, partial
 XP_006635047.1 latrophilin-2-like
 XP_005734977.1 latrophilin-2-like isoform X11
 XP_005721486.1 latrophilin-2-like isoform X3
 XP_005459973.1 latrophilin-2-like isoform X4
 XP_005476445.1 latrophilin-2-like isoform X6
 XP_005476447.1 latrophilin-2-like isoform X8
 XP_005170999.1 latrophilin-3 isoform X3
 XP_689120.5 latrophilin-3 isoform X4
 XP_005172444.1 latrophilin-3-like
 XP_004554526.1 latrophilin-3-like isoform X7
 XP_004554527.1 latrophilin-3-like isoform X8
 XP_005743098.1 latrophilin-3-like isoform X9
 XP_005172442.1 latrophilin-3-like, partial
 XP_693396.4 layilin
 XP_005157610.1 layilin isoform X1
 XP_696265.4 layilin isoform X4
 XP_006642209.1 layilin-like
 NP_001118057.1 LBP (LPS binding protein)/BPI (bactericidal/permeability-increasing protein)-1 precursor
 Q5TYS0.1 LCE1B_DANRE RecName: Full=Lactation elevated protein 1 homolog B
 Q9PVK4.4 LDHBA_DANRE RecName: Full=L-lactate dehydrogenase B-A chain; Short=LDH-B-A
 ABW04133.1 LDL receptor-related protein associated protein 1
 XP_005166421.1 LDLR chaperone MESD isoform X1
 XP_006628688.1 LDLR chaperone MESD-like
 XP_006629546.1 lecithin retinol acyltransferase-like
 NP_001187691.1 lecithin-cholesterol acyltransferase precursor
 NP_956808.1 lectin, galactoside-binding, soluble, 2b
 XP_005172119.1 lectin, galactoside-binding, soluble, 2b isoform X1
 NP_571035.1 lefty1 precursor
 NP_571036.1 lefty2 precursor

ADO28000.1	legumain
XP_004475578.1	legumain isoform 1
XP_005695391.1	legumain isoform X1
XP_006632647.1	legumain-like
AGU41795.1	legumain-like protein
XP_006798653.1	legumain-like, partial
XP_001335496.3	leiomodin-1-like
XP_005164549.1	leiomodin-2 isoform X2
XP_003201226.1	leiomodin-3
XP_002662869.2	leishmanolysin-like peptidase-like
AAZ29482.1	lengsin
XP_003766571.1	lens fiber membrane intrinsic protein
XP_004562065.1	lens fiber membrane intrinsic protein-like
NP_001002587.1	lens intrinsic membrane protein 2.3
AFO67938.1	leptin
AFO67946.1	leptin receptor
XP_005164199.1	lethal giant larvae homolog 1 isoform X2
XP_005164201.1	lethal giant larvae homolog 1 isoform X4
NP_997747.1	lethal(2) giant larvae protein homolog 2
XP_005749580.1	lethal(2) giant larvae protein homolog 2-like isoform X2
XP_005156212.1	lethal(3)malignant brain tumor-like protein 2 isoform X1
XP_005156213.1	lethal(3)malignant brain tumor-like protein 2 isoform X2
XP_004740244.1	lethal(3)malignant brain tumor-like protein 3 isoform X3
XP_688020.5	lethal(3)malignant brain tumor-like protein 3-like
XP_002666790.3	lethal(3)malignant brain tumor-like protein 3-like, partial
XP_005174260.1	lethal(3)malignant brain tumor-like protein 4-like
NP_001038673.1	LETM1 and EF-hand domain-containing protein 1, mitochondrial
XP_005156626.1	LETM1 and EF-hand domain-containing protein 1, mitochondrial isoform X1
XP_006629394.1	LETM1 domain-containing protein 1-like
XP_001339387.1	LETM1 domain-containing protein LETM2, mitochondrial
XP_005981698.1	LETM1 domain-containing protein LETM2, mitochondrial isoform X2
NP_001122029.1	leucine carboxyl methyltransferase 2
XP_003978968.1	leucine rich adaptor protein 1-like
XP_004554509.1	leucine rich adaptor protein 1-like isoform X1
ABD83884.1	leucine rich protein-like
XP_005174327.1	leucine rich repeat and Ig domain containing 1a
XP_005159367.1	leucine rich repeat and Ig domain containing 4a isoform X1
AAI71419.1	Leucine rich repeat containing 10
NP_001093494.1	leucine rich repeat containing 4 precursor
NP_001018583.1	leucine rich repeat containing 4C precursor
NP_001139094.1	leucine rich repeat containing 58
EQB78878.1	leucine rich repeat containing 7
NP_001025120.1	leucine rich repeat containing 8 family, member A
NP_001092725.1	leucine zipper protein 2 isoform 2 precursor
XP_004286850.1	leucine zipper protein 4
XP_001344522.4	leucine zipper putative tumor suppressor 2 homolog
XP_688706.6	leucine zipper putative tumor suppressor 3-like
XP_001335345.4	leucine zipper putative tumor suppressor 3-like isoform X1
AAAY41827.1	leucine zipper transcription factor
NP_001187327.1	leucine zipper transcription factor-like protein 1
NP_001139078.1	leucine zipper, putative tumor suppressor 2a
XP_005156744.1	leucine zipper, putative tumor suppressor 2a isoform X1
AAW71998.1	leucine-rich alpha-2-glycoprotein
XP_005165289.1	leucine-rich alpha-2-glycoprotein-like
XP_005999623.1	leucine-rich PPR motif-containing protein, mitochondrial
XP_006638851.1	leucine-rich PPR motif-containing protein, mitochondrial-like
XP_005751063.1	leucine-rich repeat and calponin homology domain-containing protein 1-like isoform X3
XP_001921929.3	leucine-rich repeat and calponin homology domain-containing protein 2
XP_004940712.1	leucine-rich repeat and calponin homology domain-containing protein 2 isoform X5
XP_005165505.1	leucine-rich repeat and calponin homology domain-containing protein 2-like
XP_004564019.1	leucine-rich repeat and calponin homology domain-containing protein 2-like isoform X1
XP_005173666.1	leucine-rich repeat and calponin homology domain-containing protein 3 isoform X2
XP_005173667.1	leucine-rich repeat and calponin homology domain-containing protein 3 isoform X3
XP_006637907.1	leucine-rich repeat and calponin homology domain-containing protein 3-like
XP_003199055.1	leucine-rich repeat and calponin homology domain-containing protein 4 isoform X1
XP_690381.2	leucine-rich repeat and coiled-coil domain-containing protein 1
XP_005010972.1	leucine-rich repeat and death domain-containing protein 1-like isoform X1
XP_006627654.1	leucine-rich repeat and fibronectin type III domain-containing protein 1-like
NP_001107121.1	leucine-rich repeat and fibronectin type III domain-containing protein 1-like protein precursor
XP_002667490.2	leucine-rich repeat and fibronectin type III domain-containing protein 1-like protein-like
XP_005166600.1	leucine-rich repeat and fibronectin type-III domain-containing protein 2 isoform X1
XP_686794.4	leucine-rich repeat and fibronectin type-III domain-containing protein 2 isoform X2
XP_005161420.1	leucine-rich repeat and fibronectin type-III domain-containing protein 2-like
XP_683575.2	leucine-rich repeat and fibronectin type-III domain-containing protein 5
XP_005164767.1	leucine-rich repeat and guanylate kinase domain-containing protein
NP_001004576.1	leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1-B precursor
XP_005374466.1	leucine-rich repeat and IQ domain-containing protein 1 isoform X5

NP_083214.2 leucine-rich repeat and IQ domain-containing protein 3
 XP_005172561.1 leucine-rich repeat and transmembrane domain-containing protein 1-like
 XP_001923104.1 leucine-rich repeat and transmembrane domain-containing protein 2 isoform X1
 XP_006780756.1 leucine-rich repeat and transmembrane domain-containing protein 2-like
 XP_683313.4 leucine-rich repeat and WD repeat-containing protein 1
 XP_006802128.1 leucine-rich repeat and WD repeat-containing protein KIAA1239-like
 XP_690801.5 leucine-rich repeat and WD repeat-containing protein KIAA1239-like isoform X2
 XP_002666484.2 leucine-rich repeat containing G protein-coupled receptor 6
 XP_005169574.1 leucine-rich repeat flightless-interacting protein 2 isoform X1
 XP_005169575.1 leucine-rich repeat flightless-interacting protein 2 isoform X2
 XP_007184845.1 leucine-rich repeat flightless-interacting protein 2 isoform X5
 XP_004082093.1 leucine-rich repeat flightless-interacting protein 2-like
 XP_005451158.1 leucine-rich repeat flightless-interacting protein 2-like isoform X5
 XP_005473917.1 leucine-rich repeat flightless-interacting protein 2-like isoform X8
 NP_001034730.1 leucine-rich repeat LGI family member 2 precursor
 NP_001034768.1 leucine-rich repeat LGI family member 3 precursor
 XP_004544174.1 leucine-rich repeat LGI family member 3-like
 NP_001034731.1 leucine-rich repeat LGI family, member 2b precursor
 XP_003199104.1 leucine-rich repeat neuronal protein 1
 XP_005172947.1 leucine-rich repeat neuronal protein 2-like
 XP_693173.5 leucine-rich repeat neuronal protein 4-like
 XP_006630841.1 leucine-rich repeat protein SHOC-2-like isoform X1
 XP_002667476.3 leucine-rich repeat serine/threonine-protein kinase 1
 NP_006628888.1 leucine-rich repeat serine/threonine-protein kinase 1-like
 NP_001188385.1 leucine-rich repeat serine/threonine-protein kinase 2
 XP_005454224.1 leucine-rich repeat serine/threonine-protein kinase 2 isoform X1
 XP_003967836.1 leucine-rich repeat serine/threonine-protein kinase 2-like
 XP_003201382.1 leucine-rich repeat transmembrane neuronal protein 2-like
 XP_001340869.4 leucine-rich repeat transmembrane neuronal protein 4
 XP_006634971.1 leucine-rich repeat transmembrane neuronal protein 4-like
 XP_005168711.1 leucine-rich repeat transmembrane protein FLRT1
 XP_005158737.1 leucine-rich repeat transmembrane protein FLRT2-like
 NP_001243575.1 leucine-rich repeat transmembrane protein FLRT3 precursor
 AAH95674.1 Leucine-rich repeat, immunoglobulin-like and transmembrane domains 1
 NP_001018174.2 leucine-rich repeat, immunoglobulin-like and transmembrane domains 1 precursor
 XP_003961278.1 leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 2-like

 NP_001122166.1 leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 3 precursor
 ABV48903.1 leucine-rich repeat-containing G protein-coupled receptor 8.1
 XP_005169004.1 leucine-rich repeat-containing G-protein coupled receptor 4 isoform X1
 XP_687184.4 leucine-rich repeat-containing G-protein coupled receptor 4 isoform X2
 XP_005931443.1 leucine-rich repeat-containing G-protein coupled receptor 4-like
 XP_004632272.1 leucine-rich repeat-containing G-protein coupled receptor 5
 XP_006633650.1 leucine-rich repeat-containing G-protein coupled receptor 5-like
 XP_005914737.1 leucine-rich repeat-containing G-protein coupled receptor 6-like
 NP_001013463.1 leucine-rich repeat-containing protein 1
 NP_001038578.1 leucine-rich repeat-containing protein 14B
 XP_698357.3 leucine-rich repeat-containing protein 14-like
 NP_001074151.1 leucine-rich repeat-containing protein 15 precursor
 XP_006636006.1 leucine-rich repeat-containing protein 16A-like
 XP_003458638.1 leucine-rich repeat-containing protein 16A-like isoform X1
 XP_696152.5 leucine-rich repeat-containing protein 16B
 XP_004079164.1 leucine-rich repeat-containing protein 16B-like
 XP_003197965.2 leucine-rich repeat-containing protein 16B-like isoform X1
 XP_005171403.1 leucine-rich repeat-containing protein 16B-like isoform X2
 XP_005732328.1 leucine-rich repeat-containing protein 16B-like isoform X4
 XP_004951075.1 leucine-rich repeat-containing protein 16B-like isoform X5
 XP_003972955.1 leucine-rich repeat-containing protein 17-like
 ADO29270.1 leucine-rich repeat-containing protein 18
 XP_005157018.1 leucine-rich repeat-containing protein 18-like, partial
 XP_001333128.4 leucine-rich repeat-containing protein 19-like
 XP_685436.6 leucine-rich repeat-containing protein 2
 ACI66081.1 Leucine-rich repeat-containing protein 20
 NP_001006054.1 leucine-rich repeat-containing protein 23
 XP_694151.2 leucine-rich repeat-containing protein 24
 XP_006630569.1 leucine-rich repeat-containing protein 27-like
 NP_683234.5 leucine-rich repeat-containing protein 28 isoform X3
 NP_001107114.1 leucine-rich repeat-containing protein 3 precursor
 CBN80697.1 Leucine-rich repeat-containing protein 38
 XP_005169398.1 leucine-rich repeat-containing protein 38-like isoform X1
 XP_005161762.1 leucine-rich repeat-containing protein 39 isoform X1
 XP_005156157.1 leucine-rich repeat-containing protein 3B isoform X1
 NP_001082985.1 leucine-rich repeat-containing protein 3B precursor
 NP_956156.2 leucine-rich repeat-containing protein 40
 XP_006635105.1 leucine-rich repeat-containing protein 40-like
 XP_002667348.2 leucine-rich repeat-containing protein 41-like
 XP_004544734.1 leucine-rich repeat-containing protein 43-like isoform X1
 XP_002663924.1 leucine-rich repeat-containing protein 45

NP_001103842.1 leucine-rich repeat-containing protein 47
 XP_006637430.1 leucine-rich repeat-containing protein 48-like
 XP_006629078.1 leucine-rich repeat-containing protein 49-like
 XP_005727656.1 leucine-rich repeat-containing protein 49-like isoform X1
 XP_005727658.1 leucine-rich repeat-containing protein 49-like isoform X3
 XP_684717.3 leucine-rich repeat-containing protein 4B
 XP_005166545.1 leucine-rich repeat-containing protein 4C isoform X1
 XP_006628202.1 leucine-rich repeat-containing protein 51-like
 XP_004068325.1 leucine-rich repeat-containing protein 52-like
 XP_005171248.1 leucine-rich repeat-containing protein 53-like
 XP_001921374.3 leucine-rich repeat-containing protein 56-like
 NP_001002627.1 leucine-rich repeat-containing protein 57
 XP_006639108.1 leucine-rich repeat-containing protein 58-like
 NP_998097.1 leucine-rich repeat-containing protein 59
 ACQ57972.1 Leucine-rich repeat-containing protein 61
 XP_006012820.1 leucine-rich repeat-containing protein 63
 XP_005457195.1 leucine-rich repeat-containing protein 7 isoform X1
 XP_005166019.1 leucine-rich repeat-containing protein 7 isoform X2
 XP_005166023.1 leucine-rich repeat-containing protein 7 isoform X6
 NP_001038339.1 leucine-rich repeat-containing protein 71
 XP_005159492.1 leucine-rich repeat-containing protein 71 isoform X1
 XP_003969395.1 leucine-rich repeat-containing protein 71-like
 XP_006788067.1 leucine-rich repeat-containing protein 71-like isoform X2
 XP_005015209.1 leucine-rich repeat-containing protein 72
 XP_003450342.1 leucine-rich repeat-containing protein 72-like
 XP_005156564.1 leucine-rich repeat-containing protein 73-like isoform X1
 XP_686175.1 leucine-rich repeat-containing protein 8A isoform X2
 XP_006640722.1 leucine-rich repeat-containing protein 8A-like
 XP_006634772.1 leucine-rich repeat-containing protein 8C-like isoform X1
 NP_001070848.1 leucine-rich repeat-containing protein 8D
 XP_005168746.1 leucine-rich repeat-containing protein 8E-like isoform X1
 NP_001107274.2 leucine-rich repeat-containing protein 9
 XP_005156778.1 leucine-rich repeat-containing protein 9 isoform X1
 XP_005986565.1 leucine-rich repeat-containing protein 9-like
 NP_001018537.1 leucine-rich repeat-containing protein C10orf11
 XP_005169122.1 leucine-rich repeat-containing protein C10orf11 homolog
 XP_691393.2 leucine-rich repeat-containing protein FAM211A-like
 XP_005167445.1 leucine-rich repeat-containing protein FAM211B-like
 XP_001344236.1 leucine-rich repeat-containing protein LOC400891-like
 XP_688817.4 leucine-rich repeats and immunoglobulin-like domains 1
 XP_004069003.1 leucine-rich repeats and immunoglobulin-like domains protein 2-like
 NP_001103817.1 leucine-rich repeats and immunoglobulin-like domains protein 3 precursor
 XP_004554027.1 leucine-rich repeats and immunoglobulin-like domains protein 3-like
 XP_005156082.1 leucine-rich, glioma inactivated 1b isoform X1
 NP_001122241.1 leucine-rich, glioma inactivated 1b precursor
 XP_003446990.1 leucine--tRNA ligase, cytoplasmic
 XP_005926471.1 leucine--tRNA ligase, cytoplasmic-like
 XP_006640257.1 leucine-zipper-like transcriptional regulator 1-like
 XP_005990321.1 leucine-zipper-like transcriptional regulator 1-like isoform X4
 NP_955915.1 leucyl-cystinyl aminopeptidase
 XP_005165526.1 leucyl-cystinyl aminopeptidase isoform X1
 XP_005165527.1 leucyl-cystinyl aminopeptidase isoform X2
 NP_001158815.1 Leucyl-tRNA synthetase, cytoplasmic
 ABD85556.1 leukemia inhibitory factor receptor
 NP_001014328.1 leukemia inhibitory factor receptor alpha a precursor
 XP_005161249.1 leukemia inhibitory factor receptor alpha b isoform X1
 XP_003439754.2 leukemia inhibitory factor receptor-like
 NP_001090798.1 leukocyte cell derived chemotaxin 1
 XP_003453341.1 leukocyte cell-derived chemotaxin 1-like
 ADO27861.1 leukocyte elastase inhibitor
 AAW82352.1 leukocyte immune-type receptor 1
 NP_001187136.1 leukocyte immune-type receptor 3 precursor
 ABI16036.1 leukocyte immune-type receptor TS32.15 L1.1a, partial
 ABI16040.1 leukocyte immune-type receptor TS32.15 L1.2a2, partial
 ABI23564.1 leukocyte immune-type receptor TS32.15 L2.1a, partial
 ABI23568.1 leukocyte immune-type receptor TS32.15 L2.3a, partial
 ABI23570.1 leukocyte immune-type receptor TS32.15 L2.3c, partial
 ABI16049.1 leukocyte immune-type receptor TS32.17 L1.1a, partial
 ABI23578.1 leukocyte immune-type receptor TS32.17 L2.1a, partial
 NP_001004591.1 leukocyte receptor cluster (LRC) member 1
 NP_001082988.1 leukocyte receptor cluster member 8 homolog
 ADO28407.1 leukocyte surface antigen cd53
 ACA79941.1 leukocyte tyrosine kinase protein
 NP_001118106.1 leukotriene b4 12-hydroxydehydrogenase/15-ketoreductase
 XP_003198919.1 leukotriene B4 receptor 1
 XP_001341456.3 leukotriene B4 receptor 1-like
 XP_003197923.2 leukotriene B4 receptor 1-like isoform X1
 XP_003199915.1 leukotriene C4 synthase-like
 NP_001083010.1 leukotriene-B(4) omega-hydroxylase 2

XP_005406113.1 leukotriene-B(4) omega-hydroxylase 2-like isoform X1
 ACN11195.1 Leupaxin
 XP_004571529.1 L-fucose kinase-like
 A2I8Z7.1 LHX9_ASTFA RecName: Full=LIM/homeobox protein Lhx9; Short=LIM homeobox protein 9
 Q6PHG4.1 LIAS_DANRE RecName: Full=Lipoyl synthase, mitochondrial; AltName: Full=Lipoate synthase; Short=LS; Short=Lip-syn; AltName: Full=Lipoic acid synthase; Flags: Precursor
 NP_001106696.2 ligand of numb-protein X 2a
 XP_005162756.1 ligand of numb-protein X 2a isoform X1
 NP_998105.2 ligand of numb-protein X 2b
 XP_006629271.1 ligand-dependent nuclear receptor corepressor-like protein-like
 XP_005928344.1 ligand-dependent nuclear receptor corepressor-like protein-like isoform X1
 XP_001336372.1 ligand-dependent nuclear receptor-interacting factor 1
 NP_001167293.1 light ear protein
 XP_005168641.1 like-glycosyltransferase isoform X1
 AEG78370.1 lily-type lectin
 ADV35592.1 lily-type lectin-2
 XP_005168410.1 LIM and calponin homology domains 1a isoform X1
 XP_005168412.1 LIM and calponin homology domains 1a isoform X3
 NP_001108201.1 LIM and calponin homology domains-containing protein 1
 NP_957364.2 LIM and cysteine-rich domains 1
 XP_006631053.1 LIM and cysteine-rich domains protein 1-like
 XP_005662380.1 LIM and senescent cell antigen-like domains 1 isoform X7
 ADO27891.1 lim and senescent cell antigen-like-containing domain protein 1
 XP_004909882.1 LIM and senescent cell antigen-like-containing domain protein 1 isoform X2
 ADO28107.1 lim and sh3 domain protein 1
 NP_001088398.1 LIM domain and actin binding 1
 AGS58222.1 LIM domain and actin-binding 1 protein, partial
 XP_007107524.1 LIM domain and actin-binding protein 1 isoform X4
 XP_005469497.1 LIM domain and actin-binding protein 1-like isoform X2
 NP_956152.1 LIM domain binding 3
 XP_005156328.1 LIM domain binding 3 isoform X1
 XP_005169703.1 LIM domain kinase 1 isoform X2
 XP_005161503.1 LIM domain kinase 1-like
 XP_003458655.1 LIM domain kinase 1-like isoform X1
 XP_004543833.1 LIM domain kinase 1-like isoform X3
 XP_005473401.1 LIM domain kinase 2
 XP_004544643.1 LIM domain kinase 2-like
 NP_817093.1 LIM domain only 4a
 NP_001038909.2 LIM domain only 7b
 XP_005159978.1 LIM domain only 7b isoform X1
 ERE66198.1 LIM domain only protein 3
 ETE66545.1 LIM domain only protein 3, partial
 XP_005167617.1 LIM domain only protein 7 isoform X1
 XP_005542868.1 LIM domain transcription factor LMO4 isoform X3
 XP_002663297.3 LIM domain transcription factor LMO4.2
 EHB18527.1 LIM domain-binding protein 1
 XP_005156821.1 LIM domain-binding protein 1-A isoform X9
 XP_004539040.1 LIM domain-binding protein 1-like isoform X1
 AGS58242.1 LIM domain-binding protein 2
 XP_005157400.1 LIM domain-binding protein 2 isoform X2
 ELK33359.1 LIM domain-containing protein 1
 XP_005173516.1 LIM domain-containing protein 1-like isoform X1
 XP_691259.5 LIM domain-containing protein 1-like isoform X2
 XP_688621.1 LIM domain-containing protein 2-like
 XP_002662236.2 LIM domain-containing protein A
 XP_701366.4 LIM domain-containing protein ajuba
 NP_571282.1 LIM homeobox 1b
 AAI62627.1 LIM homeobox 3
 XP_001922131.4 LIM homeobox transcription factor 1-alpha-like
 XP_006791365.1 LIM homeobox transcription factor 1-alpha-like isoform X1
 NP_571291.1 LIM/homeobox protein Lhx1
 XP_006641116.1 LIM/homeobox protein Lhx1-like
 XP_005167424.1 LIM/homeobox protein Lhx2 isoform X1
 XP_005167425.1 LIM/homeobox protein Lhx2 isoform X2
 XP_005807439.1 LIM/homeobox protein Lhx2-like isoform X1
 XP_001366249.1 LIM/homeobox protein Lhx3 isoform 1
 NP_001116445.1 LIM/homeobox protein Lhx4
 NP_571293.1 LIM/homeobox protein Lhx5
 XP_004074682.1 LIM/homeobox protein Lhx5-like
 NP_001004015.1 LIM/homeobox protein Lhx6
 XP_006640595.1 LIM/homeobox protein Lhx6-like isoform X2
 XP_004439038.1 LIM/homeobox protein Lhx9
 XP_005161802.1 LIM/homeobox protein Lhx9 isoform X2
 XP_006634934.1 LIM/homeobox protein Lhx9-like
 XP_004070754.1 limb region 1 homolog-like protein-like
 CBN82039.1 Limb region 1 protein homolog
 NP_001034921.1 limbic system-associated membrane protein precursor
 XP_004567081.1 limbic system-associated membrane protein-like isoform X3

CBN81152.1	Limbin
XP_006629731.1	limbin-like
NP_571390.1	LIM-domain binding factor 2b
XP_005156954.1	LIM-domain binding factor 3 isoform X12
XP_005156947.1	LIM-domain binding factor 3 isoform X5
XP_005156950.1	LIM-domain binding factor 3 isoform X8
P08548.1	LIN1_NYCCO RecName: Full=LINE-1 reverse transcriptase homolog
ABA42816.1	lin10
BAN58249.1	lin-28 homolog protein
ACN11188.1	Lin-7 homolog C
XP_005159616.1	LINE-1 type transposase domain-containing protein 1-like
XP_005755794.1	LINE-1 type transposase domain-containing protein 1-like, partial
XP_002663915.3	lipase maturation factor 1-like
NP_001122236.1	lipase maturation factor 2
XP_006633846.1	lipase maturation factor 2-like
NP_001003499.1	lipase member H precursor
XP_001342691.1	lipase member H-like
AAI54787.1	Lipf protein
XP_006626631.1	lipid phosphate phosphatase-related protein type 1-like
XP_005729292.1	lipid phosphate phosphatase-related protein type 1-like isoform X5
NP_956750.1	lipid phosphate phosphatase-related protein type 2
NP_001164499.1	lipid phosphate phosphatase-related protein type 3a
XP_007072142.1	lipid phosphate phosphatase-related protein type 3-like
XP_698710.2	lipid phosphate phosphatase-related protein type 3-like isoform X2
XP_005163404.1	lipid phosphate phosphatase-related protein type 4 isoform X2
XP_700432.3	lipid phosphate phosphatase-related protein type 4-like
NP_001121841.1	lipid phosphate phosphatase-related protein type 5-like
XP_005165778.1	lipid phosphate phosphatase-related protein type 5-like isoform X1
XP_700147.3	lipid phosphate phosphatase-related protein type 5-like isoform X2
XP_005456537.1	lipid phosphate phosphatase-related protein type 5-like isoform X3
XP_005155515.1	lipid phosphate phosphohydrolase 1 isoform X1
XP_697507.5	lipid phosphate phosphohydrolase 1 isoform X2
XP_001334589.3	lipid phosphate phosphohydrolase 1-like
XP_006789170.1	lipid phosphate phosphohydrolase 1-like isoform X2
XP_001919561.1	lipid phosphate phosphohydrolase 3 isoform 1
XP_006791377.1	lipid phosphate phosphohydrolase 3-like
XP_003439955.1	lipid phosphate phosphohydrolase 3-like isoform 1
XP_005499046.1	lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
XP_003451381.1	lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial-like
XP_003446890.1	lipocalin-like
XP_006628259.1	lipoma HMGIC fusion partner homolog
XP_006626784.1	lipoma HMGIC fusion partner-like 2 protein-like
NP_001017562.1	lipoma HMGIC fusion partner-like 2b
XP_693927.5	lipoma HMGIC fusion partner-like 3 protein-like
XP_006631150.1	lipoma HMGIC fusion partner-like protein 4-like
NP_957492.1	lipoma-preferred partner homolog
XP_005165993.1	lipoma-preferred partner homolog isoform X1
XP_005464161.1	lipoma-preferred partner homolog isoform X2
EMC79221.1	Lipoma-preferred partner like protein, partial
XP_001342762.2	lipopolysaccharide-binding protein
NP_001187935.1	lipopolysaccharide-induced tumor necrosis factor-alpha factor homolog
NP_001157840.1	lipopolysaccharide-induced tumor necrosis factor-alpha factor-like
XP_004588233.1	lipopolysaccharide-responsive and beige-like anchor protein
XP_005977943.1	lipopolysaccharide-responsive and beige-like anchor protein isoform X1
XP_005902429.1	lipopolysaccharide-responsive and beige-like anchor protein isoform X2
XP_004066049.1	lipopolysaccharide-responsive and beige-like anchor protein-like
XP_004549372.1	lipopolysaccharide-responsive and beige-like anchor protein-like isoform X6
XP_004549373.1	lipopolysaccharide-responsive and beige-like anchor protein-like isoform X7
XP_005469913.1	lipopolysaccharide-responsive and beige-like anchor protein-like isoform X8
AHA83386.1	lipoprotein lipase
XP_005174466.1	lipoprotein lipase-like
XP_001920640.3	lipoxygenase homology domain-containing protein 1
XP_001920748.4	lipoxygenase homology domain-containing protein 1-like
ELV09476.1	Liprin-alpha-1
XP_004654298.1	liprin-alpha-1 isoform X3
XP_005947145.1	liprin-alpha-1-like
NP_001038576.1	liprin-alpha-2
XP_005164947.1	liprin-alpha-2 isoform X5
XP_005164949.1	liprin-alpha-2 isoform X7
XP_003972766.1	liprin-alpha-2-like isoform 3
XP_006633606.1	liprin-alpha-2-like isoform X1
XP_005987669.1	liprin-alpha-2-like isoform X7
XP_003198161.2	liprin-alpha-3 isoform X1
XP_005164030.1	liprin-alpha-3 isoform X2
XP_005810377.1	liprin-alpha-3-like
XP_005921829.1	liprin-alpha-3-like isoform X2
NP_001093621.2	liprin-alpha-4

XP_004069317.1	liprin-alpha-4-like
NP_001038435.1	liprin-beta-1
XP_005170005.1	liprin-beta-1 isoform X3
XP_006633207.1	liprin-beta-1-like
XP_004563531.1	liprin-beta-1-like isoform X4
ACN60298.1	Liprin-beta-2
XP_005159254.1	liprin-beta-2 isoform X3
XP_004780224.1	liprin-beta-2 isoform X5
XP_006642687.1	liprin-beta-2-like
XP_005915219.1	liprin-beta-2-like isoform X3
XP_003970125.1	liprin-beta-2-like, partial
ABA29741.1	Lis1a
EHB07045.1	LisH domain and HEAT repeat-containing protein KIAA1468
NP_957138.1	lisH domain and HEAT repeat-containing protein KIAA1468 homolog
XP_005162667.1	lisH domain and HEAT repeat-containing protein KIAA1468 homolog isoform X1
XP_005912111.1	lisH domain and HEAT repeat-containing protein KIAA1468 homolog isoform X2
XP_006122952.1	lisH domain and HEAT repeat-containing protein KIAA1468 homolog, partial
XP_002666420.3	lisH domain-containing protein ARMC9
XP_005920995.1	lisH domain-containing protein ARMC9-like isoform X4
ADO27773.1	l-isoaspartate(d-aspartate) o-methyltransferase
NP_001188104.1	l-isoaspartate(d-aspartate) o-methyltransferase precursor
XP_005801101.1	lissencephaly-1 homolog
XP_006641098.1	lissencephaly-1 homolog A-like
ADH04490.1	liver carnitine palmitoyltransferase 1
AF011026.1	liver carnitine palmitoyltransferase 1A
AF011024.1	liver carnitine palmitoyltransferase 1A-1
AF011025.1	liver carnitine palmitoyltransferase 1A-2
NP_001008538.1	liver glycogen phosphorylase
AAx45792.1	liver-expressed antimicrobial peptide 2
ADN34604.1	liver-expressed antimicrobial peptide 2 isoform C
AGS58244.1	L-lactate dehydrogenase A chain
ADO28073.1	l-lactate dehydrogenase b chain
NP_571322.1	L-lactate dehydrogenase B-A chain
AAH91860.1	Lman1 protein, partial
XP_004561989.1	LMBR1 domain-containing protein 2-B-like
AAH57494.1	Lnpb protein
AAI51960.1	LOC100000934 protein
AAI55085.1	LOC100001597 protein
AAI34248.1	LOC100002136 protein
AAI24672.1	LOC100002699 protein
AAI34905.1	LOC100002738 protein
AAI52301.1	LOC100003370 protein
AAH97199.1	LOC100004566 protein
AAI39490.1	LOC100005105 protein
AAI34210.1	LOC100005455 protein
AAI54664.1	LOC100005948 protein
AAI52627.1	LOC100006320 protein
AAH96897.1	LOC100007493 protein
AAI42935.1	LOC100007906 protein
AAI58293.1	LOC100125163 protein
AAI57611.1	LOC100135312 protein
AAI60668.1	LOC100148704 protein
AAI33148.1	LOC100149074 protein
AAI25965.1	LOC100149441 protein
AAI42826.1	LOC100150328 protein
AAH68910.1	LOC398139 protein
AAH55559.1	LOC402826 protein
AAH54652.1	LOC402838 protein, partial
AAH67672.1	LOC402855 protein, partial
AAH59797.1	LOC402879 protein, partial
AAH45321.1	LOC407614 protein, partial
AAH54565.1	LOC407638 protein
AAI39654.1	LOC407656 protein
AAH70018.1	LOC553209 protein, partial
AAI34126.1	LOC553228 protein
AAH85517.1	LOC553274 protein, partial
AAH86850.1	LOC553284 protein
AAH88389.1	LOC553285 protein, partial
AAH90185.1	LOC553294 protein, partial
AAH90739.1	LOC553303 protein, partial
AAH90800.1	LOC553309 protein, partial
AAH91547.1	LOC553316 protein, partial
AAH90516.1	LOC553323 protein, partial
AAH91901.1	LOC553343 protein, partial
AAH92734.1	LOC553361 protein, partial
AAH92878.1	LOC553366 protein, partial
AAI67433.1	LOC553381 protein
AAI34873.1	LOC553384 protein
AAI54500.1	LOC553405 protein

AAH95029.1	LOC553421 protein, partial
AAH95088.1	LOC553428 protein, partial
AAI15145.1	LOC553430 protein
AAI16512.1	LOC553441 protein
AAH95629.1	LOC553450 protein, partial
AAH95665.1	LOC553453 protein, partial
AAH95692.1	LOC553457 protein, partial
AAH95774.1	LOC553475 protein, partial
AAH95799.1	LOC553480 protein, partial
AAI25814.1	LOC553492 protein
AAH90521.1	LOC553502 protein, partial
AAH91795.1	LOC553504 protein, partial
AAH81659.1	LOC553515 protein, partial
AAH92003.1	LOC553524 protein, partial
AAI54644.1	LOC555629 protein
AAI15338.1	LOC555678 protein
AAI41800.1	LOC555713 protein
AAI34901.1	LOC555922 protein
AAI29365.1	LOC556725 protein
AAH80231.1	LOC557176 protein
AAI29458.1	LOC557463 protein
AAI22335.1	LOC557892 protein
AAI28665.1	LOC557935 protein
AAI24114.1	LOC558044 protein
AAI42858.1	LOC558106 protein
AAI22341.1	LOC558134 protein
AAI54650.1	LOC558422 protein
AAI24588.1	LOC558601 protein
AAI29249.1	LOC559027 protein
AAI39714.1	LOC559236 protein
AAI15358.1	LOC559377 protein
AAI17580.1	LOC559407 protein
AAI34929.1	LOC559610 protein
AAI54629.1	LOC559812 protein
AAI29437.1	LOC560020 protein
AAI54765.1	LOC560147 protein
AAI55652.1	LOC560422 protein
AAI34875.1	LOC560459 protein
AAI28614.1	LOC560531 protein
AAI15076.1	LOC560667 protein
AAH97171.1	LOC560667 protein, partial
AAI60665.1	LOC560716 protein
AAI55849.1	LOC561765 protein
AAI24322.1	LOC561820 protein
AAI24168.1	LOC563066 protein
AAI46710.1	LOC563247 protein
AAH91944.1	LOC564552 protein, partial
AAI39681.1	LOC564788 protein
AAI24830.1	LOC565510 protein
AAI24817.1	LOC565707 protein
AAI55564.1	LOC565984 protein
AAI52291.1	LOC566173 protein
AAI51989.1	LOC566408 protein
AAI24815.1	LOC566659 protein
AAI15275.1	LOC567075 protein
AAI34247.1	LOC567411 protein
AAI55298.1	LOC567658 protein
AAI00006.1	LOC568580 protein, partial
AAI33102.1	LOC568678 protein
AAI25873.1	LOC568719 protein
AAI39667.1	LOC569134 protein
AAI22178.1	LOC569564 protein
AAI24369.1	LOC569648 protein
AAH97249.1	LOC569692 protein
AAI24729.1	LOC569944 protein
AAH97150.1	LOC570315 protein, partial
AAI00055.1	LOC570832 protein, partial
AAI54488.1	LOC571373 protein
AAI42842.1	LOC572121 protein
AAI42778.1	LOC572200 protein
AAH91815.1	LOC572412 protein, partial
AAI55649.1	LOC572492 protein
AAI62222.1	LOC791454 protein
AAH76044.1	LOC791613 protein
AAI71500.1	LOC792190 protein
AAI53947.1	LOC792383 protein
AAI54040.1	LOC793176 protein
AAI15177.1	LOC794225 protein
AAI55670.1	LOC796833 protein

AAI52491.1	LOC797832 protein
AAI55348.1	LOC798124 protein
AAI54472.1	LOC799918 protein
XP_697646.4	location of vulva defective 1 isoform X3
XP_005158352.1	location of vulva defective 1-like
NP_001264163.1	LON peptidase N-terminal domain and RING finger protein 1
XP_006781786.1	LON peptidase N-terminal domain and RING finger protein 1-like
XP_003962265.1	LON peptidase N-terminal domain and RING finger protein 2-like
NP_001008573.1	lon protease homolog 2, peroxisomal
XP_005449469.1	lon protease homolog 2, peroxisomal-like isoform X2
XP_691712.4	lon protease homolog, mitochondrial
XP_006640037.1	lon protease homolog, mitochondrial-like
EHB15116.1	Lon protease-like protein, mitochondrial
ACZ97947.1	long wavelength-sensitive cone opsin
XP_006791373.1	long-chain fatty acid transport protein 1-like
NP_001017737.1	long-chain fatty acid transport protein 4
XP_003976834.1	long-chain fatty acid transport protein 4-like
ADX97112.1	long-chain fatty acid transport protein 6
XP_005920251.1	long-chain specific acyl-CoA dehydrogenase, mitochondrial-like isoform X2
XP_005922719.1	long-chain-fatty-acid--CoA ligase 1-like
XP_004563662.1	long-chain-fatty-acid--CoA ligase 1-like isoform X1
XP_005726856.1	long-chain-fatty-acid--CoA ligase 1-like isoform X2
NP_956943.1	long-chain-fatty-acid--CoA ligase 4
NP_001004599.1	long-chain-fatty-acid--CoA ligase 5
XP_006630838.1	long-chain-fatty-acid--CoA ligase 5-like isoform X2
XP_002663285.3	long-chain-fatty-acid--CoA ligase 6
XP_006625692.1	long-chain-fatty-acid--CoA ligase 6-like
XP_001344904.2	long-chain-fatty-acid--CoA ligase ACSBG1-like
XP_005730068.1	long-chain-fatty-acid--CoA ligase ACSBG1-like isoform X1
NP_001119851.1	long-chain-fatty-acid--CoA ligase ACSBG2
XP_006627278.1	long-chain-fatty-acid--CoA ligase ACSBG2-like
NP_001007053.1	loss of heterozygosity 12 chromosomal region 1 protein homolog
NP_001008584.1	low affinity cationic amino acid transporter 2
XP_006632108.1	low affinity cationic amino acid transporter 2-like
XP_004541116.1	low affinity cationic amino acid transporter 2-like isoform X1
XP_005460541.1	low affinity cationic amino acid transporter 2-like isoform X2
XP_006789582.1	low affinity vacuolar monovalent cation/H(+) antiporter-like
XP_003978818.1	low choriolytic enzyme-like
NP_001139883.1	Low density lipoprotein receptor adapter protein 1
NP_001133436.1	low density lipoprotein receptor adapter protein 1-B
XP_003962590.1	low density lipoprotein receptor adapter protein 1-B-like
XP_005914451.1	low density lipoprotein receptor adapter protein 1-like isoform X4
NP_945331.1	low density lipoprotein receptor adaptor protein 1a
XP_006110170.1	low density lipoprotein receptor-related protein 1, partial
NP_001124106.1	low density lipoprotein receptor-related protein 3 precursor
XP_006272073.1	low molecular weight neuronal intermediate filament-like
XP_006631669.1	low-density lipoprotein receptor 2-like
XP_003199558.1	low-density lipoprotein receptor class A domain-containing protein 2-like isoform X1
XP_006642618.1	low-density lipoprotein receptor class A domain-containing protein 3-like
XP_004563456.1	low-density lipoprotein receptor class A domain-containing protein 3-like isoform X1
XP_003200606.1	low-density lipoprotein receptor class A domain-containing protein 4 isoform X1
XP_005163927.1	low-density lipoprotein receptor isoform X1
NP_001025454.1	low-density lipoprotein receptor precursor
XP_003199120.1	low-density lipoprotein receptor-like isoform X1
XP_005166968.1	low-density lipoprotein receptor-like isoform X2
XP_780169.2	low-density lipoprotein receptor-related protein 1
XP_001920591.2	low-density lipoprotein receptor-related protein 1 isoform X1
XP_691606.6	low-density lipoprotein receptor-related protein 1, partial
XP_688859.4	low-density lipoprotein receptor-related protein 10-like
XP_005160377.1	low-density lipoprotein receptor-related protein 11 isoform X1
XP_006792785.1	low-density lipoprotein receptor-related protein 11-like
NP_001076537.1	low-density lipoprotein receptor-related protein 12
XP_005159617.1	low-density lipoprotein receptor-related protein 12 isoform X1
EMP37953.1	Low-density lipoprotein receptor-related protein 1B
XP_693526.6	low-density lipoprotein receptor-related protein 1B, partial
XP_006636381.1	low-density lipoprotein receptor-related protein 1B-like
XP_005814127.1	low-density lipoprotein receptor-related protein 1B-like, partial
XP_005172829.1	low-density lipoprotein receptor-related protein 1-like
XP_005739638.1	low-density lipoprotein receptor-related protein 1-like isoform X1
XP_005739639.1	low-density lipoprotein receptor-related protein 1-like isoform X2
XP_005023988.1	low-density lipoprotein receptor-related protein 1-like, partial
XP_707254.3	low-density lipoprotein receptor-related protein 2 isoform 5
NP_001181916.1	low-density lipoprotein receptor-related protein 2 precursor
XP_005918226.1	low-density lipoprotein receptor-related protein 2-like isoform X1
XP_005458975.1	low-density lipoprotein receptor-related protein 4
ETE68320.1	Low-density lipoprotein receptor-related protein 4, partial
XP_006643185.1	low-density lipoprotein receptor-related protein 4-like
XP_005744461.1	low-density lipoprotein receptor-related protein 4-like isoform X2
NP_001170929.1	low-density lipoprotein receptor-related protein 5

XP_005163047.1 low-density lipoprotein receptor-related protein 5 isoform X1
 XP_006782318.1 low-density lipoprotein receptor-related protein 5-like
 NP_001128156.1 low-density lipoprotein receptor-related protein 6 precursor
 XP_003976581.1 low-density lipoprotein receptor-related protein 6-like
 XP_006633699.1 low-density lipoprotein receptor-related protein 6-like isoform X2
 XP_005166314.1 low-density lipoprotein receptor-related protein 8 isoform X1
 XP_005166315.1 low-density lipoprotein receptor-related protein 8 isoform X2
 XP_005808359.1 low-density lipoprotein receptor-related protein 8-like
 XP_005935719.1 low-density lipoprotein receptor-related protein 8-like isoform X4
 AAH90801.1 LOXL3 protein, partial
 AAI71497.1 Lpp protein
 XP_002660488.3 LPS-responsive vesicle trafficking, beach and anchor containing
 BAC06473.1 LPXRFa precursor
 AAH95753.1 Lrta protein
 Q7SXW3.1 LRC40_DANRE RecName: Full=Leucine-rich repeat-containing protein 40
 Q6P5J6.1 LRC42_DANRE RecName: Full=Leucine-rich repeat-containing protein 42
 BAB83836.1 LReO_3
 ACF76563.1 LRH-1
 NP_001092246.1 LRP2-binding protein
 AAQ91038.1 LRRGT00082
 AAQ91056.1 LRRGT00100
 XP_003785878.1 L-selectin
 XP_004079786.1 L-selectin-like
 XP_005804428.1 L-serine dehydratase/L-threonine deaminase-like
 XP_005528918.1 L-seryl-tRNA(Sec) kinase
 ACO13371.1 L-seryl-tRNA(Sec) kinase
 XP_693546.2 LSM11, U7 small nuclear RNA associated
 ADO28143.1 lsm12--like protein A
 AHG98486.1 LSS, partial
 EPY77495.1 L-threonine 3-dehydrogenase, mitochondrial precursor
 XP_005739011.1 L-threonine 3-dehydrogenase, mitochondrial-like
 NP_001038784.1 luc7-like protein 3 isoform 2
 AAQ98004.1 Lunapark
 AHK05982.1 luteinizing hormone beta subunit
 NP_001187208.1 luteinizing hormone receptor precursor

 Q25060.1 LWA_HYDEC RecName: Full=LWamide neuropeptides; Contains: RecName: Full=LWamide I;
 Contains: RecName: Full=LWamide II; Contains: RecName: Full=LWS; Flags: Precursor

 NP_001017619.1 L-xylulose reductase
 XP_006635201.1 L-xylulose reductase-like
 XP_005676301.1 ly6/PLAUR domain-containing protein 1
 EPY78798.1 ly6/PLAUR domain-containing protein 6
 NP_001004670.1 ly6/PLAUR domain-containing protein 6 precursor
 XP_689109.3 lymphatic vessel endothelial hyaluronin acid receptor 1
 NP_001182204.1 lymphocyte activation gene 3 precursor
 XP_695257.6 lymphocyte antigen 75
 NP_001182341.1 lymphocyte antigen 75 precursor
 XP_005166720.1 lymphocyte antigen 75-like
 NP_001133704.1 lymphocyte cytosolic protein 2
 XP_006004566.1 lymphocyte-specific protein 1
 BAF56885.1 lymphocyte-specific protein tyrosine kinase
 NP_001001596.1 lymphocyte-specific protein tyrosine kinase isoform 1
 NP_571501.1 lymphoid enhancer-binding factor 1
 XP_003410438.1 lymphoid enhancer-binding factor 1 isoform 1
 NP_001002387.1 lymphokine-activated killer T-cell-originated protein kinase homolog
 NP_001187277.1 lyr motif-containing protein 4a
 ADO28358.1 lyr motif-containing protein 5a
 AAI07641.1 Lyricl protein
 XP_006900064.1 lys-63-specific deubiquitinase BRCC36
 XP_006632679.1 lys-63-specific deubiquitinase BRCC36-like
 NP_001075161.2 lysine (K)-specific demethylase 2B
 XP_005160305.1 lysine (K)-specific demethylase 2B isoform X1
 NP_001073662.1 lysine (K)-specific demethylase 6A, like
 NP_001025349.1 lysine (K)-specific demethylase 6B, b
 XP_005172677.1 lysine (K)-specific demethylase 6B, b isoform X1
 XP_687135.1 lysine-rich nucleolar protein 1
 XP_001339797.3 lysine-specific demethylase 2A isoform X1
 XP_005173200.1 lysine-specific demethylase 2A isoform X2
 XP_007065037.1 lysine-specific demethylase 3B
 XP_005173199.1 lysine-specific demethylase 3B isoform X5
 ERE81259.1 lysine-specific demethylase 3B-like protein
 XP_001339664.2 lysine-specific demethylase 4A
 XP_006634851.1 lysine-specific demethylase 4A-like
 XP_005165745.1 lysine-specific demethylase 4A-like isoform X2
 NP_001076274.1 lysine-specific demethylase 4B
 XP_006639963.1 lysine-specific demethylase 4B-like
 XP_006002772.1 lysine-specific demethylase 4C
 XP_004065871.1 lysine-specific demethylase 4C-like
 XP_005451786.1 lysine-specific demethylase 5A isoform X3

XP_006633883.1 lysine-specific demethylase 5A-like
 XP_004554016.1 lysine-specific demethylase 5A-like isoform X3
 XP_005167081.1 lysine-specific demethylase 5B-B isoform X1
 XP_006628351.1 lysine-specific demethylase 5B-B-like
 XP_005448528.1 lysine-specific demethylase 5B-B-like isoform X2
 NP_001116706.1 lysine-specific demethylase 5C
 XP_005167854.1 lysine-specific demethylase 6A isoform X4
 XP_697746.2 lysine-specific demethylase 6A isoform X7
 XP_004066756.1 lysine-specific demethylase 6A-like
 XP_006638948.1 lysine-specific demethylase 6A-like isoform X3
 XP_006638949.1 lysine-specific demethylase 6A-like isoform X4
 XP_005172296.1 lysine-specific demethylase 6B isoform X1
 XP_003966880.1 lysine-specific demethylase 6B-like
 XP_692914.2 lysine-specific demethylase 7A
 NP_001189348.1 lysine-specific demethylase 7B
 XP_005806968.1 lysine-specific demethylase 7B-like
 XP_003972817.1 lysine-specific demethylase 7-like
 NP_001187323.1 lysine-specific demethylase 8
 NP_001189347.1 lysine-specific demethylase phf2
 XP_005810589.1 lysine-specific demethylase phf2-like isoform X2
 XP_006631482.1 lysine-specific histone demethylase 1A-like
 XP_005925691.1 lysine-specific histone demethylase 1A-like isoform X2
 XP_005452898.1 lysine-specific histone demethylase 1B
 XP_006635862.1 lysine-specific histone demethylase 1B-like
 XP_006641263.1 lysine--tRNA ligase-like
 XP_005810475.1 lysine--tRNA ligase-like isoform X1
 XP_005467092.1 lysine--tRNA ligase-like isoform X2
 NP_001070218.1 lysM and putative peptidoglycan-binding domain-containing protein 1
 NP_001003507.1 lysM and putative peptidoglycan-binding domain-containing protein 2
 NP_001188022.1 lysm and putative peptidoglycan-binding domain-containing protein 3
 XP_006643595.1 lysocardiolipin acyltransferase 1-like, partial
 NP_001103850.1 lysophosphatidic acid phosphatase type 6
 XP_006626630.1 lysophosphatidic acid receptor 1-A-like
 XP_002916578.1 lysophosphatidic acid receptor 1-like
 NP_001003578.1 lysophosphatidic acid receptor 2a
 XP_005171116.1 lysophosphatidic acid receptor 2b isoform X3
 XP_003452580.1 lysophosphatidic acid receptor 3-like
 XP_001334713.1 lysophosphatidic acid receptor 4-like
 NP_001073524.1 lysophosphatidic acid receptor 6
 XP_005161314.1 lysophosphatidic acid receptor 6-like
 NP_001037806.2 lysophosphatidylcholine acyltransferase 1
 XP_005812328.1 lysophosphatidylcholine acyltransferase 1-like
 NP_005173498.1 lysophosphatidylcholine acyltransferase 1-like, partial
 NP_001018492.1 lysophosphatidylcholine acyltransferase 2
 NP_001007397.2 lysophospholipid acyltransferase 1
 XP_006795927.1 lysophospholipid acyltransferase 1-like
 XP_005630649.1 lysophospholipid acyltransferase 2
 XP_005158806.1 lysophospholipid acyltransferase 2 isoform X1
 XP_699295.3 lysophospholipid acyltransferase 2 isoform X3
 XP_683208.1 lysophospholipid acyltransferase 5
 XP_004550863.1 lysophospholipid acyltransferase 5-like
 NP_956831.1 lysophospholipid acyltransferase 7
 NP_991122.2 lysophospholipid acyltransferase LPCAT4
 XP_003458815.1 lysophospholipid acyltransferase LPCAT4-like
 NP_001013355.1 lysosomal acid phosphatase precursor
 XP_005450012.1 lysosomal acid phosphatase-like
 XP_002660410.1 lysosomal alpha-glucosidase isoform X1
 XP_003456977.1 lysosomal alpha-glucosidase-like
 NP_001014354.1 lysosomal alpha-mannosidase precursor
 XP_003972325.1 lysosomal alpha-mannosidase-like
 NP_001133654.1 Lysosomal protective protein precursor
 NP_001167308.1 lysosomal protein NCU-G1 precursor
 XP_003459705.1 lysosomal protein NCU-G1-like isoform X1
 NP_001002694.1 lysosomal Pro-X carboxypeptidase precursor
 XP_005796946.1 lysosomal Pro-X carboxypeptidase-like
 NP_001103329.2 lysosomal thioesterase PPT2 precursor
 XP_006643165.1 lysosomal thioesterase PPT2-A-like
 XP_003451305.1 lysosomal thioesterase PPT2-like
 NP_001187669.1 lysosomal-associated transmembrane protein 4a
 NP_956392.1 lysosomal-associated transmembrane protein 4B
 XP_004691083.1 lysosomal-trafficking regulator
 XP_004077613.1 lysosomal-trafficking regulator-like
 XP_005742495.1 lysosomal-trafficking regulator-like isoform X7
 NP_775366.1 lysosome membrane protein 2
 XP_005941874.1 lysosome membrane protein 2-like
 XP_001342688.2 lysosome-associated membrane glycoprotein 1-like
 XP_006788316.1 lysosome-associated membrane glycoprotein 1-like isoform X1
 XP_005449812.1 lysosome-associated membrane glycoprotein 5-like
 NP_001187718.1 lysozyme c precursor

ADO28271.1	lysozyme g
NP_001002706.1	lysozyme g-like 1
ABC24664.1	lysyl oxidase
NP_001036790.1	lysyl oxidase homolog 1 precursor
XP_005810583.1	lysyl oxidase homolog 1-like
XP_005431085.1	lysyl oxidase homolog 2
NP_001074095.1	lysyl oxidase homolog 2 precursor
NP_001092714.1	lysyl oxidase homolog 2A precursor
XP_003199378.2	lysyl oxidase homolog 2A-like
XP_005453416.1	lysyl oxidase homolog 3-like
XP_002664258.3	lysyl oxidase homolog 4
XP_006790809.1	lysyl oxidase homolog 4-like
XP_005173146.1	lysyl oxidase-like 3a isoform X1
XP_005156601.1	lysyl oxidase-like 3b isoform X1
AAT68104.1	lysyl-tRNA synthetase
AAW73155.1	M5 muscarinic receptor
XP_005933299.1	m7GpppX diphosphatase-like
XP_005160660.1	macoilin isoform X2
XP_006924474.1	macoilin, partial
NP_956613.2	macoilin-1
XP_005812510.1	macoilin-1-like isoform X2
XP_005157106.1	macoilin-2 isoform X2
ACO08864.1	Macrophage capping protein
XP_006808876.1	macrophage colony-stimulating factor 1 receptor 2-like isoform X3
CAQ42963.1	macrophage colony-stimulating factor-a precursor
XP_005173155.1	macrophage erythroblast attacher isoform X1
XP_004073062.1	macrophage erythroblast attacher-like isoform 1
XP_005919513.1	macrophage erythroblast attacher-like isoform X3
NP_997902.1	macrophage expressed 1 precursor
EKC22117.1	Macrophage mannose receptor 1
XP_005171763.1	macrophage mannose receptor 1-like
XP_002663858.1	macrophage-stimulating protein receptor
XP_001921292.2	macrophage-stimulating protein receptor isoform X1
NP_001158857.1	Macrosialin precursor
NP_571646.1	MAD homolog 3a
AAH50170.1	MAD1 mitotic arrest deficient-like 1
XP_005173079.1	MAD2L1-binding protein-like
EAW95965.1	MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C), isoform CRA_d
XP_005158232.1	maestro heat-like repeat family member 1 isoform X2
AAI33868.1	Magi1 protein
XP_693621.5	magnesium transporter MRS2 homolog, mitochondrial-like isoform X2
XP_005456805.1	magnesium transporter MRS2 homolog, mitochondrial-like isoform X4
NP_001006062.1	magnesium transporter NIPA1
NP_001187920.1	magnesium transporter NIPA2
NP_001002664.1	magnesium transporter NIPA4
NP_955994.1	magnesium transporter protein 1 precursor
XP_006632709.1	magnesium transporter protein 1-like
NP_001002223.1	MAGUK p55 subfamily member 2
XP_004086472.1	MAGUK p55 subfamily member 2-like
XP_003438795.2	MAGUK p55 subfamily member 2-like isoform X1
XP_006638304.1	MAGUK p55 subfamily member 2-like isoform X3
XP_005164219.1	MAGUK p55 subfamily member 3-like isoform X1
XP_005156177.1	MAGUK p55 subfamily member 3-like isoform X2
XP_002662343.2	MAGUK p55 subfamily member 4-like
XP_006632749.1	MAGUK p55 subfamily member 5-like
XP_005802763.1	MAGUK p55 subfamily member 6-like
XP_005728811.1	MAGUK p55 subfamily member 6-like isoform X3
NP_571051.1	MAGUK p55 subfamily member 7
XP_005156252.1	MAGUK p55 subfamily member 7 isoform X1
XP_006526392.1	MAGUK p55 subfamily member 7 isoform X5
XP_005163722.1	MAGUK p55 subfamily member 7-like
AFC36345.1	main olfactory receptor family H subfamily 129 member 1
AFC36334.1	main olfactory receptor family H subfamily 134 member 1
NP_001117075.1	main olfactory receptor-like protein
NP_001011396.1	major facilitator superfamily domain containing 12
ELK15871.1	Major facilitator superfamily domain-containing protein 1
NP_001017667.1	major facilitator superfamily domain-containing protein 10
XP_003975273.1	major facilitator superfamily domain-containing protein 10-like
XP_005313865.1	major facilitator superfamily domain-containing protein 12
XP_006114863.1	major facilitator superfamily domain-containing protein 12, partial
XP_004075414.1	major facilitator superfamily domain-containing protein 1-like
NP_001003570.1	major facilitator superfamily domain-containing protein 2A-B
XP_698534.3	major facilitator superfamily domain-containing protein 2A-like
XP_695343.4	major facilitator superfamily domain-containing protein 2B
XP_003440852.2	major facilitator superfamily domain-containing protein 2B-like
XP_002662041.2	major facilitator superfamily domain-containing protein 3
XP_004544282.1	major facilitator superfamily domain-containing protein 3-like isoform X1
NP_956825.1	major facilitator superfamily domain-containing protein 4-A

XP_006794262.1 major facilitator superfamily domain-containing protein 4-B-like
 NP_001076525.1 major facilitator superfamily domain-containing protein 6-A
 XP_004563373.1 major facilitator superfamily domain-containing protein 6-A-like
 NP_001003586.1 major facilitator superfamily domain-containing protein 6-like
 XP_006629645.1 major facilitator superfamily domain-containing protein 7-like
 NP_001038513.1 major facilitator superfamily domain-containing protein 8
 XP_693154.6 major facilitator superfamily domain-containing protein 8-like
 XP_001921343.4 major facilitator superfamily domain-containing protein 9
 NP_001274026.1 major histocompatibility complex class I ZDA precursor
 XP_001340413.4 major histocompatibility complex class I-related gene protein-like
 ACO14269.1 MAL2
 ADO28406.1 malate dehydrogenase
 NP_956263.1 malate dehydrogenase, cytoplasmic
 XP_003438380.2 malate dehydrogenase, cytoplasmic-like
 NP_001188337.1 malate synthase-like
 NP_001002315.1 malcavernin
 NP_001107090.1 malectin precursor
 XP_005368321.1 male-specific lethal 1 homolog isoform X1
 XP_005156360.1 male-specific lethal 1 homolog isoform X3
 NP_001107940.1 male-specific lethal 1-like 1
 NP_001156785.1 male-specific lethal 2 homolog
 XP_007084872.1 male-specific lethal 3 homolog
 NP_001135119.1 Male-specific lethal 3-like 1
 XP_688932.3 malignant fibrous histiocytoma-amplified sequence 1-like
 NP_001187990.1 malignant T cell-amplified sequence 1
 XP_002665369.2 malonyl-CoA decarboxylase, mitochondrial
 XP_005814828.1 malonyl-CoA decarboxylase, mitochondrial-like, partial
 NP_001038508.1 malonyl-CoA-acyl carrier protein transacylase, mitochondrial
 EMP39847.1 Maltase-glucoamylase, intestinal
 XP_004075928.1 maltase-glucoamylase, intestinal-like
 XP_005459555.1 maltase-glucoamylase, intestinal-like, partial
 NP_001274478.1 MAM and LDL receptor class A domain containing 1 precursor
 XP_688254.4 MAM and LDL-receptor class A domain-containing protein C10orf112
 XP_005950358.1 MAM and LDL-receptor class A domain-containing protein C10orf112-like
 XP_007197992.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 1
 XP_697640.6 MAM domain-containing glycosylphosphatidylinositol anchor protein 1-like
 XP_005170215.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 1-like isoform X1
 XP_006120781.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2
 EMC83201.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2, partial
 XP_006793104.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2-like isoform X1
 XP_006793109.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2-like isoform X6
 XP_005449770.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2-like isoform X7
 XP_005174541.1 MAM domain-containing glycosylphosphatidylinositol anchor protein 2-like, partial
 NP_001123869.1 MAM domain-containing protein 2 precursor
 XP_006627035.1 MAM domain-containing protein 2-like
 NP_001002416.1 mammalian ependymin-related protein 1 precursor
 NP_001187193.1 mammal-like melanopsin 1
 NP_001187239.1 mammal-like melanopsin 2
 XP_001503332.2 manganese-dependent ADP-ribose/CDP-alcohol diphosphatase isoform X1
 XP_005173007.1 manganese-dependent ADP-ribose/CDP-alcohol diphosphatase isoform X5
 XP_005798902.1 mannan-binding lectin serine protease 2-like
 AAT65076.1 mannan-binding lectin-associated serine protease precursor, partial
 ABW90997.1 mannan-binding lectin-like protein precursor
 AGN52245.1 mannose receptor c type 1
 XP_005812287.1 mannose-1-phosphate guanyltransferase 1-like
 ADO29424.1 mannose-1-phosphate guanyltransferase alpha-a
 NP_956791.1 mannose-1-phosphate guanyltransferase alpha-B
 XP_005165889.1 mannose-1-phosphate guanyltransferase alpha-B isoform X1
 NP_001003491.2 mannose-1-phosphate guanyltransferase beta
 XP_003448400.1 mannose-1-phosphate guanyltransferase beta-like
 NP_001028282.1 mannose-6-phosphate isomerase
 XP_003455422.1 mannose-6-phosphate isomerase-like
 NP_001167399.1 Mannose-6-phosphate receptor-binding protein 1
 BAA86866.1 mannose-binding protein-associated serine protease
 ADO27828.1 mannose-p-dolichol utilization defect 1 protein
 NP_001004545.1 mannose-P-dolichol utilization defect 1a
 XP_006795052.1 mannose-specific lectin-like
 XP_005170099.1 mannoside acetylglucosaminyltransferase 1 isoform X1
 XP_005170101.1 mannoside acetylglucosaminyltransferase 1 isoform X3
 XP_005157814.1 mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase isoform X1
 XP_694435.2 mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
 XP_005930534.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IA-like
 XP_005475399.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IB isoform X2
 XP_007069526.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IB-like
 XP_005302110.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IC
 XP_006791912.1 mannosyl-oligosaccharide 1,2-alpha-mannosidase IC-like
 NP_001073659.1 mannosyl-oligosaccharide glucosidase
 XP_005160133.1 mannosyl-oligosaccharide glucosidase isoform X1
 BAA96414.1 MAP kinase kinase 6 (MKK6)

NP_958460.1	MAP kinase-activated protein kinase 2
ACI69448.1	MAP kinase-activated protein kinase 3
XP_006631241.1	MAP kinase-activated protein kinase 3-like
XP_003451112.1	MAP kinase-activated protein kinase 5
XP_005741819.1	MAP kinase-activated protein kinase 5-like
XP_001923990.2	MAP kinase-activating death domain protein isoformX3
NP_997888.1	MAP kinase-interacting serine/threonine kinase 2
XP_006634840.1	MAP kinase-interacting serine/threonine-protein kinase 1-like
ERE72421.1	MAP kinase-interacting serine/threonine-protein kinase 2
EPQ01491.1	MAP/microtubule affinity-regulating kinase 3
XP_005170245.1	MAP/microtubule affinity-regulating kinase 3 isoform X2
XP_005170246.1	MAP/microtubule affinity-regulating kinase 3 isoform X3
XP_001922778.3	MAP/microtubule affinity-regulating kinase 3-like
ERE72558.1	MAP/microtubule affinity-regulating kinase 3-like protein
XP_697818.6	MAP/microtubule affinity-regulating kinase 4 isoform X4
XP_005157655.1	MAP/microtubule affinity-regulating kinase 4-like isoform X1
NP_001243108.1	MAP3K12-binding inhibitory protein 1
XP_005155441.1	MAP3K7 C-terminal-like protein-like isoform X1
XP_005173804.1	MAP7 domain containing 1 isoform X2
BAO51248.1	MAP7 domain containing 2
XP_005158376.1	MAP7 domain-containing protein 1 isoform X5
NP_001093562.1	MAP7 domain-containing protein 2
XP_006628068.1	MAP7 domain-containing protein 2-like
NP_001130021.1	MAPK kinase 6b
ADO27915.1	mapk/mak/mrk overlapping kinase
AGC04672.1	Mapk8IP3
EGI63032.1	Mariner Mos1 transposase
ADO28019.1	marvel domain-containing protein 1
XP_003453018.1	MARVEL domain-containing protein 2-like
NP_001140036.1	MARVEL domain-containing protein 3
BAE44364.1	MASP2-like serine protease
NP_998560.1	maspardin
XP_006632868.1	mastermind-like domain-containing protein 1-like
XP_006632089.1	mastermind-like protein 1-like
XP_005157273.1	mastermind-like protein 1-like isoform X1
XP_695719.4	mastermind-like protein 1-like isoform X2
XP_005173428.1	mastermind-like protein 2-like
XP_005160069.1	mastermind-like protein 3-like
XP_006643273.1	maternal DNA replication licensing factor mem3-like
XP_006634648.1	maternal DNA replication licensing factor mem6-like
NP_996771.2	maternal embryonic leucine zipper kinase
AAH45465.1	Matn1 protein, partial
NP_001012385.1	matrilin-3 precursor
CAF33338.1	matrilin-3a
XP_005173179.1	matrin 3-like isoform X1
XP_005173180.1	matrin 3-like isoform X2
NP_001035441.2	matriptase
XP_005159306.1	matriptase isoform X1
NP_001187095.1	matrix Gla protein precursor
ADD84682.1	matrix metalloproteinase 13
NP_001116994.1	matrix metalloproteinase 13 precursor
AGI02587.1	matrix metalloproteinase 2
XP_005171368.1	matrix metalloproteinase-14 isoform X2
NP_919397.1	matrix metalloproteinase-14 precursor
XP_001924042.4	matrix metalloproteinase-15
XP_002662954.2	matrix metalloproteinase-15-like
XP_003437629.1	matrix metalloproteinase-15-like isoform X1
XP_700781.6	matrix metalloproteinase-16
XP_006634350.1	matrix metalloproteinase-16-like
XP_005742624.1	matrix metalloproteinase-16-like isoform X2
XP_002664536.2	matrix metalloproteinase-17
XP_006640454.1	matrix metalloproteinase-17-like
XP_003199461.2	matrix metalloproteinase-19-like
XP_003200101.1	matrix metalloproteinase-20-like
XP_001342721.4	matrix metalloproteinase-21-like
NP_001017890.1	matrix metalloproteinase-23 precursor
XP_003455372.1	matrix metalloproteinase-23-like
XP_006034202.1	matrix metalloproteinase-24
XP_699803.4	matrix metalloproteinase-24 isoform X2
XP_006639739.1	matrix metalloproteinase-24-like
NP_001158874.1	Matrix metalloproteinase-25 precursor
XP_003961452.1	matrix metalloproteinase-25-like
XP_001337581.3	matrix metalloproteinase-28-like
XP_004449207.1	matrix-remodeling-associated protein 5 isoform 1
XP_001332376.5	matrix-remodeling-associated protein 5 isoform X1
XP_005159985.1	matrix-remodeling-associated protein 5 isoform X2
XP_006638077.1	matrix-remodeling-associated protein 5-like
XP_005794670.1	matrix-remodeling-associated protein 7-like isoform X2
XP_005930779.1	matrix-remodeling-associated protein 8-like

NP_001073429.2 matrix-remodelling associated 8b precursor
 XP_698607.2 max dimerization protein 1
 XP_006137192.1 MAX gene-associated protein-like, partial
 NP_001096581.1 max-binding protein MNT
 XP_006641096.1 max-binding protein MNT-like
 XP_004066402.1 max-interacting protein 1-like
 XP_005158680.1 MAX-interacting protein isoform X5
 XP_005164184.1 MAX-like protein X isoform X1
 XP_003964834.1 max-like protein X-like
 AAI24167.1 Mbd1 protein
 AAH57252.1 Mbip protein
 EDL41610.1 mCG113702
 EDL17796.1 mCG125673, isoform CRA_d
 EDL12396.1 mCG125898
 EDL06691.1 mCG126332
 EDK97860.1 mCG127132, isoform CRA_b
 XP_002714036.1 mCG145920-like
 EDL34428.1 mCG148162
 XP_002720049.1 mCG21560-like
 XP_002718343.1 mCG3164-like
 NP_956459.1 McKusick-Kaufman/Bardet-Biedl syndromes putative chaperonin
 XP_001923762.2 MCM domain-containing protein 2-like
 AAH48026.1 Mcm2 protein
 AAH45431.1 MCM3 minichromosome maintenance deficient 3 (*S. cerevisiae*), like
 AAT68037.1 MCM3-associated protein
 XP_005168483.1 MCM6 minichromosome maintenance deficient 6, like isoform X1
 FIQD19.2 MCM9_DANRE RecName: Full=DNA helicase MCM9; AltName: Full=Minichromosome maintenance 9
 P22166.1 MCP_IRV22 RecName: Full=Major capsid protein; Short=MCP; AltName: Full=P50
 AAH91882.1 Meph1 protein, partial
 AGV15504.1 M-CSF2
 O42354.1 MDM2_DANRE RecName: Full=E3 ubiquitin-protein ligase Mdm2; AltName: Full=Double minute 2 protein; AltName: Full=p53-binding protein Mdm2
 XP_003200205.1 mdm2-binding protein-like
 XP_001920947.3 MDS1 and EVI1 complex locus protein EVI1
 XP_005944727.1 MDS1 and EVI1 complex locus protein EVI1-like isoform X5
 XP_005157830.1 MDS1 and EVI1 complex locus protein MDS1-like
 XP_700974.4 meckelin
 AAI33895.1 Med11 protein
 Q5RIW8.2 MED23_DANRE RecName: Full=Mediator of RNA polymerase II transcription subunit 23; AltName: Full=Cofactor required for Sp1 transcriptional activation subunit 3; Short=CRSP complex subunit 3; AltName: Full=Mediator complex subunit 23
 Q2PW47.2 MED24_DANRE RecName: Full=Mediator of RNA polymerase II transcription subunit 24; AltName: Full=Protein lessen; AltName: Full=Thyroid hormone receptor-associated protein 4 homolog; AltName: Full=Trap100 homolog
 NP_001133848.1 mediator complex subunit 16
 XP_698304.5 mediator of DNA damage checkpoint protein 1
 XP_700209.6 mediator of RNA polymerase II transcription subunit 1, partial
 NP_001034550.1 mediator of RNA polymerase II transcription subunit 12
 XP_006633104.1 mediator of RNA polymerase II transcription subunit 12-like
 XP_005722923.1 mediator of RNA polymerase II transcription subunit 12-like isoform X3
 NP_001077307.1 mediator of RNA polymerase II transcription subunit 13-like
 XP_005463070.1 mediator of RNA polymerase II transcription subunit 13-like isoform X1
 NP_997930.2 mediator of RNA polymerase II transcription subunit 14
 XP_005167878.1 mediator of RNA polymerase II transcription subunit 14 isoform X1
 XP_005812537.1 mediator of RNA polymerase II transcription subunit 15-like
 XP_006639860.1 mediator of RNA polymerase II transcription subunit 16-like
 NP_001167330.1 Mediator of RNA polymerase II transcription subunit 17
 NP_001188029.1 mediator of RNA polymerase II transcription subunit 18
 NP_001070059.1 mediator of RNA polymerase II transcription subunit 19-A
 NP_001018472.2 mediator of RNA polymerase II transcription subunit 1-like
 XP_006791250.1 mediator of RNA polymerase II transcription subunit 1-like isoform X2
 ELW72529.1 Mediator of RNA polymerase II transcription subunit 21
 XP_005293320.1 mediator of RNA polymerase II transcription subunit 22-like
 XP_005160390.1 mediator of RNA polymerase II transcription subunit 23 isoform X1
 XP_005160391.1 mediator of RNA polymerase II transcription subunit 23 isoform X2
 XP_006012777.1 mediator of RNA polymerase II transcription subunit 23-like
 XP_004083784.1 mediator of RNA polymerase II transcription subunit 23-like isoform 1
 XP_005917653.1 mediator of RNA polymerase II transcription subunit 23-like isoform X2
 NP_001034151.1 mediator of RNA polymerase II transcription subunit 24
 XP_005173024.1 mediator of RNA polymerase II transcription subunit 24 isoform X1
 NP_999931.1 mediator of RNA polymerase II transcription subunit 25
 XP_005469053.1 mediator of RNA polymerase II transcription subunit 25-like isoform X3
 XP_005469054.1 mediator of RNA polymerase II transcription subunit 25-like isoform X4
 XP_005921846.1 mediator of RNA polymerase II transcription subunit 25-like isoform X5
 XP_005171286.1 mediator of RNA polymerase II transcription subunit 26 isoform X1
 XP_004072885.1 mediator of RNA polymerase II transcription subunit 27-like
 XP_006640719.1 mediator of RNA polymerase II transcription subunit 27-like isoform X2

NP_001007771.1 mediator of RNA polymerase II transcription subunit 28
 ACO14021.1 Mediator of RNA polymerase II transcription subunit 29
 XP_004548993.1 mediator of RNA polymerase II transcription subunit 30-like
 ADO28134.1 mediator of RNA polymerase II transcription subunit 4
 XP_003263687.1 mediator of RNA polymerase II transcription subunit 6 isoform 1
 XP_004082133.1 mediator of RNA polymerase II transcription subunit 6-like
 ADO27808.1 mediator of RNA polymerase II transcription subunit 7
 NP_001187777.1 mediator of RNA polymerase II transcription subunit 8
 XP_005815190.1 medium-chain specific acyl-CoA dehydrogenase, mitochondrial-like
 XP_006640061.1 megakaryocyte-associated tyrosine-protein kinase-like
 XP_005747611.1 megakaryocyte-associated tyrosine-protein kinase-like isoform X2
 NP_001187889.1 meiosis expressed gene 1 protein homolog
 XP_003772303.1 meiosis inhibitor protein 1
 XP_005160936.1 meiosis inhibitor protein 1-like
 XP_005940793.1 meiosis inhibitor protein 1-like isoform X2
 XP_005324832.1 meiosis-specific protein MEI4-like
 XP_005156226.1 meiosis-specific with OB domain-containing protein-like
 NP_001003597.1 meiotic nuclear division protein 1 homolog
 NP_001001407.1 meiotic recombination 11 homolog A
 XP_005157431.1 meiotic recombination 11 homolog A isoform X1
 NP_001187314.1 meiotic recombination protein DMC1/LIM15 homolog
 XP_006520470.1 meiotic recombination protein DMC1/LIM15 homolog isoform X1
 XP_006629074.1 meiotic recombination protein REC114-like
 XP_005163313.1 meiotic recombination protein REC8 homolog
 XP_006639568.1 meiotic recombination protein SPO11-like
 CAC19011.1 meis2.1 protein
 AAH75739.1 Meis3 protein
 CAL48577.1 melanin-concentrating hormone
 BAH70339.1 melanin-concentrating hormone receptor 2
 XP_686842.2 melanin-concentrating hormone receptor 2-like
 CAD58853.1 melanocortin 4 receptor
 XP_005158226.1 melanocortin 5b receptor isoform X1
 ACN39568.1 melanocortin receptor 1
 XP_001342923.4 melanocortin-2 receptor accessory protein 2-like
 BAJ83473.1 melanocortin-3 receptor
 XP_005803790.1 melanoma antigen recognized by T-cells 1-like
 XP_005157627.1 melanoma cell adhesion molecule b isoform X1
 NP_001012367.2 melanoma cell adhesion molecule b precursor
 XP_003200823.1 melanoma inhibitory activity protein 3 isoform X1
 XP_005160951.1 melanoma inhibitory activity protein 3 isoform X4
 XP_005921716.1 melanoma inhibitory activity protein 3-like
 ELR46841.1 Melanoma-associated antigen E1
 XP_004567619.1 melanoma-associated antigen G1-like
 NP_001122226.1 melanoma-derived growth regulatory protein precursor
 XP_005997468.1 melanophilin
 XP_005168768.1 melanophilin isoform X1
 XP_003459209.2 melanopsin-A-like
 NP_001002167.1 melanoregulin
 XP_006636897.1 melanoregulin-like
 XP_694299.4 melanotransferrin
 XP_694081.2 melatonin receptor type 1A-A-like
 XP_005991926.1 melatonin receptor type 1C-like
 F1QGZ6.1 MELK_DANRE RecName: Full=Maternal embryonic leucine zipper kinase; Short=zMelk; AltName: Full=Protein kinase PK38
 A2BID5.1 MELT_DANRE RecName: Full=Ventricular zone-expressed PH domain-containing protein; AltName: Full=Protein melted homolog
 XP_005156017.1 membralin isoform X1
 XP_005816619.1 membralin-like
 NP_001265531.1 membrane bound O-acyltransferase domain containing 2b
 XP_003198876.2 membrane cofactor protein-like isoform X1
 XP_004076064.1 membrane frizzled-related protein-like
 XP_005942478.1 membrane frizzled-related protein-like isoform X3
 BAB21106.1 membrane guanylyl cyclase OIGC2
 NP_991162.1 membrane magnesium transporter 1 precursor
 XP_689191.3 membrane metallo-endopeptidase-like 1
 XP_006642008.1 membrane metallo-endopeptidase-like 1-like isoform X1
 NP_956481.1 membrane progesterin receptor gamma-A
 XP_006634901.1 membrane protein FAM159A-like
 XP_005930364.1 membrane protein MLC1-like isoform X1
 XP_005471133.1 membrane protein MLC1-like isoform X4
 XP_005164100.1 membrane protein, palmitoylated 2a (MAGUK p55 subfamily member 2a) isoform X1
 AA163251.1 Membrane protein, palmitoylated 5a (MAGUK p55 subfamily member 5a)
 NP_001243118.1 membrane protein, palmitoylated 6a (MAGUK p55 subfamily member 6)
 NP_001012254.1 membrane transport protein XK
 NP_001072064.1 membrane-associated DHHC8 zinc finger protein
 NP_001007064.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1
 XP_005448795.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1 isoform X1

XP_005155887.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1 isoform X2
 XP_005155888.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1 isoform X3
 XP_006630687.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1-like
 XP_006796469.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1-like isoform X6
 ACO13352.1 Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2
 XP_005164941.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2 isoform X1
 XP_006633536.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2-like
 XP_005470966.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2-like isoform X1

 XP_005740878.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2-like isoform X3
 CBN80706.1 Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3
 XP_006865964.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 isoform X2
 XP_006628485.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3-like
 XP_005731690.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3-like isoform X1

 XP_005448482.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3-like isoform X2

 XP_005930753.1 membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3-like isoform X5
 XP_005946345.1 membrane-associated phosphatidylinositol transfer protein 2-like isoform X1
 XP_005720125.1 membrane-associated phosphatidylinositol transfer protein 2-like isoform X6
 NP_571650.1 membrane-associated phosphatidylinositol transfer protein 3
 AGS58249.1 membrane-associated phosphatidylinositol transfer protein 3, partial
 XP_005739432.1 membrane-associated phosphatidylinositol transfer protein 3-like
 XP_005932092.1 membrane-associated phosphatidylinositol transfer protein 3-like isoform X1
 XP_006801607.1 membrane-associated phosphatidylinositol transfer protein 3-like isoform X4
 NP_001025336.1 membrane-associated ring finger (C3HC4) 4
 XP_006878396.1 membrane-associated ring finger (C3HC4) 9
 NP_001103847.1 membrane-associated transporter protein
 XP_005156179.1 membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase isoform X1
 XP_005810680.1 membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase-like
 BAN84489.1 membrane-bound complement regulatory protein
 CAN88262.1 membrane-bound transcription factor protease, site 1
 NP_954683.1 membrane-bound transcription factor site-1 protease precursor
 XP_006641461.1 membrane-bound transcription factor site-1 protease-like
 NP_001020632.1 membrane-bound transcription factor site-2 protease
 NP_001135372.1 Membrane-spanning 4-domains subfamily A member 12
 NP_001134813.1 Membrane-spanning 4-domains subfamily A member 4A
 XP_006641872.1 membrane-spanning 4-domains subfamily A member 4A-like
 XP_005165010.1 membrane-spanning 4-domains subfamily A member 4A-like isoform X2
 XP_002665104.1 membrane-spanning 4-domains subfamily A member 4D-like isoform X3
 XP_706568.4 membrane-spanning 4-domains subfamily A member 4D-like isoformX2
 ACT168246.1 Membrane-spanning 4-domains subfamily A member 8A
 XP_003197854.2 meprin A subunit beta
 XP_004553025.1 meprin A subunit beta-like
 NP_001122179.1 merlin
 XP_006640249.1 merlin-like
 XP_003975154.1 merlin-like isoform 2
 NP_001002450.2 mesenchyme homeobox 1
 NP_001038589.1 mesenchyme homeobox 2b
 XP_005166423.1 mesoderm development candidate 1-like
 XP_005166311.1 mesoderm induction early response 1 homolog a isoform X2
 XP_006786945.1 mesoderm induction early response protein 1-like isoform X1
 XP_005935752.1 mesoderm induction early response protein 1-like isoform X2
 XP_004072368.1 mesoderm induction early response protein 3-like
 XP_005166432.1 mesoderm posterior aa isoform X1
 XP_006629065.1 mesoderm posterior protein 1-like
 NP_571118.1 mesoderm specific transcript
 XP_006807550.1 mesothelin-like protein-like, partial
 A5WVX1.1 MET13_DANRE RecName: Full=Methyltransferase-like protein 13
 XP_005160826.1 metabotropic glutamate receptor 1 isoform X2
 AGW27131.1 metabotropic glutamate receptor 1b
 XP_005454711.1 metabotropic glutamate receptor 1-like isoform X2
 XP_005166174.1 metabotropic glutamate receptor 2 isoform X2
 NP_001274476.1 metabotropic glutamate receptor 2 precursor
 NP_001121815.1 metabotropic glutamate receptor 3 precursor
 XP_005163980.1 metabotropic glutamate receptor 4 isoform X1
 XP_695566.4 metabotropic glutamate receptor 4 isoform X3
 XP_004546515.1 metabotropic glutamate receptor 4-like
 XP_005926296.1 metabotropic glutamate receptor 4-like isoform X3
 XP_005729811.1 metabotropic glutamate receptor 4-like isoform X5
 AGW27136.1 metabotropic glutamate receptor 5a
 AGW27137.1 metabotropic glutamate receptor 5b

XP_696823.4	metabotropic glutamate receptor 5-like
AGW27140.1	metabotropic glutamate receptor 7
XP_005942304.1	metabotropic glutamate receptor 7-like
XP_004559030.1	metabotropic glutamate receptor 7-like isoform X2
AGW27141.1	metabotropic glutamate receptor 8a
XP_004086437.1	metabotropic glutamate receptor 8-like
XP_005164547.1	metabotropic glutamate receptor 8-like isoform X1
XP_005796106.1	metal regulatory transcription factor 1-like
XP_005520911.1	metal transporter CNNM1
XP_005801674.1	metal transporter CNNM1-like
XP_001922805.4	metal transporter CNNM2 isoform X1
XP_004942307.1	metal transporter CNNM2 isoform X6
XP_003199529.2	metal transporter CNNM3-like
XP_006797340.1	metal transporter CNNM3-like isoform X1
XP_005165113.1	metal transporter CNNM4 isoform X1
XP_005165114.1	metal transporter CNNM4 isoform X2
XP_006625395.1	metal transporter CNNM4-like
XP_002666690.2	metal transporter CNNM4-like isoform X1
XP_005730680.1	metal transporter CNNM4-like isoform X2
XP_005944652.1	metal transporter CNNM4-like isoform X3
XP_692640.3	metallo-beta-lactamase domain-containing protein 1-like
NP_001116739.1	metallo-beta-lactamase domain-containing protein 2
XP_005162821.1	metalloendopeptidase homolog PEX isoform X1
XP_005162822.1	metalloendopeptidase homolog PEX isoform X2
NP_001187832.1	metallophosphoesterase 1
EAW73305.1	metallophosphoesterase domain containing 1, isoform CRA_a
NP_956336.1	metallophosphoesterase domain containing 2b
XP_006031586.1	metallophosphoesterase domain-containing protein 1 isoform X4
XP_001339642.4	metallophosphoesterase domain-containing protein 1-like
XP_006642586.1	metallophosphoesterase MPPED2-like
ACI67108.1	Metalloprotease ATP23
NP_001140067.1	metalloprotease C21orf57
XP_004388322.1	metalloprotease TIK11
XP_005735424.1	metalloprotease TIK11-like
XP_005795811.1	metalloprotease TIK12-like
XP_005939292.1	metalloproteinase inhibitor 3-like
XP_006631091.1	metalloproteinase inhibitor 4-like
XP_006634396.1	metalloreductase STEAP1-like
XP_001921185.1	metalloreductase STEAP2
XP_002663339.1	metalloreductase STEAP3 isoform X1
XP_006636209.1	metalloreductase STEAP4-like
NP_001038729.1	metal-response element-binding transcription factor 2
XP_004078554.1	metal-response element-binding transcription factor 2-like
XP_006634758.1	metal-response element-binding transcription factor 2-like isoform X1
NP_001186695.1	metastasis associated in colon cancer 1
XP_005170001.1	metastasis suppressor 1-like isoform X1
XP_004047564.1	metastasis suppressor protein 1
XP_005042532.1	metastasis suppressor protein 1 isoform X11
XP_005944861.1	metastasis suppressor protein 1-like
XP_004376872.1	metastasis-associated protein MTA1
XP_005156347.1	metastasis-associated protein MTA1-like isoform X2
XP_005172244.1	metastasis-associated protein MTA2 isoform X1
XP_005156320.1	metastasis-associated protein MTA3 isoform X1
AAR07991.1	metaxin 1, partial
NP_001121710.1	metaxin 1a
ADO28229.1	metaxin-2
XP_005997663.1	metaxin-3 isoform X2
XP_004576451.1	metaxin-3-like isoform X3
AAH88383.1	Meteorin, glial cell differentiation regulator
NP_998150.1	meteorin-like protein precursor
XP_004558395.1	meteorin-like protein-like
XP_005745471.1	meteorin-like protein-like isoform X1
XP_004067391.1	methenyltetrahydrofolate synthase domain-containing protein-like
NP_001013492.2	methionine adenosyltransferase 2 subunit beta
XP_005156604.1	methionine aminopeptidase 1 isoform X1
NP_001019563.1	methionine aminopeptidase 1D, mitochondrial precursor
XP_004542504.1	methionine aminopeptidase 1D, mitochondrial-like
EMP26923.1	Methionine aminopeptidase 2
NP_932338.1	methionine synthase
XP_003803519.1	methionine synthase isoform 2
XP_005162677.1	methionine synthase reductase isoform X1
XP_007057864.1	methionine synthase reductase isoform X2
XP_006638727.1	methionine synthase-like
XP_006129368.1	methionine-R-sulfoxide reductase B1
XP_003967916.1	methionine-R-sulfoxide reductase B2, mitochondrial-like
NP_956370.1	methionine--tRNA ligase, cytoplasmic
XP_003973542.1	methionine--tRNA ligase, cytoplasmic-like isoform 2
XP_005740101.1	methionine--tRNA ligase, cytoplasmic-like isoform X2
XP_694935.2	methionine--tRNA ligase, mitochondrial-like

NP_955934.1	methionyl aminopeptidase 2b
NP_001038218.1	methyl-CpG binding domain protein 1
XP_005169325.1	methyl-CpG binding domain protein 1 isoform X4
NP_997933.1	methyl-CpG-binding domain protein 2
XP_004561978.1	methyl-CpG-binding domain protein 2-like isoform X2
NP_997934.1	methyl-CpG-binding domain protein 3
XP_006513364.1	methyl-CpG-binding domain protein 3 isoform X1
ETE65906.1	Methyl-CpG-binding domain protein 3, partial
XP_004070828.1	methyl-CpG-binding domain protein 4-like
XP_006636385.1	methyl-CpG-binding domain protein 5-like
XP_690360.3	methyl-CpG-binding domain protein 6
NP_998092.1	methylcrotonoyl-CoA carboxylase beta chain, mitochondrial
XP_005805294.1	methylcrotonoyl-CoA carboxylase beta chain, mitochondrial-like
NP_001107124.1	methylcrotonoyl-Coenzyme A carboxylase 2
XP_005156766.1	methylcytosine dioxygenase TET1-like
XP_005159960.1	methylcytosine dioxygenase TET2-like
XP_005168673.1	methylcytosine dioxygenase TET3 isoform X2
NP_001121727.1	methylenetetrahydrofolate reductase
XP_006804341.1	methylenetetrahydrofolate reductase-like isoform X1
XP_005813216.1	methylglutaconyl-CoA hydratase, mitochondrial-like
NP_001002374.1	methylmalonate-semialdehyde dehydrogenase acylating, mitochondrial
NP_001098582.1	methylmalonic aciduria (cobalamin deficiency) cblA type
NP_001002453.1	methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria
NP_001187482.1	methylmalonic aciduria and homocystinuria type c-like protein
XP_005727004.1	methylmalonic aciduria type A protein, mitochondrial-like
XP_006997825.1	methylmalonyl-CoA mutase, mitochondrial
XP_006793183.1	methylmalonyl-CoA mutase, mitochondrial-like
NP_001187371.1	methylosome protein 50
NP_001104708.1	methylthioribose-1-phosphate isomerase
XP_006790934.1	methylthioribose-1-phosphate isomerase-like
XP_005157635.1	methyltransferase like 16 isoform X1
XP_005171396.1	methyltransferase like 17 isoform X2
XP_005159014.1	methyltransferase like 21D isoform X1
AAI54304.1	Methyltransferase like 3
NP_001073508.1	methyltransferase like 7A precursor
ACT69997.1	methyltransferase Mb3374
NP_0010113345.1	methyltransferase-like protein 10
ADO28083.1	methyltransferase-like protein 11a
EMT14674.1	Methyltransferase-like protein 13
XP_006259721.1	methyltransferase-like protein 14 isoform X1
XP_007125519.1	methyltransferase-like protein 16 isoform X3
XP_006641097.1	methyltransferase-like protein 16-like
XP_005729040.1	methyltransferase-like protein 17, mitochondrial-like
XP_004069302.1	methyltransferase-like protein 21B-like
XP_005159833.1	methyltransferase-like protein 24-like
XP_006633669.1	methyltransferase-like protein 25-like
XP_005799455.1	methyltransferase-like protein 2-A-like
XP_689178.3	methyltransferase-like protein 4-like
NP_001005949.1	methyltransferase-like protein 5
NP_956497.2	methyltransferase-like protein 6
ACO10038.1	Methyltransferase-like protein 7A precursor
NP_001133601.1	Methyltransferase-like protein 9
NP_001007350.1	mevalonate kinase
XP_006126799.1	mevalonate kinase isoform X1
AAM43806.1	MF-25 protein
Q503U3.1	MFFA_DANRE RecName: Full=Mitochondrial fission factor homolog A
AAI39635.1	Mfge8l protein
AAI52605.1	MGC173689 protein
NP_001085695.1	MGC80496 protein
NP_001133081.1	MGC81610 protein-like
AAH92939.1	Mgmt protein, partial
AAD08648.1	MHC class I alpha chain
AAD08647.1	MHC class I alpha chain, partial
ACF21833.1	MHC class I antigen
AHA37404.1	MHC class I antigen ZLA transcript variant 2
AFO38421.1	MHC class I antigen, partial
ACV87416.1	MHC class Ia chain
AHB87255.1	MHC class II alpha chain, partial
AAD39868.1	MHC class II antigen
CAD27729.1	MHC class II antigen beta chain
AAC02096.1	MHC class II beta chain
CBX11168.1	MHC class II beta chain, partial
AEZ67439.1	MHC class II invariant chain Ii
XP_682728.4	MHC class II regulatory factor RFX1
XP_005163907.1	MHC class II regulatory factor RFX1 isoform X1
XP_005947997.1	MHC class II regulatory factor RFX1-like
XP_005457780.1	MHC class II regulatory factor RFX1-like isoform X11
XP_005163972.1	MHC class II transactivator isoform X2
ADM21330.1	MHC class IIA antigen

AGO18313.1	MHC non-classical class I heavy chain, partial
XP_005158951.1	MHD domain-containing death-inducing protein isoform X1
XP_005158952.1	MHD domain-containing death-inducing protein isoform X2
AAI62476.1	Mib protein
AAI63627.1	Mib2 protein
AAH59615.1	Mical3 protein, partial
XP_001922175.2	MICAL-like 1
XP_005164256.1	mical-like 2a isoform X4
XP_005170919.1	mical-like 2b isoform X2
XP_006636966.1	MICAL-like protein 1-like
XP_005468863.1	MICAL-like protein 1-like isoform X4
XP_006637046.1	MICAL-like protein 2-like
XP_003199738.1	microcephalin isoform X1
XP_006638912.1	microcephalin-like
XP_006632165.1	microfibril-associated glycoprotein 3-like
ACQ58258.1	Microfibril-associated glycoprotein 4 precursor
XP_006631644.1	microfibril-associated glycoprotein 4-like
XP_003449487.1	microfibril-associated glycoprotein 4-like isoform X1
XP_005171110.1	microfibril-associated glycoprotein 4-like isoform X3
XP_005755875.1	microfibril-associated glycoprotein 4-like, partial
NP_957311.1	microfibrillar-associated protein 1
XP_006804505.1	microfibrillar-associated protein 1-like
XP_686013.4	microfibrillar-associated protein 3-like isoform 3
NP_998054.1	microfibrillar-associated protein 4 precursor
NP_571922.2	microphthalmia-associated transcription factor
XP_005166064.1	microphthalmia-associated transcription factor a isoform X1
XP_006630679.1	microphthalmia-associated transcription factor-like isoform X4
NP_001116221.1	microprocessor complex subunit DGCR8
ADO28130.1	microsomal glutathione S-transferase 1
ADO28117.1	microsomal glutathione S-transferase 3
AAI35021.1	Microsomal triglyceride transfer protein
ETE69487.1	Microsomal triglyceride transfer protein large subunit, partial
NP_998438.1	microspherule protein 1
AFS28885.1	microtubule associated monooxygenase calponin and LIM domain containing 2b isoform S2
NP_001258842.1	microtubule associated monooxygenase, calponin and LIM domain containing 2b
XP_005174397.1	microtubule associated monooxygenase, calponin and LIM domain containing 2b isoform X2
XP_005174398.1	microtubule associated monooxygenase, calponin and LIM domain containing 2b isoform X3
XP_005174400.1	microtubule associated monooxygenase, calponin and LIM domain containing 2b isoform X5
EAW84317.1	microtubule associated serine/threonine kinase 1, isoform CRA_a
XP_003200667.2	microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 isoform X1
XP_005159725.1	microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 isoform X5
XP_005159726.1	microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 isoform X6
XP_695869.5	microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like
XP_004572742.1	microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like isoform X2
XP_005945387.1	microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like isoform X6
XP_004074324.1	microtubule-actin cross-linking factor 1-like
XP_004380743.1	microtubule-associated protein 1A
XP_001921072.3	microtubule-associated protein 1A isoform X1
XP_005603137.1	microtubule-associated protein 1A isoform X2
XP_003969788.1	microtubule-associated protein 1A-like
XP_001338014.4	microtubule-associated protein 1A-like isoform X1
XP_691274.3	microtubule-associated protein 1B
XP_006017607.1	microtubule-associated protein 1B-like
XP_002663454.3	microtubule-associated protein 2 isoform X1
XP_005167926.1	microtubule-associated protein 2 isoform X2
XP_006802482.1	microtubule-associated protein 2-like
XP_001920675.4	microtubule-associated protein 4-like isoform X1
XP_005162979.1	microtubule-associated protein 4-like isoform X3
XP_005171301.1	microtubule-associated protein 4-like isoform X4
XP_005171477.1	microtubule-associated protein 6 homolog
XP_001336546.4	microtubule-associated protein 6 homolog isoform X1
XP_002664657.1	microtubule-associated protein 6-like
NP_001265774.1	microtubule-associated protein 9
XP_005456925.1	microtubule-associated protein 9-like
XP_005158606.1	microtubule-associated protein futsch isoform X1
XP_684861.3	microtubule-associated protein futsch isoform X2
XP_697084.4	microtubule-associated protein futsch-like
XP_006800936.1	microtubule-associated protein futsch-like isoform X2
ACO09492.1	Microtubule-associated protein RP/EB family member 1
XP_005162007.1	microtubule-associated protein RP/EB family member 1 isoform X2
XP_005721505.1	microtubule-associated protein RP/EB family member 2-like isoform X1
ADO28074.1	microtubule-associated protein rp/eb family member 3
XP_003641117.2	microtubule-associated protein RP/EB family member 3-like isoform X1
XP_001340566.4	microtubule-associated protein tau
XP_005171654.1	microtubule-associated protein tau isoform X2

XP_005171656.1	microtubule-associated protein tau isoform X4
XP_005171658.1	microtubule-associated protein tau isoform X6
XP_006638354.1	microtubule-associated protein tau-like
XP_005158903.1	microtubule-associated protein, RP/EB family, member 3a isoform X1
ADO28141.1	microtubule-associated proteins 1a/1b light chain 3b
NP_001140044.1	Microtubule-associated proteins 1A/1B light chain 3C
XP_006105087.1	microtubule-associated serine/threonine-protein kinase 1
XP_001336447.3	microtubule-associated serine/threonine-protein kinase 1-like
XP_001341305.4	microtubule-associated serine/threonine-protein kinase 2 isoform X1
XP_005166348.1	microtubule-associated serine/threonine-protein kinase 2 isoform X2
XP_003974375.1	microtubule-associated serine/threonine-protein kinase 3-like
XP_003199517.2	microtubule-associated serine/threonine-protein kinase 3-like isoform X1
XP_005165723.1	microtubule-associated serine/threonine-protein kinase 4 isoform X2
XP_005157296.1	microtubule-associated tumor suppressor 1 homolog A isoform X1
XP_005157298.1	microtubule-associated tumor suppressor 1 homolog A isoform X3
XP_001919969.4	microtubule-associated tumor suppressor 1 homolog A-like isoform X1
XP_005719566.1	microtubule-associated tumor suppressor 1 homolog A-like isoform X2
NP_001001925.1	microtubule-associated tumor suppressor 1 isoform 2
XP_002664587.2	microtubule-associated tumor suppressor candidate 2-like
XP_684038.3	microtubule-associated tumor suppressor candidate 2-like isoform X2
ACO07778.1	Mid1-interacting protein 1
ADO28176.1	mid1-interacting protein 1a
XP_006269645.1	midasin
ABC67288.1	midkine b
ELK30194.1	Midline-1
XP_003440987.1	midline-1-like isoform X1
XP_006050568.1	midnolin
XP_005170493.1	midnolin isoform X1
EAW89264.1	MIF4G domain containing, isoform CRA_b
NP_001013302.1	MIF4G domain-containing protein B
XP_005163073.1	milk fat globule-EGF factor 8 protein b isoform X1
NP_001074459.1	milk fat globule-EGF factor 8 protein b precursor
ACI68238.1	Mimecan precursor
CAH03995.2	mineralocorticoid receptor
XP_006629556.1	mineralocorticoid receptor-like
NP_997743.1	mini-chromosome maintenance complex-binding protein
XP_005156833.1	mini-chromosome maintenance complex-binding protein isoform X1
ACN11214.1	Minor histocompatibility antigen H13
XP_005996390.1	minor histocompatibility protein HA-1
XP_005170572.1	minor histocompatibility protein HA-1 isoform X3
XP_005170573.1	minor histocompatibility protein HA-1 isoform X4
XP_006800529.1	minor histocompatibility protein HA-1-like
XP_001919378.4	minor histocompatibility protein HA-1-like isoform X1
XP_005171523.1	minor histocompatibility protein HA-1-like isoform X2
CAP09075.1	minos transposase
AAH66753.1	Minpp1 protein
XP_006809695.1	MIP18 family protein FAM96A-like
XP_005158683.1	mirror-image polydactyly gene 1 protein isoform X2
NP_001158811.1	mismatch repair endonuclease PMS2
XP_006801008.1	mismatch repair endonuclease PMS2-like
ERE69337.1	missshapen-like kinase 1
EPY84370.1	missshapen-like kinase 1 isoform 1
XP_006627458.1	missshapen-like kinase 1-like
ADO28041.1	mit domain-containing protein 1
NP_001018198.1	mitochondria-eating protein
NP_001188078.1	mitochondrial 10 kDa heat shock protein
XP_002661418.2	mitochondrial 10-formyltetrahydrofolate dehydrogenase
ADO27911.1	mitochondrial 28S ribosomal protein s12
NP_001188000.1	mitochondrial 28S ribosomal protein s14
NP_001187779.1	mitochondrial 28S ribosomal protein s21
NP_001187416.1	mitochondrial 28S ribosomal protein s25
ACI66099.1	Mitochondrial 28S ribosomal protein S28
NP_001188216.1	mitochondrial 28S ribosomal protein s29
NP_001188143.1	mitochondrial 28S ribosomal protein s35
NP_001187458.1	mitochondrial 28S ribosomal protein s7
NP_001070100.1	mitochondrial 2-oxodicarboxylate carrier
NP_001188019.1	mitochondrial 2-oxoglutarate/malate carrier protein
NP_001187444.1	mitochondrial 39S ribosomal protein I10
NP_001187928.1	mitochondrial 39S ribosomal protein I13
NP_001187579.1	mitochondrial 39S ribosomal protein I15
NP_001188153.1	mitochondrial 39S ribosomal protein I16
ADO28423.1	mitochondrial 39S ribosomal protein I23
NP_001187775.1	mitochondrial 39S ribosomal protein I32
NP_001187977.1	mitochondrial 39S ribosomal protein I33
NP_001188179.1	mitochondrial 39S ribosomal protein I35
ADO28306.1	mitochondrial 39S ribosomal protein I38
NP_001187653.1	mitochondrial 39S ribosomal protein I4
NP_001187729.1	mitochondrial 39S ribosomal protein I51
AAP42512.1	mitochondrial alanine aminotransferase

CAX48603.1 mitochondrial antiviral signaling
 ADO27746.1 mitochondrial aspartate aminotransferase
 NP_001188133.1 mitochondrial ATP synthase f1 complex assembly factor 1
 BAB47390.1 mitochondrial ATP synthase gamma-subunit
 ADO27864.1 mitochondrial ATP synthase lipid-binding protein
 NP_001187881.1 mitochondrial ATP synthase subunit b
 ADO27957.1 mitochondrial ATP synthase subunit d
 NP_001187531.1 mitochondrial ATP synthase subunit e
 NP_001187999.1 mitochondrial ATP synthase subunit f
 XP_006629926.1 mitochondrial calcium uniporter regulatory subunit MCUb-like
 NP_001082883.1 mitochondrial cardiolipin hydrolase
 XP_006632306.1 mitochondrial carnitine/acylcarnitine carrier protein CACL-like
 XP_004567623.1 mitochondrial carnitine/acylcarnitine carrier protein-like isoform X1
 NP_001187386.1 mitochondrial carrier homolog 2
 NP_001038918.1 mitochondrial coenzyme A transporter SLC25A42
 NP_001187894.1 mitochondrial creatine kinase s-type
 ADO27896.1 mitochondrial cytochrome b-c1 complex subunit rieske
 ADO28772.1 mitochondrial cytochrome c oxidase polypeptide 7a2
 ADO28258.1 mitochondrial cytochrome c oxidase subunit 4 isoform 1
 ADO28030.1 mitochondrial cytochrome c oxidase subunit 4 isoform 2
 ADO27968.1 mitochondrial cytochrome c oxidase subunit 7a-related protein
 ADO28791.1 mitochondrial cytochrome c oxidase subunit 7b
 ADO28404.1 mitochondrial cytochrome c1 heme protein
 XP_005350923.1 mitochondrial dicarboxylate carrier isoform X1
 NP_001070116.2 mitochondrial dynamic protein MID49
 XP_005171643.1 mitochondrial dynamic protein MID51 isoform X1
 NP_001077309.1 mitochondrial dynamics protein MID51
 ADO28246.1 mitochondrial electron transfer flavoprotein subunit alpha
 XP_006634369.1 mitochondrial enolase superfamily member 1-like
 XP_005745005.1 mitochondrial fission 1 protein-like
 NP_001018402.2 mitochondrial fission factor homolog A
 XP_005157812.1 mitochondrial fission factor homolog B isoform X1
 XP_001336867.1 mitochondrial fission factor-like isoform 1
 XP_003455619.1 mitochondrial fission process protein 1-like
 NP_001008578.1 mitochondrial fission regulator 1
 NP_956178.1 mitochondrial fission regulator 1-like
 NP_001070753.1 mitochondrial fission regulator 2
 NP_001013354.1 mitochondrial folate transporter/carrier
 NP_001008640.1 mitochondrial genome maintenance exonuclease 1
 ADO28181.1 mitochondrial glutamate carrier 1
 XP_001923807.2 mitochondrial glutamate carrier 1 isoform X1
 XP_001922072.1 mitochondrial glutamate carrier 1-like
 ADO28150.1 mitochondrial hydroxyacyl-coenzyme a dehydrogenase
 NP_001002678.1 mitochondrial import inner membrane translocase subunit Tim10
 ACO09710.1 Mitochondrial import inner membrane translocase subunit Tim13
 XP_003978296.1 mitochondrial import inner membrane translocase subunit TIM14-like
 XP_688866.2 mitochondrial import inner membrane translocase subunit Tim21
 XP_003198763.1 mitochondrial import inner membrane translocase subunit Tim22-like
 XP_006270225.1 mitochondrial import inner membrane translocase subunit Tim23-like
 XP_003199736.1 mitochondrial import inner membrane translocase subunit Tim23-like isoform X1
 NP_001013525.1 mitochondrial import inner membrane translocase subunit TIM44
 NP_956959.1 mitochondrial import inner membrane translocase subunit TIM50 precursor
 NP_001122251.1 mitochondrial import inner membrane translocase subunit Tim8 B
 XP_004082181.1 mitochondrial import inner membrane translocase subunit Tim9-like isoform 2
 XP_006638631.1 mitochondrial import receptor subunit TOM20 homolog
 ACO09752.1 Mitochondrial import receptor subunit TOM22 homolog
 NP_955932.2 mitochondrial import receptor subunit TOM34
 ACI33382.1 Mitochondrial import receptor subunit TOM40 homolog
 XP_416605.2 mitochondrial import receptor subunit TOM70
 XP_005165992.1 mitochondrial import receptor subunit TOM70 isoform X1
 XP_005814129.1 mitochondrial inner membrane organizing system protein 1-like
 ADO28149.1 mitochondrial inner membrane protease subunit 1
 NP_001001401.1 mitochondrial inner membrane protein
 XP_005157248.1 mitochondrial inner membrane protein isoform X1
 ELW47590.1 Mitochondrial intermediate peptidase
 XP_001344847.2 mitochondrial intermediate peptidase isoform X1
 NP_001003538.1 mitochondrial intermembrane space import and assembly protein 40
 ADO27870.1 mitochondrial l-threonine 3-dehydrogenase
 ADO28004.1 mitochondrial malate dehydrogenase
 NP_001188234.1 mitochondrial methylmalonic aciduria and homocystinuria type d protein
 NP_001188226.1 mitochondrial mimitin
 NP_001187702.1 mitochondrial mmp37-like protein
 NP_001187320.1 mitochondrial NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 9
 NP_001187976.1 mitochondrial NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 2
 NP_001187586.1 mitochondrial NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 5
 NP_001187868.1 mitochondrial NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 8
 NP_001188135.1 mitochondrial NADH dehydrogenase (ubiquinone) iron-sulfur protein 6
 ADO28179.1 mitochondrial NADH dehydrogenase 1 beta subcomplex subunit 8
 ADO27801.1 mitochondrial NADH dehydrogenase flavoprotein 2

NP_001187437.1 mitochondrial ornithine transporter 1
 XP_003456847.1 mitochondrial ornithine transporter 1-like isoform X1
 XP_007064936.1 mitochondrial peptide methionine sulfoxide reductase-like
 ADO28304.1 mitochondrial peptidyl-tRNA hydrolase 2
 ADO28119.1 mitochondrial phospholipid hydroperoxide glutathione peroxidase
 NP_001187335.1 mitochondrial probable 28S ribosomal protein s10
 ADO27845.1 mitochondrial probable 39S ribosomal protein l24
 ADO27929.1 mitochondrial probable methyltransferase c20orf7-like protein
 NP_001188014.1 mitochondrial putative octanoyltransferase
 XP_003219154.1 mitochondrial pyruvate carrier 2
 ADO27916.1 mitochondrial pyruvate dehydrogenase (lipoamide) kinase isozyme 3
 NP_001188013.1 mitochondrial pyruvate dehydrogenase e1 component subunit beta
 XP_005166248.1 mitochondrial Rho GTPase 1 isoform X2
 XP_005166249.1 mitochondrial Rho GTPase 1 isoform X3
 XP_004567868.1 mitochondrial Rho GTPase 1-A-like isoform X1
 XP_006787499.1 mitochondrial Rho GTPase 1-A-like isoform X2
 NP_001032768.1 mitochondrial Rho GTPase 2
 XP_006637119.1 mitochondrial Rho GTPase 2-like isoform X1
 XP_683289.3 mitochondrial ribonuclease P protein 3-like
 ACO09259.1 Mitochondrial ribosomal protein S23
 AAI53566.1 Mitochondrial ribosomal protein S34
 NP_001187294.1 mitochondrial ribosome-associated GTPase 1
 XP_005812007.1 mitochondrial ribosome-associated GTPase 2-like
 XP_004575786.1 mitochondrial sodium/hydrogen exchanger 9B2-like
 XP_699710.2 mitochondrial sodium/hydrogen exchanger 9B2-like isoform X2
 ACT36705.1 mitochondrial sterol transfer protein
 ADO28162.1 mitochondrial succinate dehydrogenase assembly factor 2
 ADO28842.1 mitochondrial succinate dehydrogenase cytochrome b560 subunit
 ADO27903.1 mitochondrial succinate dehydrogenase iron-sulfur subunit
 ADO28066.1 mitochondrial tricarboxylate transport protein
 NP_001082906.1 mitochondrial trifunctional protein, alpha subunit
 XP_003976473.1 mitochondrial tRNA-specific 2-thiouridylase 1-like
 NP_001187658.1 mitochondrial tyrosine phosphatase 1
 NP_001018134.1 mitochondrial ubiquitin ligase activator of nfkb 1-A
 NP_001187840.1 mitochondrial uncharacterized protein f13e9.13
 ABK96971.1 mitochondrial uncoupling protein 2
 XP_006629571.1 mitochondrial uncoupling protein 3-like
 XP_006003736.1 mitochondrial uncoupling protein 4
 AGM48544.1 mitochondrial voltage-dependent anion channel protein 2
 NP_001007443.1 mitochondrial-processing peptidase subunit alpha
 XP_003975159.1 mitochondrial-processing peptidase subunit alpha-like
 XP_003458723.1 mitochondrial-processing peptidase subunit beta
 XP_003199797.1 mitoferrin-2
 NP_956941.1 mitofusin-1
 NP_001121726.1 mitofusin-2
 XP_006642026.1 mitofusin-2-like
 NP_878308.2 mitogen-activated protein kinase 1
 EPY77189.1 mitogen-activated protein kinase 10 isoform 3
 XP_006627209.1 mitogen-activated protein kinase 10-like isoform X1
 XP_005485386.1 mitogen-activated protein kinase 10-like isoform X2
 NP_001038306.1 mitogen-activated protein kinase 12
 XP_004570840.1 mitogen-activated protein kinase 12-like isoform X1
 XP_001337833.2 mitogen-activated protein kinase 13
 XP_003449202.1 mitogen-activated protein kinase 13-like
 XP_004070460.1 mitogen-activated protein kinase 14A-like isoform 1
 XP_004069211.1 mitogen-activated protein kinase 14A-like isoform 2
 XP_006628487.1 mitogen-activated protein kinase 14A-like isoform X1
 NP_001018581.1 mitogen-activated protein kinase 15
 XP_004063154.1 mitogen-activated protein kinase 1-like
 NP_958915.1 mitogen-activated protein kinase 3
 XP_005167209.1 mitogen-activated protein kinase 4 isoform X1
 NP_001039017.1 mitogen-activated protein kinase 6
 XP_005156059.1 mitogen-activated protein kinase 7 isoform X1
 XP_005156519.1 mitogen-activated protein kinase 8 isoform X1
 XP_005721825.1 mitogen-activated protein kinase 8B-like isoform X1
 XP_006808050.1 mitogen-activated protein kinase 8B-like isoform X2
 XP_005743952.1 mitogen-activated protein kinase 8B-like isoform X3
 XP_001919688.1 mitogen-activated protein kinase 9
 ADI48167.1 mitogen-activated protein kinase kinase 1
 NP_001032468.2 mitogen-activated protein kinase kinase 2a
 XP_002663531.2 mitogen-activated protein kinase kinase kinase 1 isoform X1
 XP_005155564.1 mitogen-activated protein kinase kinase kinase 1 isoform X2
 XP_689424.4 mitogen-activated protein kinase kinase kinase 10
 XP_005930049.1 mitogen-activated protein kinase kinase kinase 10-like
 XP_006802652.1 mitogen-activated protein kinase kinase kinase 11-like
 NP_996977.1 mitogen-activated protein kinase kinase kinase 12
 XP_005167446.1 mitogen-activated protein kinase kinase kinase 12 isoform X1
 XP_005172608.1 mitogen-activated protein kinase kinase kinase 13 isoform X1
 XP_696830.5 mitogen-activated protein kinase kinase kinase 13 isoform X3

XP_002661254.1 mitogen-activated protein kinase kinase kinase 14-like isoform X1
 XP_005162841.1 mitogen-activated protein kinase kinase kinase 15 isoform X2
 XP_005162842.1 mitogen-activated protein kinase kinase kinase 15 isoform X3
 XP_006627101.1 mitogen-activated protein kinase kinase kinase 1-like
 XP_686613.2 mitogen-activated protein kinase kinase kinase 2 isoform X2
 XP_005509180.1 mitogen-activated protein kinase kinase kinase 3-like
 XP_004546810.1 mitogen-activated protein kinase kinase kinase 3-like isoform X1
 XP_003964242.1 mitogen-activated protein kinase kinase kinase 4-like
 NP_001155222.1 mitogen-activated protein kinase kinase kinase 5
 XP_005160384.1 mitogen-activated protein kinase kinase kinase 5 isoform X1
 XP_005925656.1 mitogen-activated protein kinase kinase kinase 5-like
 XP_004550649.1 mitogen-activated protein kinase kinase kinase 5-like isoform X1
 XP_005815671.1 mitogen-activated protein kinase kinase kinase 5-like, partial
 NP_001018586.1 mitogen-activated protein kinase kinase kinase 7
 XP_003971410.1 mitogen-activated protein kinase kinase kinase 7-like
 XP_006626218.1 mitogen-activated protein kinase kinase kinase 7-like isoform X1
 XP_006626219.1 mitogen-activated protein kinase kinase kinase 7-like isoform X2
 NP_001038725.1 mitogen-activated protein kinase kinase kinase 2
 XP_005161478.1 mitogen-activated protein kinase kinase kinase 2 isoform X1
 XP_005172255.1 mitogen-activated protein kinase kinase kinase 2 isoform X2
 NP_001035448.1 mitogen-activated protein kinase kinase kinase 2-like
 XP_001921635.2 mitogen-activated protein kinase kinase kinase 3
 XP_0045534697.1 mitogen-activated protein kinase kinase kinase 3-like isoform X1
 XP_006638597.1 mitogen-activated protein kinase kinase kinase 3-like isoform X2
 XP_005013459.1 mitogen-activated protein kinase kinase kinase 4 isoform X1
 XP_006712929.1 mitogen-activated protein kinase kinase kinase 4 isoform X31
 XP_003224326.1 mitogen-activated protein kinase kinase kinase 4 isoform X4
 XP_005812622.1 mitogen-activated protein kinase kinase kinase 4-like isoform X2
 XP_006805066.1 mitogen-activated protein kinase kinase kinase 4-like, partial
 NP_956207.1 mitogen-activated protein kinase kinase kinase 5
 XP_005996027.1 mitogen-activated protein kinase kinase kinase 5 isoform X1
 XP_006805284.1 mitogen-activated protein kinase kinase kinase 5-like
 XP_005173490.1 mitogen-activated protein kinase kinase kinase 5-like, partial
 XP_690016.3 mitogen-activated protein kinase kinase kinase MLK4 isoform X2
 XP_687660.2 mitogen-activated protein kinase kinase kinase MLT
 XP_006636651.1 mitogen-activated protein kinase kinase kinase MLT-like
 XP_004790977.1 mitogen-activated protein kinase kinase kinase MLT-like isoform X1
 NP_001188229.1 mitogen-activated protein kinase scaffold protein 1
 XP_005143979.1 mitogen-activated protein kinase-binding protein 1
 XP_006008531.1 mitogen-activated protein kinase-binding protein 1-like
 XP_003200365.2 mitogen-activated protein kinase-binding protein 1-like, partial
 XP_004080489.1 mitotic checkpoint protein BUB3-like
 XP_695384.3 mitotic checkpoint serine/threonine-protein kinase BUB1 beta
 XP_005160974.1 mitotic checkpoint serine/threonine-protein kinase BUB1 beta isoform X3
 XP_002665685.2 mitotic checkpoint serine/threonine-protein kinase BUB1 isoform X1
 XP_005160397.1 mitotic checkpoint serine/threonine-protein kinase BUB1 isoform X2
 XP_005160398.1 mitotic checkpoint serine/threonine-protein kinase BUB1 isoform X3
 XP_005813176.1 mitotic checkpoint serine/threonine-protein kinase BUB1-like
 NP_957206.2 mitotic spindle assembly checkpoint protein MAD1
 NP_001187908.1 mitotic spindle assembly checkpoint protein mad2a
 NP_001188245.1 mitotic spindle assembly checkpoint protein mad2b
 NP_001003568.1 mitotic-spindle organizing protein 2
 NP_001133765.1 Mixed lineage kinase domain-like protein
 AAH94996.1 Mix-type homeobox gene 2
 NP_001134172.1 MKI67 FHA domain-interacting nucleolar phosphoprotein-like
 BAD90157.1 mKIAA4147 protein
 XP_001333839.2 MKL/myocardin-like protein 2-like isoform X1
 XP_005156240.1 MKL/myocardin-like protein 2-like isoform X2
 AA154478.1 Mknk1 protein
 NP_001188060.1 mll1/ml complex subunit c17orf49-like protein
 AA127567.1 Mll5 protein
 XP_006634431.1 MLN64 N-terminal domain homolog
 XP_001338503.3 MLX-interacting protein
 XP_003961580.1 MMS19 nucleotide excision repair protein homolog
 E7FBU4.1 MMS19_DANRE RecName: Full=MMS19 nucleotide excision repair protein homolog; AltName: Full=MMS19-like protein
 AEZ68582.1 MMS19-like protein
 XP_005078386.1 MOB kinase activator 1A
 XP_006188773.1 MOB kinase activator 1B
 XP_001339864.2 MOB kinase activator 2
 XP_005170739.1 MOB kinase activator 2a isoform X2
 XP_005173750.1 MOB kinase activator 2b isoform X1
 XP_003447198.1 MOB kinase activator 2-like isoform X1
 XP_006789654.1 MOB kinase activator 2-like isoform X2
 XP_005236075.1 MOB kinase activator 3B
 XP_006634839.1 MOB kinase activator 3C-like
 XP_003439862.1 MOB kinase activator 3C-like isoform X1
 XP_002707997.1 MOB1, Mps One Binder kinase activator-like 2B
 XP_003764127.1 MOB-like protein phocein

NP_001004296.1 moesin
 XP_004076598.1 moesin-like
 XP_003775218.1 moesin-like, partial
 NP_001099130.1 molybdenum cofactor biosynthesis protein 1
 XP_006626400.1 molybdenum cofactor biosynthesis protein 1-like
 XP_004539951.1 molybdenum cofactor biosynthesis protein 1-like isoform X1
 XP_005477562.1 molybdenum cofactor biosynthesis protein 1-like isoform X3
 NP_001014388.2 molybdenum cofactor sulfurase
 WP_021362308.1 molybdopterin dinucleotide binding domain protein, partial
 XP_001338032.3 molybdopterin synthase sulfur carrier subunit-like isoform X1
 XP_683654.2 monoacylglycerol lipase ABHD12
 XP_001339480.1 monoacylglycerol lipase abhd6-B
 XP_006631011.1 monoacylglycerol lipase ABHD6-like
 NP_001008626.2 monoacylglycerol O-acyltransferase 3b
 BAH02786.1 monoamine oxidase
 NP_001073497.1 monocarboxylate transporter 10
 NP_001139286.1 monocarboxylate transporter 12-B
 XP_006628424.1 monocarboxylate transporter 1-like
 EPQ15669.1 Monocarboxylate transporter 2
 XP_006630712.1 monocarboxylate transporter 2-like
 XP_005733145.1 monocarboxylate transporter 2-like isoform X1
 XP_686130.1 monocarboxylate transporter 3-like
 XP_005169526.1 monocarboxylate transporter 4 isoform X1
 XP_004070233.1 monocarboxylate transporter 4-like
 CBN81729.1 Monocarboxylate transporter 6
 XP_001919658.1 monocarboxylate transporter 6-like
 XP_690266.2 monocarboxylate transporter 7-like isoform X2
 XP_003970295.1 monocarboxylate transporter 8-like
 NP_001167079.1 Monocarboxylate transporter 9
 NP_001167529.1 monocyte to macrophage differentiation factor 2
 XP_004568375.1 monocyte to macrophage differentiation factor 2-like
 NP_001187709.1 monocyte to macrophage differentiation protein
 AAT11171.1 monocytic leukemia zinc finger protein
 NP_001229925.1 monofunctional C1-tetrahydrofolate synthase, mitochondrial
 XP_005390643.1 monofunctional C1-tetrahydrofolate synthase, mitochondrial-like
 XP_005454697.1 monofunctional C1-tetrahydrofolate synthase, mitochondrial-like isoform X2
 NP_956591.1 monoglyceride lipase
 CAQ15067.1 monoxygenase, DBH-like 1
 XP_005160648.1 monoxygenase, DBH-like 1 isoform X1
 XP_005160650.1 monoxygenase, DBH-like 1 isoform X3
 NP_001003994.1 MORC family CW-type zinc finger 2
 NP_001082835.1 MORC family CW-type zinc finger protein 3
 XP_005167759.1 MORC family CW-type zinc finger protein 3 isoform X1
 XP_005799421.1 MORC family CW-type zinc finger protein 3-like
 NP_001248355.1 MORN repeat-containing protein 2
 XP_005989051.1 MORN repeat-containing protein 3 isoform X1
 XP_006640419.1 MORN repeat-containing protein 3-like
 NP_001017559.1 MORN repeat-containing protein 4
 XP_006788840.1 MORN repeat-containing protein 5-like isoform X1
 NP_001002604.2 mortality factor 4-like protein 1
 XP_005160022.1 mothers against decapentaplegic homolog 1 isoform X1
 XP_006627303.1 mothers against decapentaplegic homolog 2-like isoform X2
 XP_005159108.1 mothers against decapentaplegic homolog 3 isoform X1
 XP_005052111.1 mothers against decapentaplegic homolog 3 isoform X2
 XP_006628801.1 mothers against decapentaplegic homolog 3-like isoform X2
 NP_001116172.1 mothers against decapentaplegic homolog 4
 XP_003455301.2 mothers against decapentaplegic homolog 4-like
 XP_003446107.1 mothers against decapentaplegic homolog 4-like isoform 1
 XP_005173221.1 mothers against decapentaplegic homolog 5 isoform X1
 NP_001038516.1 mothers against decapentaplegic homolog 6-like
 NP_778257.2 mothers against decapentaplegic homolog 7
 XP_005720431.1 mothers against decapentaplegic homolog 7-like isoform X1
 XP_006628243.1 mothers against decapentaplegic homolog 9-like isoform X2
 XP_006628244.1 mothers against decapentaplegic homolog 9-like isoform X3
 ACO51179.1 motile sperm domain containing 2
 NP_998534.1 motile sperm domain-containing protein 1
 NP_001007294.1 motile sperm domain-containing protein 2
 AAI24116.1 Moxd1 protein
 NP_001003618.1 M-phase phosphoprotein 6
 XP_004573078.1 M-phase phosphoprotein 8-like isoform X2
 XP_006640441.1 M-phase phosphoprotein 9-like
 XP_004566971.1 M-phase phosphoprotein 9-like isoform X2
 NP_001070033.1 MPN domain-containing protein
 AAI34140.1 Mpp2a protein
 Q8JHF4.2 MPP5A_DANRE RecName: Full=MAGUK p55 subfamily member 5-A; AltName: Full=MAGUK family factor; AltName: Full=Nagie oko protein
 XP_001921065.4 M-protein, striated muscle isoform X1
 XP_005169111.1 M-protein, striated muscle isoform X2
 XP_002663066.3 M-protein, striated muscle isoformX1

XP_005449022.1	M-protein, striated muscle-like isoform X1
ADO28139.1	mps one binder kinase activator-like 1b
ADO28391.1	mps one binder kinase activator-like 2a
AAH55143.1	Mpv17 transgene, murine homolog, glomerulosclerosis
NP_001188186.1	mpv17-like protein
XP_691639.1	mpv17-like protein-like
XP_691653.1	mpv17-like protein-like isoform X2
NP_001038465.1	mRNA cap guanine-N7 methyltransferase
NP_001017657.1	mRNA turnover protein 4 homolog
NP_998032.1	mRNA-capping enzyme
XP_005299764.1	mRNA-capping enzyme isoform X1
NP_878313.2	mRNA-decapping enzyme 1A
XP_003963070.1	mRNA-decapping enzyme 1A-like
NP_956446.1	mRNA-decapping enzyme 2
AAI52222.1	Msi2b protein
XP_003201252.2	msx2-interacting protein
XP_005469654.1	msx2-interacting protein-like
Q03357.2	MSXA_DANRE RecName: Full=Homeobox protein MSH-A
Q01704.1	MSXD_DANRE RecName: Full=Homeobox protein MSH-D
BAI65861.1	MT1 melatonin receptor G1.4 type1
BAI65862.1	MT1 melatonin receptor G1.7
BAI65864.1	MT2 melatonin receptor G6.2
NP_001002615.1	mTERF domain-containing protein 1, mitochondrial precursor
XP_005920483.1	mTERF domain-containing protein 2-like
XP_005169993.1	mTERF domain-containing protein 3, mitochondrial isoform X1
FIRCE7.1	MTFR1_DANRE RecName: Full=Mitochondrial fission regulator 1; Flags: Precursor
A0JMK5.2	MTMR2_DANRE RecName: Full=Myotubularin-related protein 2
Q6TEL0.1	MTMR8_DANRE RecName: Full=Myotubularin-related protein 8; AltName: Full=Myotubularin-related protein 6
A0JMF6.1	MTMRA_DANRE RecName: Full=Myotubularin-related protein 10
NP_001038391.1	MTSS1-like protein
NP_001116724.1	MTSS1-like protein-like
XP_005166538.1	MTSS1-like protein-like isoform X3
XP_005166540.1	MTSS1-like protein-like isoform X5
BAO48192.1	mu opioid receptor
AFP97549.1	mucin 18
AFP97546.1	mucin 2-like protein, partial
XP_005870611.1	mucin-1 isoform X2
XP_689188.4	mucin-12
XP_005157766.1	mucin-12-like isoform X1
XP_005157597.1	mucin-17 isoform X1
XP_694345.6	mucin-17 isoform X2
XP_005158666.1	mucin-17-like
XP_005183490.1	mucin-19-like
XP_002667130.3	mucin-19-like, partial
XP_003200649.2	mucin-1-like
XP_006937730.1	mucin-2
XP_001919776.4	mucin-2, partial
XP_002734177.1	mucin-21-like
XP_006012358.1	mucin-22-like
XP_005169116.1	mucin-2-like
XP_002662647.3	mucin-2-like isoform X1
XP_005163037.1	mucin-2-like isoform X2
XP_005162829.1	mucin-2-like, partial
XP_005457138.1	mucin-4-like
EMP29362.1	Mucin-5AC
XP_006046196.1	mucin-5AC-like
XP_001919512.4	mucin-5B-like
XP_006642803.1	mucin-5B-like, partial
XP_005163210.1	mucin-6-like
XP_001336199.1	mucolipin-1
XP_005934517.1	mucolipin-1-like
XP_006634885.1	mucolipin-2-like
XP_006634884.1	mucolipin-3-like
XP_003197863.2	mucolipin-3-like isoform X1
XP_001341182.5	mucolipin-3-like, partial
NP_694508.1	mucosa associated lymphoid tissue lymphoma translocation gene 1a
XP_005161758.1	mucosa associated lymphoid tissue lymphoma translocation gene 1a isoform X1
XP_006790102.1	mucosa-associated lymphoid tissue lymphoma translocation protein 1-like
NP_001188187.1	mu-crystallin homolog
ADO27817.1	mu-crystallin-like protein
NP_001007780.1	muellerian-inhibiting factor precursor
CBN80846.1	Mullerian inhibiting substance type II receptor
NP_001098366.1	Mullerian inhibiting substance type II receptor precursor
NP_001073648.1	multidrug and toxin extrusion protein 1
XP_005157715.1	multidrug and toxin extrusion protein 1-like isoform X1
XP_682817.3	multidrug and toxin extrusion protein 1-like isoform X2
NP_001118127.1	multidrug resistance associated protein 2
XP_005158026.1	multidrug resistance protein 1 isoform X2

XP_006019003.1 multidrug resistance protein 1-like
 XP_001341895.3 multidrug resistance-associated protein 1 isoform 1
 XP_006637376.1 multidrug resistance-associated protein 1-like
 XP_002661250.3 multidrug resistance-associated protein 1-like isoform X1
 XP_004573179.1 multidrug resistance-associated protein 1-like isoform X2
 XP_001335921.5 multidrug resistance-associated protein 1-like, partial
 XP_006639066.1 multidrug resistance-associated protein 4-like
 XP_005723612.1 multidrug resistance-associated protein 4-like isoform X3
 NP_001182542.1 multidrug resistance-associated protein 5
 XP_003970665.1 multidrug resistance-associated protein 5-like
 XP_004545859.1 multidrug resistance-associated protein 5-like isoform X1
 XP_006131403.1 multidrug resistance-associated protein 7
 XP_005155817.1 multidrug resistance-associated protein 7-like
 XP_696904.3 multidrug resistance-associated protein 9-like
 AFU54408.1 multidrug resistance-associated protein member 4
 XP_005156781.1 multimerin 2a isoform X1
 XP_694616.4 multimerin-2
 XP_006275657.1 multiple C2 and transmembrane domain-containing protein 1
 XP_002663716.2 multiple C2 and transmembrane domain-containing protein 1-like
 XP_005148828.1 multiple C2 and transmembrane domain-containing protein 2 isoform X1
 XP_690870.6 multiple C2 and transmembrane domain-containing protein 2 isoform X3
 XP_003969469.1 multiple C2 and transmembrane domain-containing protein 2-like
 XP_004539837.1 multiple C2 and transmembrane domain-containing protein 2-like isoform X1
 XP_005515619.1 multiple C2 and transmembrane domain-containing protein 2-like, partial
 XP_005212738.1 multiple coagulation factor deficiency protein 2 isoform X3
 XP_001922524.2 multiple EGF-like-domains 10
 XP_001921940.2 multiple EGF-like-domains 11
 XP_693497.6 multiple EGF-like-domains 6a isoform X2
 XP_005158088.1 multiple EGF-like-domains 8
 EMP34760.1 Multiple epidermal growth factor-like domains protein 10
 XP_006626993.1 multiple epidermal growth factor-like domains protein 10-like
 XP_006264292.1 multiple epidermal growth factor-like domains protein 11-like
 XP_005157618.1 multiple epidermal growth factor-like domains protein 6-like
 XP_004548629.1 multiple epidermal growth factor-like domains protein 6-like isoform X1
 XP_005943687.1 multiple epidermal growth factor-like domains protein 6-like isoform X3
 XP_685976.6 multiple epidermal growth factor-like domains protein 6-like, partial
 XP_003966386.1 multiple epidermal growth factor-like domains protein 8-like
 XP_005684467.1 multiple epidermal growth factor-like domains protein 9
 XP_005814611.1 multiple epidermal growth factor-like domains protein 9-like, partial
 NP_001071025.1 multiple inositol polyphosphate histidine phosphatase, 1a
 AAL08417.1 multiple inositol polyphosphate phosphatase 1
 XP_689404.4 multiple PDZ domain protein
 XP_002663055.2 multiple PDZ domain protein-like
 WP_002901805.1 MULTISPECIES: hypothetical protein, partial
 NP_956778.1 multivesicular body subunit 12A
 XP_005990594.1 muscarinic acetylcholine receptor M2
 XP_700381.4 muscarinic acetylcholine receptor M3
 XP_001332293.3 muscarinic acetylcholine receptor M3-like
 XP_001922442.1 muscarinic acetylcholine receptor M4 isoform X1
 AF011027.1 muscle carnitine palmitoyltransferase 1B
 XP_685054.3 muscle M-line assembly protein unc-89-like isoform X2
 AAH71302.1 Muscle segment homeobox C
 XP_004075061.1 muscle, skeletal receptor tyrosine protein kinase-like
 NP_001004503.1 muscle, skeletal receptor tyrosine-protein kinase isoform 1 precursor
 NP_001070102.1 muscleblind-like protein 1 isoform 1
 NP_001093520.2 muscleblind-like protein 1 isoform 2
 XP_005051508.1 muscleblind-like protein 1 isoform X9
 XP_004075410.1 muscleblind-like protein 1-like isoform 4
 XP_005948605.1 muscleblind-like protein 1-like isoform X11
 XP_004542658.1 muscleblind-like protein 1-like isoform X16
 XP_006637493.1 muscleblind-like protein 1-like isoform X7
 XP_005173272.1 muscleblind-like protein 3 isoform X3
 EMP33915.1 Muscle-related coiled-coil protein
 NP_001008579.1 muscle-related coiled-coil protein b
 NP_001071077.1 muscle-restricted dual specificity phosphatase
 NP_571768.2 muscle-specific beta 1 integrin binding protein
 XP_001341623.3 muscular LMNA-interacting protein-like
 XP_684279.3 musclin-like
 NP_997859.1 muskelin
 AGS48175.1 mutated in colorectal cancer isoform 1
 AGJ50623.1 mutated in colorectal cancers
 XP_003962695.1 mutS protein homolog 4-like
 XP_005157849.1 mutS protein homolog 5
 XP_005472778.1 mutS protein homolog 5 isoform X4
 XP_003966181.1 mutS protein homolog 5-like
 Q9DGM7.2 MVP_ICTPU RecName: Full=Major vault protein; Short=MVP
 AGG54064.1 Mx protein
 AFC76409.1 Mx2
 XP_001339732.2 myb/SANT-like DNA-binding domain-containing protein 2-like

NP_001002042.1	myb-binding protein 1A-like protein
XP_005988682.1	myb-binding protein 1A-like protein-like
AAI35017.1	Mybbp1a protein
XP_001920843.2	myb-like protein X-like
XP_686862.2	myb-related protein A isoform X2
NP_001003867.2	myb-related protein B
XP_005158215.1	myb-related transcription factor, partner of profilin-like isoform X2
XP_001921434.4	myc box-dependent-interacting protein 1-like
NP_001076386.1	myc target protein 1 homolog
XP_001918976.1	myc-associated zinc finger protein-like
XP_004556512.1	myc-associated zinc finger protein-like isoform X2
XP_006635575.1	MYCBP-associated protein-like
NP_001120893.1	MYCBP-associated, testis expressed 1
AAH59793.1	Mycn protein, partial
XP_002666688.1	mycophenolic acid acyl-glucuronide esterase, mitochondrial
XP_005165697.1	mycophenolic acid acyl-glucuronide esterase, mitochondrial isoform X2
XP_004562224.1	myelin and lymphocyte protein-like
XP_004569290.1	myelin basic protein-like isoform X4
XP_006628763.1	myelin expression factor 2-like
XP_004070032.1	myelin gene regulatory factor-like
NP_001133549.1	Myelin P0 protein precursor
NP_001244269.1	myelin protein zero-like 1 like
NP_997928.1	myelin protein zero-like protein 2 precursor
XP_004567111.1	myelin protein zero-like protein 3-like
XP_003971169.1	myelin proteolipid protein-like isoform 2
XP_005921353.1	myelin proteolipid protein-like isoform X1
XP_005174297.1	myelin regulatory factor isoform X2
XP_005470696.1	myelin regulatory factor-like isoform X3
XP_002667695.3	myelin regulatory factor-like protein-like
XP_685050.4	myelin transcription factor 1
XP_005161993.1	myelin transcription factor 1-like isoform X3
XP_005161995.1	myelin transcription factor 1-like isoform X5
ELK32766.1	Myelin transcription factor 1-like protein
ETE73746.1	Myelin transcription factor 1-like protein, partial
XP_006626462.1	myelin transcription factor 1-like protein-like
XP_005160780.1	myelin transcription factor 1-like, a isoform X2
XP_002665311.3	myelin transcription factor 1-like, partial
XP_005157683.1	myelin-associated glycoprotein isoform X1
ETE60543.1	Myelin-associated glycoprotein, partial
XP_005951083.1	myelin-associated glycoprotein-like
XP_005173466.1	myelin-associated glycoprotein-like isoform X2
NP_571674.1	myeloid cell leukemia sequence 1a
ABD85567.1	myeloid cell leukemia sequence 1b-like
XP_004541632.1	myeloid cell surface antigen CD33-like isoform X1
NP_001187207.1	myeloid differentiation primary response protein MyD88
NP_570985.1	myeloid ecotropic viral integration site 2b
NP_571972.2	myeloid ecotropic viral integration site 4.1a
XP_003450901.1	myeloid leukemia factor 1-like isoform X1
NP_001020687.1	myeloid leukemia factor 2
XP_006802930.1	myeloid leukemia factor 2-like
ACN88688.1	myeloid/lymphoid or mixed-lineage leukemia
AAH85650.1	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10
XP_690393.1	myeloid-associated differentiation marker homolog
XP_005470104.1	myeloid-associated differentiation marker-like
XP_005171708.1	myeloid-associated differentiation marker-like protein 2-like
NP_001187253.1	myeloperoxidase precursor
AAH90762.1	Myt5 protein
AAH45324.1	Myh9 protein
AAH44194.1	Myh4 protein, partial
AAI39869.1	Myh2 protein
XP_005166580.1	myocardial zonula adherens protein isoform X1
XP_683507.5	myocardial zonula adherens protein isoform X2
XP_006635432.1	myocardin-like
XP_005157961.1	myocardin-like isoform X1
NP_001015062.1	myocilin precursor
XP_004567230.1	myocilin-like
AGS58247.1	myocyte-specific enhancer factor 2a
NP_001265785.1	myocyte-specific enhancer factor 2B
XP_004544474.1	myocyte-specific enhancer factor 2C-like isoform X1
XP_005803565.1	myocyte-specific enhancer factor 2C-like isoform X3
XP_005944411.1	myocyte-specific enhancer factor 2D homolog isoform X1
AAS48083.1	MyoD
XP_005679282.1	myoD family inhibitor domain-containing protein-like
NP_957169.2	myoferlin
XP_005156114.1	myoferlin isoform X1
ADP24122.1	myogenin
BAH22136.1	myoglobin
XP_002661044.3	myomegalin

XP_005161018.1	myomegalin isoform X1
XP_005160849.1	myomegalin isoform X2
XP_005160852.1	myomegalin isoform X5
XP_005160853.1	myomegalin isoform X6
XP_005160855.1	myomegalin isoform X8
XP_005920740.1	myomegalin-like
NP_001154812.1	myomesin 1a
XP_005163495.1	myomesin 1a isoform X2
XP_003968140.1	myomesin-1-like
XP_003199488.2	myomesin-2
XP_696883.6	myomesin-2-like
ERE82303.1	myomesin-3
XP_004551077.1	myomesin-3-like
NP_001037814.2	myosin binding protein C, cardiac
NP_001039324.1	myosin binding protein C, fast type a
XP_005164009.1	myosin binding protein C, fast type a isoform X1
NP_001093607.1	myosin binding protein Hb
BAE16584.1	myosin heavy chain
BAE79363.1	myosin heavy chain embryonic type 3
BAF93223.1	myosin heavy chain fast skeletal type 2
XP_002666141.3	myosin heavy chain, fast skeletal muscle
XP_003200959.2	myosin heavy chain, fast skeletal muscle-like
XP_006798382.1	myosin heavy chain, fast skeletal muscle-like, partial
XP_002661431.3	myosin heavy chain, non-muscle isoform X1
XP_005164832.1	myosin heavy chain, non-muscle isoform X2
XP_005801268.1	myosin heavy chain, non-muscle-like
XP_005811235.1	myosin heavy chain, striated muscle-like
XP_004081747.1	myosin light chain 1, skeletal muscle isoform-like
XP_003438135.1	myosin light chain 3-like isoform X1
XP_004772477.1	myosin light chain 4 isoform X1
XP_006629343.1	myosin light chain 6B-like
AAV86953.1	myosin light chain alkali
XP_006639760.1	myosin light chain kinase 2, skeletal/cardiac muscle-like
NP_001103990.1	myosin light chain kinase 2-like
NP_001099057.1	myosin light chain kinase 3
XP_006641442.1	myosin light chain kinase 3-like
XP_005171148.1	myosin light chain kinase 3-like isoform X1
XP_005812931.1	myosin light chain kinase family member 4-like
XP_005745129.1	myosin light chain kinase family member 4-like isoform X1
XP_002662355.2	myosin light chain kinase, smooth muscle
XP_005164113.1	myosin light chain kinase, smooth muscle isoform X2
XP_005798249.1	myosin light chain kinase, smooth muscle-like
ACO14063.1	Myosin light polypeptide 6
XP_003448216.1	myosin light polypeptide 6-like isoform X1
XP_003961609.1	myosin phosphatase Rho-interacting protein-like
XP_004556415.1	myosin phosphatase Rho-interacting protein-like isoform X1
ADO27977.1	myosin regulatory light chain 12b
NP_001188138.1	myosin regulatory light chain 2 skeletal muscle isoform
XP_006625575.1	myosin regulatory light chain 2, atrial isoform-like
XP_005042009.1	myosin regulatory light chain 2, smooth muscle minor isoform-like isoform X1
NP_001187943.1	myosin regulatory light chain 2b cardiac muscle isoform
ELW69612.1	Myosin regulatory light polypeptide 9
XP_005866606.1	myosin regulatory light polypeptide 9-like isoform X1
AFU81219.1	myosin V
AAT92221.1	myosin VIa
XP_005160365.1	myosin VIa isoform X1
AAI63570.1	Myosin VIIa
XP_005662056.1	myosin, essential light chain, adductor muscle-like
AAI63913.1	Myosin, light chain kinase
NP_001187837.1	myosin, light polypeptide 9, regulatory
NP_780469.1	myosin-10
XP_005165776.1	myosin-10 isoform X1
XP_005157989.1	myosin-10 isoform X2
XP_691467.5	myosin-10 isoform X5
XP_005163198.1	myosin-10-like
XP_005934540.1	myosin-10-like isoform X4
XP_003761721.1	myosin-11 isoform 2
XP_005932553.1	myosin-2 heavy chain, non muscle-like isoform X1
XP_004565166.1	myosin-3-like
XP_003934345.1	myosin-4-like
ERE89383.1	myosin-6
ETE60061.1	Myosin-7
XP_005162959.1	myosin-7 isoform X3
XP_005162960.1	myosin-7 isoform X4
ETE66106.1	Myosin-7, partial
XP_002666778.1	myosin-7-like
XP_001923213.1	myosin-7-like isoform 1
XP_005162987.1	myosin-7-like isoform X1
XP_005170701.1	myosin-7-like isoform X2

XP_001920098.4	myosin-9 isoform X1
XP_006637002.1	myosin-9-like
XP_006810138.1	myosin-9-like, partial
NP_001013529.2	myosin-binding protein C, fast-type
XP_003961341.1	myosin-binding protein C, fast-type-like
XP_005748538.1	myosin-binding protein C, fast-type-like isoform X2
XP_005164794.1	myosin-binding protein C, slow-type isoform X1
XP_005164795.1	myosin-binding protein C, slow-type isoform X2
ERE67950.1	myosin-Ic-like isoform 2
CBN81695.1	Myosin-Id
NP_001243600.1	myosin-IIf
NP_001038686.1	myosin-Ig
XP_005170126.1	myosin-Ig isoform X1
NP_991142.1	myosin-IIIfa
XP_006634189.1	myosin-IIIfa-like
XP_004551937.1	myosin-IIIfa-like isoform X4
XP_001920287.4	myosin-IIIfb
XP_685035.4	myosin-IIIfb isoform X2
XP_004081964.1	myosin-IIIfb-like
ERE90468.1	myosin-IXb isoform 2
EMP38954.1	Myosin-Va
NP_001155104.1	myosin-Vb
XP_005158892.1	myosin-VI isoform X1
EMP28603.1	Myosin-VIIa
EMP29503.1	Myosin-X, partial
EMP33088.1	Myosin-XV
ABL89186.1	myospryn
AAS48405.1	myostatin
XP_005172640.1	myotonin-protein kinase-like
NP_001158858.1	myotrophin
NP_001167244.1	myotubularin
NP_001018557.1	myotubularin related protein 1a
XP_005168409.1	myotubularin related protein 7b isoform X1
XP_005168938.1	myotubularin-related protein 10 isoform X1
XP_005158453.1	myotubularin-related protein 11-like
EPY79611.1	myotubularin-related protein 11-like protein
NP_001107085.1	myotubularin-related protein 12
XP_002663045.1	myotubularin-related protein 13
XP_006642674.1	myotubularin-related protein 13-like
XP_003970014.1	myotubularin-related protein 13-like isoform 2
XP_005936546.1	myotubularin-related protein 13-like isoform X1
XP_005467058.1	myotubularin-related protein 13-like isoform X2
XP_004559892.1	myotubularin-related protein 14-like isoform X4
XP_006632803.1	myotubularin-related protein 1-like isoform X1
XP_006640491.1	myotubularin-related protein 3-like
XP_002667032.3	myotubularin-related protein 4
XP_006641055.1	myotubularin-related protein 4-like
XP_005460903.1	myotubularin-related protein 4-like isoform X2
NP_001038623.1	myotubularin-related protein 5
XP_005164648.1	myotubularin-related protein 5 isoform X2
XP_005164649.1	myotubularin-related protein 5 isoform X3
XP_006806593.1	myotubularin-related protein 5-like
XP_003449792.2	myotubularin-related protein 5-like isoform X1
XP_005935408.1	myotubularin-related protein 5-like isoform X3
NP_956085.1	myotubularin-related protein 6
XP_006794761.1	myotubularin-related protein 6-like
XP_005157300.1	myotubularin-related protein 7 isoform X1
NP_956688.1	myotubularin-related protein 8
XP_006632878.1	myotubularin-related protein 8-like
NP_001038535.1	myotubularin-related protein 9
XP_005800280.1	myotubularin-related protein 9-like
XP_004566616.1	myotubularin-related protein 9-like isoform X1
AGI42757.1	myoxvirus resistance protein B
NP_991241.1	myozenin 1
XP_005172427.1	myozenin 2a isoform X2
XP_005727351.1	myozenin-1-like
ADO29186.1	myozenin-2
XP_006781530.1	myozenin-2-like isoform X1
XP_005814845.1	myozenin-2-like, partial
ADO28025.1	n(6)-adenine-specific DNA methyltransferase 1
NP_001188087.1	n(6)-adenine-specific DNA methyltransferase 2
NP_976066.1	N(alpha)-acetyltransferase 15, NatA auxiliary subunit b
XP_003452382.1	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1-like isoform X1
XP_005457177.1	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1-like isoform X3
XP_005796480.1	N(G),N(G)-dimethylarginine dimethylaminohydrolase 2-like
QLLVK9.3	N4BP1_DANRE RecName: Full=NEDD4-binding protein 1; Short=N4BP1
XP_006543065.1	N66 matrix protein-like
NP_996954.1	N6-adenosine-methyltransferase subunit METTL14
NP_997872.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF1

XP_006790782.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF1-like
 XP_005925171.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF2-like
 XP_005947983.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF2-like isoform X1
 XP_685398.3 Na(+)/H(+) exchange regulatory cofactor NHE-RF4
 XP_006642318.1 Na(+)/H(+) exchange regulatory cofactor NHE-RF4-like
 XP_003200324.1 Na(+)/H(+) exchanger beta-like, partial
 EHH27411.1 Na(+)/K(+)/Ca(2+)-exchange protein 1
 NP_001117155.1 Na/K/2Cl co-transporter
 AEX13746.1 Na+/glucose cotransporter
 AAD46576.2 Na+/H+ exchanger NHE-2-like isoform
 NP_571761.1 Na+/K+ -ATPase alpha 1 subunit
 AAG27060.1 Na+/K+ ATPase alpha subunit isoform 8
 BAO02373.1 Na+/K+-ATPase alpha 1a2 subunit
 AFS60173.1 Na+/K+-ATPase alpha-1a subunit
 NP_001077308.1 N-acetylaspartate synthetase
 XP_006790087.1 N-acetylated-alpha-linked acidic dipeptidase-like protein-like

 XP_004851797.1 N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1 isoform X3
 XP_001920875.4 N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1-like
 ETE74028.1 N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2, partial

 ADO27805.1 n-acetyl-d-glucosamine kinase
 NP_001007433.2 N-acetylgalactosamine kinase
 XP_006010145.1 N-acetylgalactosamine-6-sulfatase
 XP_006641278.1 N-acetylgalactosamine-6-sulfatase-like
 XP_006146538.1 N-acetylgalactosaminyltransferase 7
 XP_005160043.1 N-acetylgalactosaminyltransferase 7 isoform X1
 NP_001002057.2 N-acetylglucosamine-1-phosphotransferase subunit gamma precursor
 NP_001038233.1 N-acetylglucosamine-1-phosphotransferase subunits alpha/beta
 XP_005811993.1 N-acetylglucosamine-1-phosphotransferase subunits alpha/beta-like
 NP_001025379.1 N-acetylglucosamine-6-sulfatase precursor
 XP_006633897.1 N-acetylglucosamine-6-sulfatase-like
 XP_006641069.1 N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase-like
 XP_006638338.1 N-acetylglutamate synthase, mitochondrial-like
 NP_001265757.1 N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase
 NP_996934.2 N-acetylneuraminase lyase
 XP_004552774.1 N-acetylneuraminase lyase-like isoform X4
 NP_998676.1 N-acetylserotonin O-methyltransferase-like protein
 NP_956938.1 N-acetyltransferase 10
 NP_001187393.1 n-acetyltransferase 14
 XP_005167184.1 N-acetyltransferase 6-like
 EOB03764.1 N-acetyltransferase 8-like protein, partial
 ABC75592.1 N-acetyltransferase 9
 XP_006791033.1 N-acetyltransferase 9-like isoform X2
 XP_005174247.1 N-acetyltransferase ESCO1-like isoform X2
 XP_002663751.3 NACHT and WD repeat domain-containing protein 1-like
 XP_004569128.1 NACHT, LRR and PYD domains-containing protein 10-like
 XP_005160238.1 NACHT, LRR and PYD domains-containing protein 12
 XP_005166707.1 NACHT, LRR and PYD domains-containing protein 12-like
 XP_004538734.1 NACHT, LRR and PYD domains-containing protein 12-like isoform X1
 XP_005162399.1 NACHT, LRR and PYD domains-containing protein 12-like isoform X2
 XP_002661463.3 NACHT, LRR and PYD domains-containing protein 12-like, partial
 XP_005165261.1 NACHT, LRR and PYD domains-containing protein 3
 XP_001919428.4 NACHT, LRR and PYD domains-containing protein 3 isoform X1
 XP_005157857.1 NACHT, LRR and PYD domains-containing protein 3 isoform X2
 XP_005157858.1 NACHT, LRR and PYD domains-containing protein 3 isoform X3
 XP_005170041.1 NACHT, LRR and PYD domains-containing protein 3 isoform X4
 XP_005170042.1 NACHT, LRR and PYD domains-containing protein 3 isoform X5
 XP_005169721.1 NACHT, LRR and PYD domains-containing protein 3-like
 XP_005752160.1 NACHT, LRR and PYD domains-containing protein 3-like isoform X1
 XP_005169777.1 NACHT, LRR and PYD domains-containing protein 3-like isoform X2
 XP_005169779.1 NACHT, LRR and PYD domains-containing protein 3-like isoform X4
 XP_005174492.1 NACHT, LRR and PYD domains-containing protein 3-like isoform X5
 XP_005168497.1 NACHT, LRR and PYD domains-containing protein 3-like, partial
 XP_005450218.1 N-acylthanolamine-hydrolyzing acid amidase-like
 ACO09935.1 N-acylglucosamine 2-epimerase
 XP_006625461.1 N-acylglucosamine 2-epimerase-like
 ADO28298.1 n-acylneuraminase cytidyltransferase
 NP_001018593.1 N-acylneuraminase-9-phosphatase
 NP_956871.1 N-acylsphingosine amidohydrolase precursor
 XP_005161222.1 NAD kinase domain-containing protein 1 isoform X1
 XP_005161224.1 NAD kinase domain-containing protein 1 isoform X3
 XP_006637858.1 NAD kinase-like
 XP_005938190.1 NAD kinase-like isoform X2
 ABC94613.1 NAD synthetase 1
 NP_999921.1 NAD(P) transhydrogenase, mitochondrial
 XP_003444374.1 NAD(P) transhydrogenase, mitochondrial isoform X1
 XP_006628758.1 NAD(P) transhydrogenase, mitochondrial-like
 XP_004543561.1 NAD(P) transhydrogenase, mitochondrial-like isoform X1

XP_003198105.1 NAD(P)(+)-arginine ADP-ribosyltransferase 2-like
 NP_001187392.1 NAD(P)H dehydrogenase quinone 1
 NP_001005988.1 NAD-dependent ADP-ribosyltransferase sirtuin-4
 NP_001187449.1 NAD-dependent deacetylase sirtuin-5
 NP_001003627.2 NAD-dependent malic enzyme, mitochondrial
 XP_006627365.1 NAD-dependent malic enzyme, mitochondrial-like
 XP_001334440.4 NAD-dependent protein deacetylase sirtuin-1 isoform X1
 XP_005721210.1 NAD-dependent protein deacetylase sirtuin-6-like
 XP_001336438.3 NAD-dependent protein deacetylase sirtuin-7 isoform X1
 XP_004539069.1 NAD-dependent protein deacetylase sirtuin-7-like
 XP_004079321.1 NAD-dependent protein deacetylase sirtuin-5, mitochondrial-like
 NP_001188222.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 11
 NP_001187991.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 13
 AAH71334.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10
 NP_001028275.1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12
 NP_001188168.1 NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 10
 NP_001188111.1 NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 4
 NP_001187545.1 NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 6
 NP_001268977.1 NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria-like
 NP_001187754.1 NADH dehydrogenase (ubiquinone) 1 subunit c2
 NP_001003418.1 NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex 1-like
 XP_006635967.1 NADH dehydrogenase (ubiquinone) complex I, assembly factor 6-like
 XP_003456478.2 NADH dehydrogenase (ubiquinone) complex I, assembly factor 6-like isoform X1
 XP_002714016.1 NADH dehydrogenase (ubiquinone) Fe-S protein 4
 NP_001186841.1 NADH dehydrogenase (ubiquinone) Fe-S protein 7, (NADH-coenzyme Q reductase)
 ADO28292.1 NADH dehydrogenase 1 alpha subcomplex subunit 13
 ACI67436.1 NADH dehydrogenase 1 alpha subcomplex subunit 2
 ADO28168.1 NADH dehydrogenase 1 alpha subcomplex subunit 5
 ADO28359.1 NADH dehydrogenase 1 alpha subcomplex subunit 6
 ACI66493.1 NADH dehydrogenase 1 beta subcomplex subunit 11, mitochondrial precursor
 ACO10172.1 NADH dehydrogenase flavoprotein 1, mitochondrial precursor
 ACI67693.1 NADH dehydrogenase flavoprotein 3, mitochondrial precursor
 NP_955872.1 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 10, mitochondrial
 XP_006806510.1 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 10, mitochondrial-like
 XP_004573794.1 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 12-like
 XP_006804877.1 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 3-like
 XP_003198131.2 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 4-like
 XP_005802370.1 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 7-like
 XP_003444379.1 NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 8-like
 XP_004066363.1 NADH dehydrogenase ubiquinone 1 beta subcomplex subunit 7-like
 XP_005953318.1 NADH dehydrogenase ubiquinone 1 beta subcomplex subunit 9-like
 XP_005804776.1 NADH dehydrogenase ubiquinone 1 beta subcomplex subunit 9-like isoform X1
 NP_001070231.1 NADH dehydrogenase ubiquinone complex I, assembly factor 7 precursor
 XP_004568510.1 NADH dehydrogenase ubiquinone complex I, assembly factor 7-like
 NP_001003747.1 NADH dehydrogenase ubiquinone flavoprotein 1, mitochondrial
 XP_004549159.1 NADH dehydrogenase ubiquinone flavoprotein 1, mitochondrial-like isoform X1
 XP_003450393.1 NADH dehydrogenase ubiquinone iron-sulfur protein 2, mitochondrial-like
 XP_006642766.1 NADH dehydrogenase ubiquinone iron-sulfur protein 3, mitochondrial-like
 NP_001018512.1 NADH dehydrogenase ubiquinone iron-sulfur protein 4, mitochondrial
 XP_006230791.1 NADH dehydrogenase ubiquinone iron-sulfur protein 8, mitochondrial isoform X1
 ACM08211.1 NADH-cytochrome b5 reductase 2
 ACI33240.1 NADH-cytochrome b5 reductase 3
 NP_001007766.1 NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial
 XP_004066663.1 NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial-like
 CAM60094.1 nadH1.1
 XP_005995203.1 NADP-dependent malic enzyme, mitochondrial isoform X1
 XP_003453008.1 NADP-dependent malic enzyme, mitochondrial-like
 XP_005174595.1 NADP-dependent malic enzyme-like
 AAH49440.1 NADPH dependent diflavin oxidoreductase 1
 XP_006626255.1 NADPH oxidase 3-like
 XP_001921894.1 NADPH oxidase 5
 XP_006628814.1 NADPH oxidase 5-like
 XP_004571564.1 NADPH oxidase 5-like isoform X1
 NP_001071052.1 NADPH oxidase organizer 1a
 XP_004086850.1 NADPH:adrenodoxin oxidoreductase, mitochondrial-like
 XP_003199702.2 NADPH:adrenodoxin oxidoreductase, mitochondrial-like isoform X1
 ACN10454.1 NADPH--cytochrome P450 reductase
 NP_001133591.1 NADPH-dependent diflavin oxidoreductase 1
 AAH50171.1 Nae1 protein
 ABB84251.1 Na-K-2Cl cotransporter
 AAR97733.1 Na-K-Cl cotransporter
 XP_006629684.1 N-alpha-acetyltransferase 15, NatA auxiliary subunit-like
 XP_004561105.1 N-alpha-acetyltransferase 20-like isoform X1
 XP_005672790.1 N-alpha-acetyltransferase 20-like isoform X3
 XP_005172657.1 N-alpha-acetyltransferase 25, NatB auxiliary subunit isoform X3
 NP_001129721.2 N-alpha-acetyltransferase 30, NatC catalytic subunit
 NP_955844.1 N-alpha-acetyltransferase 35, NatC auxiliary subunit
 XP_006626627.1 N-alpha-acetyltransferase 35, NatC auxiliary subunit-like
 XP_005172339.1 N-alpha-acetyltransferase 40 isoform X1

XP_005232870.1	N-alpha-acetyltransferase 40-like
XP_006637222.1	N-alpha-acetyltransferase 60-like
XP_005174204.1	nance-Horan syndrome protein isoform X2
XP_688091.4	nance-Horan syndrome protein isoform X3
XP_005799836.1	nance-Horan syndrome protein-like
XP_005923067.1	nance-Horan syndrome protein-like isoform X1
AEG74407.1	nanog, partial
AFQ60639.1	Nano-lantern_cAMP-0.4
BAJ76659.1	nanos
ADM18964.2	NaPi-IIb cotransporter protein
NP_001187728.1	N-arachidonyl glycine receptor
ACN58693.1	Nardilysin precursor
XP_004673043.1	nardilysin, partial
XP_003442865.1	nardilysin-like
A2RRV9.1	NARFL_DANRE RecName: Full=Cytosolic Fe-S cluster assembly factor narfl; AltName: Full=Nuclear prelamins A recognition factor-like protein
NP_942095.2	natriuretic peptide precursor A precursor
ABA00142.1	natriuretic peptide receptor type B
BAA33561.1	natriuretic peptide receptor-A
ACI69483.1	NatTECTIN precursor
XP_005947699.1	natterin-3-like isoform X1
ADO27823.1	natterin-like protein
AAU29515.1	natural killer cell enhancing factor
XP_005163640.1	natural killer cell receptor 2B4-like
NP_001165986.1	natural resistance associated macrophage protein alpha
NP_001187029.1	natural resistance-associated macrophage protein large transcript
AAK55439.1	Nav1.1Lb
AAO60420.1	Nav1.4b
AAO23570.1	Nav1.5Lb
CAM60098.1	ncam1
CAM60059.1	ncam3
NP_001187013.1	NCC receptor protein 1
XP_002812649.2	N-chimaerin
NP_957291.1	NCK adaptor protein 2a
EMP26350.1	Nck-associated protein 1
XP_005167978.1	nck-associated protein 1 isoform X1
NP_001107884.1	nck-associated protein 1-like
XP_003907746.1	nck-associated protein 1-like, partial
XP_006629358.1	nck-associated protein 5-like
XP_006631217.1	NCK-interacting protein with SH3 domain-like
XP_006783437.1	NCK-interacting protein with SH3 domain-like isoform X1
NP_956091.1	ndrg family member 3b
NP_001013589.1	nebulette
XP_005163415.1	nebulette isoform X1
XP_002663414.3	nebulin isoform X1
XP_004569050.1	nebulin-like
XP_005471328.1	nebulin-related-anchoring protein
XP_005928233.1	nebulin-related-anchoring protein-like isoform X1
NP_001269019.1	neccin-like 2
ERE68935.1	nedd4 binding protein 3
XP_004552653.1	NEDD4 family-interacting protein 2-like
NP_956081.1	NEDD4-binding protein 1
XP_003976419.1	NEDD4-binding protein 1-like
AHB62681.1	Nedd4-binding protein 1-like protein
NP_001073436.1	NEDD4-binding protein 2
XP_006781708.1	NEDD4-binding protein 3-like isoform X1
CBN81769.1	NEDD4-like E3 ubiquitin-protein ligase WWP1
XP_006001857.1	NEDD4-like E3 ubiquitin-protein ligase WWP1 isoform X1
XP_006806440.1	NEDD4-like E3 ubiquitin-protein ligase WWP1-like isoform X2
NP_001092918.1	NEDD4-like E3 ubiquitin-protein ligase WWP2
ACZ06245.1	NEDD8
NP_001167273.1	NEDD8 ultimate buster 1
XP_005461915.1	NEDD8 ultimate buster 1-like
XP_007105980.1	NEDD8-activating enzyme E1 catalytic subunit isoform X3
XP_004068895.1	NEDD8-activating enzyme E1 catalytic subunit-like isoform 1
XP_005731757.1	NEDD8-activating enzyme E1 catalytic subunit-like isoform X2
NP_001133355.1	NEDD8-activating enzyme E1 regulatory subunit
XP_003445754.1	NEDD8-activating enzyme E1 regulatory subunit-like isoformX1
EMP28661.1	NEDD8-conjugating enzyme Ubc12
NP_998479.1	NEDD8-conjugating enzyme UBE2F
ACQ58682.1	NEFA-interacting nuclear protein NIP30
XP_005159956.1	nef-associated protein 1 isoform X1
XP_006805576.1	negative elongation factor A-like isoform X2
XP_006640635.1	negative elongation factor B-like
NP_957484.1	negative elongation factor complex member C/D
EPQ07720.1	Negative elongation factor D
XP_005739564.1	negative elongation factor D-like isoform X2
ACD99686.1	N-EGFP/biogenesis of lysosome-related organelles complex-1 subunit 1 fusion protein
ACD99689.1	N-EGFP/eukaryotic translation initiation factor 2 subunit 1 alpha fusion protein

NP_001188058.1	neighbor of cox4
NP_001157539.1	NEL-like 2b precursor
CAM606069.1	neol
AAI24156.1	Neo1 protein
XP_005521773.1	neogenin
NP_775325.1	neogenin precursor
XP_002667481.2	neogenin, partial
XP_006629128.1	neogenin-like
XP_002660707.3	neoverrucotoxin subunit beta
XP_006641391.1	neoverrucotoxin subunit beta-like
XP_005165063.1	neoverrucotoxin subunit beta-like isoform X2
XP_005157829.1	nephrin isoform X1
XP_005472553.1	nephrin isoform X2
NP_001035777.1	nephrin precursor
NP_001070638.1	nephrocystin-1
NP_001189370.1	nephrocystin-3
XP_004546962.1	nephrocystin-3-like
XP_005912408.1	nephrocystin-3-like isoform X1
XP_005167009.1	nephrocystin-4 isoform X2
XP_420498.3	nephronectin
XP_003830020.1	nephronectin isoform 1
XP_005160156.1	nephronectin isoform X3
XP_003972489.1	nephronectin-like
XP_004075404.1	neprilysin-like
XP_003454836.1	neprilysin-like isoform X1
XP_005172167.1	nerve growth factor isoform X1
NP_001185589.1	nerve growth factor receptor b precursor
XP_698040.6	nesprin-1
XP_001920330.2	nesprin-1 isoform X1
XP_005158667.1	nesprin-1 isoform X2
XP_006011345.1	nesprin-1-like
XP_005914642.1	nesprin-1-like isoform X1
XP_005914646.1	nesprin-1-like isoform X5
XP_005160569.1	nesprin-2 isoform X1
XP_005157086.1	nesprin-2 isoform X2
XP_687774.6	nesprin-2 isoform X3
XP_005931614.1	nesprin-2-like
XP_002723676.1	nesprin-3
XP_001919922.1	nestin
AAH50490.1	N-ethylmaleimide-sensitive factor
NP_001074171.1	N-ethylmaleimide-sensitive factor attachment protein, beta
NP_001002469.1	N-ethylmaleimide-sensitive factor attachment protein, gamma
XP_005156264.1	N-ethylmaleimide-sensitive factor b isoform X1
NP_001030157.1	netrin receptor DCC
XP_005586729.1	netrin receptor DCC isoform X8
XP_004075216.1	netrin receptor DCC-like
NP_001107937.1	netrin receptor UNC5A
XP_004073562.1	netrin receptor UNC5A-like
XP_006781689.1	netrin receptor UNC5A-like isoform X1
NP_001104619.1	netrin receptor UNC5B precursor
NP_001093454.1	netrin receptor UNC5C precursor
XP_006627373.1	netrin receptor UNC5C-like
XP_005470369.1	netrin receptor UNC5C-like isoform X1
XP_005941623.1	netrin receptor UNC5C-like isoform X2
XP_007053524.1	netrin receptor UNC5D
XP_003200906.2	netrin receptor UNC5D-like
XP_005878914.1	netrin-1
XP_004071870.1	netrin-1-like
XP_001920036.3	netrin-1-like isoform X1
XP_005934490.1	netrin-1-like isoform X2
NP_001032492.1	netrin-3
XP_004080386.1	netrin-3-like
XP_688995.3	netrin-4-like
CBN81793.1	Netrin-G1
XP_004080991.1	netrin-G1-like
XP_004677928.1	netrin-G2
XP_005798729.1	netrin-G2-like
XP_005720300.1	netrin-G2-like isoform X1
ABO30984.1	Neu3.1
NP_001032793.2	neudesin precursor
NP_001096144.1	neuferricin precursor
XP_005926897.1	neuferricin-like isoform X2
NP_001038718.1	neugrin
XP_689353.6	neurabin-1
XP_005168441.1	neurabin-1 isoform X2
XP_003969447.1	neurabin-1-like
XP_005723539.1	neurabin-1-like isoform X2
XP_006788535.1	neurabin-1-like isoform X3
XP_006006095.1	neurabin-1-like isoform X4

XP_686514.3	neurabin-2-like
AAI62464.1	Neural adhesion molecule L1.2
ADV17405.1	neural cell adhesion molecule 1 isoform 2
XP_005161199.1	neural cell adhesion molecule 1 isoform X8
XP_005161200.1	neural cell adhesion molecule 1 isoform X9
XP_694481.6	neural cell adhesion molecule 1-like
XP_006642352.1	neural cell adhesion molecule 1-like, partial
XP_005167864.1	neural cell adhesion molecule 2 isoform X1
XP_005167865.1	neural cell adhesion molecule 2 isoform X2
NP_571905.1	neural cell adhesion molecule 2 precursor
XP_005814809.1	neural cell adhesion molecule L1.1-like, partial
XP_005162282.1	neural cell adhesion molecule L1.2 isoform X1
XP_006625516.1	neural cell adhesion molecule L1-like
CBN80965.1	Neural cell adhesion molecule L1-like protein
NP_001156578.1	neural cell adhesion molecule L1-like protein precursor
XP_003973781.1	neural cell adhesion molecule L1-like protein-like
XP_003198872.2	neural cell adhesion molecule L1-like protein-like, partial
AA02665.1	neural friend of GATA-A
XP_005161144.1	neural precursor cell expressed, developmentally down-regulated 4-like isoform X10
XP_688089.3	neural precursor cell expressed, developmentally down-regulated 4-like isoform X12
XP_005161141.1	neural precursor cell expressed, developmentally down-regulated 4-like isoform X7
XP_005172004.1	neural proliferation differentiation and control protein 1-like isoform X1
NP_001122255.1	neural proliferation, differentiation and control, 1a precursor
NP_001076475.1	neural Wiskott-Aldrich syndrome protein
XP_005163164.1	neural Wiskott-Aldrich syndrome protein isoform X2
XP_005163165.1	neural Wiskott-Aldrich syndrome protein isoform X3
XP_001921123.3	neural-cadherin
XP_001920988.3	neural-cadherin-like
NP_001071026.1	neuralized-like protein 1A
XP_005156281.1	neuralized-like protein 4-like isoform X1
XP_005454435.1	neuralized-like protein 4-like isoform X3
ACM45582.1	neuregulin 1 type IIb12 isoform
XP_005161385.1	neuregulin 2a isoform X2
XP_005157176.1	neuregulin 2b isoform X1
NP_956253.1	neurensin-1
XP_004077727.1	neurensin-1-like
XP_005156275.1	neurexin 1a isoform X10
XP_005156267.1	neurexin 1a isoform X2
XP_005156269.1	neurexin 1a isoform X4
XP_005156271.1	neurexin 1a isoform X6
XP_005156273.1	neurexin 1a isoform X8
NP_001073490.1	neurexin 1a precursor
XP_005161411.1	neurexin 2a isoform X2
NP_001073439.1	neurexin 2a precursor
ABG25168.1	neurexin 2b beta
NP_001073453.1	neurexin 2b precursor
NP_001073478.1	neurexin 3a precursor
XP_005474085.1	neurexin-1a isoform X1
XP_003964247.1	neurexin-1a-alpha-like
XP_005915611.1	neurexin-1a-like
XP_005806861.1	neurexin-1a-like isoform X1
XP_005806867.1	neurexin-1a-like isoform X7
XP_006800863.1	neurexin-1-beta-like isoform X12
XP_006638689.1	neurexin-1-like
XP_005864509.1	neurexin-2
XP_004076483.1	neurexin-2-alpha-like
XP_005805879.1	neurexin-2-like
XP_005735442.1	neurexin-2-like isoform X2
XP_005455250.1	neurexin-2-like isoform X3
XP_005455252.1	neurexin-2-like isoform X5
XP_004082472.1	neurexin-3a-alpha-like
ETE58777.1	Neurexin-3-alpha, partial
XP_005514245.1	neurexophilin-1
NP_001002733.1	neurexophilin-1 precursor
XP_691473.2	neurexophilin-1-like
XP_001337769.1	neurexophilin-2
XP_698522.2	neurexophilin-2-like
XP_003973505.1	neurexophilin-4-like
NP_001002507.1	neuritin precursor
XP_006634445.1	neuritin-like
ERE90792.1	neurobeachin
XP_005172723.1	neurobeachin a isoform X2
XP_005172724.1	neurobeachin a isoform X3
XP_005172725.1	neurobeachin a isoform X4
XP_004479588.1	neurobeachin isoform 7
XP_004660055.1	neurobeachin isoform X1
XP_006719868.1	neurobeachin isoform X10
XP_005516366.1	neurobeachin isoform X2
XP_006000244.1	neurobeachin isoform X4

ETE69177.1 Neurobeachin, partial
 XP_001920727.1 neurobeachin-like
 XP_002662311.2 neurobeachin-like 1 isoform X1
 XP_005172148.1 neurobeachin-like 1 isoform X2
 XP_005172149.1 neurobeachin-like 1 isoform X3
 XP_003200210.2 neurobeachin-like 2
 XP_006628234.1 neurobeachin-like isoform X1
 XP_006628235.1 neurobeachin-like isoform X2
 XP_005926518.1 neurobeachin-like isoform X3
 XP_006800188.1 neurobeachin-like isoform X4
 XP_005933964.1 neurobeachin-like protein 1-like
 XP_684581.5 neuroblast differentiation-associated protein AHNAK
 XP_005159329.1 neuroblast differentiation-associated protein AHNAK isoform X10
 XP_005159330.1 neuroblast differentiation-associated protein AHNAK isoform X11
 XP_005158763.1 neuroblast differentiation-associated protein AHNAK isoform X2
 XP_005159328.1 neuroblast differentiation-associated protein AHNAK isoform X9
 XP_005944119.1 neuroblast differentiation-associated protein AHNAK-like
 XP_001335151.4 neuroblast differentiation-associated protein AHNAK-like isoform X1
 AAH76419.1 Neuroblastoma RAS viral (v-ras) oncogene homolog
 NP_001038272.1 neuroblastoma-amplified sequence
 XP_005160753.1 neuroblastoma-amplified sequence isoform X1
 XP_002157159.2 neuroblastoma-amplified sequence-like
 XP_005914378.1 neuroblastoma-amplified sequence-like isoform X2
 XP_003452140.1 neurocalcin-delta A-like isoform X1
 XP_005010659.1 neurocalcin-delta isoform X1
 EPY74829.1 neurocalcin-delta-like protein
 XP_002661027.3 neurocan core protein
 XP_005795756.1 neurocan core protein-like
 XP_005938821.1 neurochondrin-like isoform X1
 NP_001131134.1 neuroendocrine convertase 1 precursor
 XP_003758219.1 neuroendocrine convertase 2 isoform 2
 XP_005474259.1 neuroendocrine convertase 2 isoform X2
 ACI33576.1 Neuroendocrine convertase 2 precursor
 NP_957020.1 neuroendocrine protein 7B2 precursor
 AAP83587.1 neuroendocrine-type voltage-gated calcium channel subunit Cav1.3
 NP_001139239.1 neurofascin precursor
 XP_006628518.1 neurofascin-like
 XP_005162159.1 neurofascin-like isoform X2
 XP_005162161.1 neurofascin-like isoform X4
 XP_005987610.1 neurofibromin
 AA108006.1 Neurofibromin 2 (bilateral acoustic neuroma)
 NP_998116.1 neurofibromin 2b (merlin)
 XP_002664692.2 neurofibromin isoform X1
 XP_005157770.1 neurofibromin isoform X2
 XP_692937.4 neurofibromin isoform X3
 XP_005157772.1 neurofibromin isoform X4
 XP_006641107.1 neurofibromin-like
 XP_005162783.1 neurofilament heavy polypeptide-like isoform X1
 XP_001333768.2 neurofilament light polypeptide-like
 NP_001104684.1 neurofilament medium polypeptide isoform 1
 NP_001018525.1 neurofilament medium polypeptide isoform 2
 XP_696330.3 neurofilament medium polypeptide isoform X2
 NP_571053.1 neurogenic differentiation factor 1
 XP_005156182.1 neurogenic differentiation factor 2 isoform X1
 XP_005162911.1 neurogenic differentiation factor 6-A isoform X1
 XP_005171498.1 neurogenic differentiation factor 6-B isoform X1
 XP_005168706.1 neurogenic locus notch homolog protein 1 isoform X1
 NP_571624.2 neurogenic locus notch homolog protein 3 precursor
 XP_005157617.1 neurogenic locus notch homolog protein 4-like
 XP_005931921.1 neurogenic locus notch homolog protein 4-like isoform X1
 XP_685112.6 neurogenic locus Notch protein, partial
 AGS58246.1 neurogenic locus notch-like protein 1, partial
 XP_005156788.1 neurogenin 3 isoform X1
 NP_571116.1 neurogenin-1
 ACJ64077.1 neurogranin
 NP_001074129.1 neurogranin (protein kinase C substrate, RC3) b
 NP_938187.2 neuroguidin
 XP_006809485.1 neuroguidin-like
 ADB12617.1 neuroligin 1
 NP_001254594.1 neuroligin 2a
 ADB12619.1 neuroligin 2b
 XP_005172272.1 neuroligin 2b isoform X2
 NP_001188436.1 neuroligin 2b precursor
 NP_001159806.1 neuroligin 3b precursor
 ADB12622.1 neuroligin 4a
 NP_001166966.1 neuroligin 4a precursor
 XP_005455295.1 neuroligin-2-like
 XP_006627420.1 neuroligin-2-like isoform X2
 XP_005157256.1 neuroligin-3 isoform X1

XP_005795427.1 neuroigin-3-like isoform X1
 XP_006632839.1 neuroigin-3-like isoform X2
 XP_006632843.1 neuroigin-3-like isoform X6
 NP_001159803.1 neuroigin-4, X-linked
 XP_006637980.1 neuroigin-4, X-linked-like isoform X5
 XP_005172615.1 neuroigin-4, Y-linked isoform X1
 AAL11440.1 neuroilin-like cell adhesion molecule
 XP_005437378.1 neuromedin-K receptor
 NP_001267026.1 neuromedin-K receptor-like
 XP_685405.3 neuromedin-U receptor 1-like
 XP_695127.2 neuromedin-U receptor 2-like
 XP_006628038.1 neuromodulin-like
 XP_005166215.1 neuron navigator 1-like
 XP_006782903.1 neuron navigator 1-like isoform X1
 NP_001122113.1 neuron navigator 2
 XP_005174412.1 neuron navigator 2 isoform X2
 XP_005370408.1 neuron navigator 2 isoform X3
 XP_005174414.1 neuron navigator 2 isoform X4
 XP_005046418.1 neuron navigator 2 isoform X7
 XP_006642591.1 neuron navigator 2-like isoform X3
 ERE91582.1 neuron navigator 3
 XP_005164951.1 neuron navigator 3 isoform X1
 XP_005801255.1 neuron navigator 3-like
 XP_004571336.1 neuronal acetylcholine receptor subunit alpha-2-like
 XP_005912959.1 neuronal acetylcholine receptor subunit alpha-3-like isoform X1
 XP_697298.4 neuronal acetylcholine receptor subunit alpha-4 isoform X3
 NP_006629036.1 neuronal acetylcholine receptor subunit alpha-5-like
 XP_001036149.1 neuronal acetylcholine receptor subunit alpha-6 precursor
 XP_003201674.2 neuronal acetylcholine receptor subunit alpha-7-like
 XP_003439558.2 neuronal acetylcholine receptor subunit alpha-7-like isoform X1
 XP_006630105.1 neuronal acetylcholine receptor subunit alpha-9-II-like
 XP_001920894.2 neuronal acetylcholine receptor subunit alpha-9-I-like
 XP_005169811.1 neuronal acetylcholine receptor subunit beta-2
 XP_001343044.4 neuronal acetylcholine receptor subunit beta-2-like
 XP_696993.2 neuronal acetylcholine receptor subunit beta-4-like
 XP_005470074.1 neuronal acetylcholine receptor subunit non-alpha-3-like isoform X2
 XP_006640650.1 neuronal calcium sensor 1-like
 XP_006642951.1 neuronal cell adhesion molecule-like isoform X1
 NP_001003851.1 neuronal growth regulator 1 precursor
 XP_005459967.1 neuronal growth regulator 1-like isoform X2
 NP_998365.1 neuronal membrane glycoprotein M6-a
 XP_006630149.1 neuronal membrane glycoprotein M6-a-like
 NP_001038562.1 neuronal nicotinic acetylcholine receptor alpha-7 subunit-like precursor
 XP_006632898.1 neuronal PAS domain-containing protein 2-like
 XP_006191334.1 neuronal PAS domain-containing protein 3
 XP_687851.5 neuronal PAS domain-containing protein 3 isoform X2
 XP_005804208.1 neuronal PAS domain-containing protein 3-like
 XP_006632222.1 neuronal PAS domain-containing protein 3-like isoform X1
 XP_001333944.2 neuronal PAS domain-containing protein 4-like
 XP_005164348.1 neuronal pentraxin 2a isoform X1
 XP_005164350.1 neuronal pentraxin 2a isoform X3
 NP_001165055.1 neuronal pentraxin 2b precursor
 XP_004700726.1 neuronal pentraxin receptor
 XP_694945.4 neuronal pentraxin-1
 NP_998101.1 neuronal pentraxin-1 precursor
 XP_697785.3 neuronal pentraxin-1-like
 XP_005165438.1 neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 1-like
 XP_003197868.2 neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 2-like
 XP_005160096.1 neuronal-specific septin-3 isoform X1
 XP_005160097.1 neuronal-specific septin-3 isoform X2
 XP_005809132.1 neuronal-specific septin-3-like isoform X1
 NP_957167.1 neuron-specific protein family member 2
 XP_006220370.1 neuro-oncological ventral antigen 2
 XP_005160110.1 neuropathy target esterase isoform X3
 XP_006631714.1 neuropathy target esterase-like
 XP_005931352.1 neuropathy target esterase-like isoform X2
 AC166524.1 Neuropeptide B precursor
 XP_003450170.1 neuropeptide B-like
 NP_001165167.1 neuropeptide FF receptor 1 like 1
 NP_001165168.1 neuropeptide FF receptor 1 like 2
 XP_006635448.1 neuropeptide FF receptor 1-like
 XP_690069.5 neuropeptide FF receptor 2
 NP_001098579.1 neuropeptide FF receptor 2.1
 XP_005170982.1 neuropeptide Y receptor type 1 isoform X1
 XP_003965604.1 neuropeptide Y receptor type 1-like
 XP_001332759.1 neuropeptide Y receptor type 2
 XP_001343301.2 neuropeptide Y receptor type 2-like
 XP_002666147.2 neuropeptide Y receptor type 6
 NP_001007219.1 neuropeptide Y receptor Y7

NP_571511.1	neuropeptide Y receptor Y8b
XP_006809653.1	neuropeptides capa receptor-like
XP_684950.4	neuropilin (NRP) and tolloid (TLL)-like 1
NP_991237.1	neuropilin 1b precursor
AAR87831.1	neuropilin 2a
AAR87832.1	neuropilin 2b
XP_005167532.1	neuropilin 2b isoform X1
EMP35643.1	Neuropilin and tolloid-like protein 1
XP_003201332.1	neuropilin and tolloid-like protein 1-like isoform X1
XP_005162718.1	neuropilin and tolloid-like protein 1-like isoform X2
XP_684192.6	neuropilin and tolloid-like protein 2-like
BAC53657.1	neuropilin-1
NP_001035416.1	neuropilin-1a isoform 1 precursor
XP_005918087.1	neuropilin-1a-like
ACM08842.1	Neuropilin-2 precursor
XP_006636894.1	neuropilin-2-like
AHI42528.1	neuroplastin, partial
XP_006629073.1	neuroplastin-like
XP_005805603.1	neuroplastin-like isoform X2
XP_003198998.1	neurosecretory protein VGF-like
NP_001122164.1	neuroserpin precursor
XP_001920332.3	neurotactin-like, partial
XP_697816.4	neurotensin receptor type 1-like isoform X1
XP_005159201.1	neurotensin/neuromedin N-like
XP_005172736.1	neurotrimin isoform X1
XP_005172737.1	neurotrimin isoform X2
AAD09444.1	neurotrophin receptor B xTrkB-beta, partial
XP_004780523.1	neurotrophin receptor-interacting factor homolog isoform X1
XP_004326159.1	neurotrophin-3
NP_571139.1	neurotrophin-7 precursor
XP_690649.2	neurotrypsin-like
XP_005928278.1	neurotrypsin-like isoform X1
XP_005155771.1	neurturin-like
XP_002664506.1	neutral alpha-glucosidase AB
XP_002664508.2	neutral alpha-glucosidase AB-like
XP_005467600.1	neutral alpha-glucosidase AB-like isoform X1
XP_003200424.2	neutral alpha-glucosidase C-like
XP_005156843.1	neutral amino acid transporter A isoform X1
NP_001177684.1	neutral amino acid transporter B(0)
XP_006627776.1	neutral amino acid transporter B(0)-like
NP_001167434.1	Neutral and basic amino acid transport protein rBAT
NP_001007764.1	neutral ceramidase
XP_005948559.1	neutral ceramidase-like
XP_006637757.1	neutral cholesterol ester hydrolase 1-like
XP_005472969.1	neutrophil cytosol factor 2-like
XP_005942992.1	neutrophil cytosol factor 2-like isoform X1
BAF73666.1	neutrophil cytosolic factor 1
BAF73667.1	neutrophil cytosolic factor 2
AAQ91221.1	neutrophil cytosolic factor 4
XP_005687303.1	neutrophil gelatinase-associated lipocalin
ABE97924.1	nexilin
XP_005156369.1	next to BRCA1 gene 1 protein isoform X2
AAI62497.1	Nfe2l1 protein
NP_001004499.2	NF-kappa B repressing factor
XP_005162127.1	NF-kappa-B essential modulator isoform X1
AAO26405.1	NF-kappaB inhibitor alpha-like protein A
NP_001122267.1	NF-kappa-B inhibitor beta
XP_005158204.1	NF-kappa-B inhibitor delta-like
XP_001341711.4	NF-kappa-B inhibitor zeta
XP_006639348.1	NF-kappa-B inhibitor zeta-like
ADO28115.1	nf-kappa-b inhibitor-interacting ras-like protein 1
XP_005155508.1	NF-kappa-B inhibitor-like protein 1-like
XP_003445249.1	NF-kappa-B-activating protein-like
NP_001116180.1	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial
XP_002666590.3	NF-X1-type zinc finger protein NFXL1
XP_006629909.1	NF-X1-type zinc finger protein NFXL1-like
XP_003198892.2	NFX1-type zinc finger-containing protein 1-like
AAI55103.1	Nfyc protein
NP_001107954.1	NGFI-A-binding protein 2
NP_001116780.1	N-glycosylase/DNA lyase
XP_005172528.1	N-glycosylase/DNA lyase isoform X1
BAE75800.1	NHE1
CBN81446.1	NHL repeat-containing protein 2
XP_004567550.1	NHL repeat-containing protein 2-like isoform X1
XP_006628296.1	NHL repeat-containing protein 3-like
NP_001265726.1	NHP2 non-histone chromosome protein 2-like 1
ACQ58311.1	NHP2-like protein 1
XP_005158876.1	NHS-like 1a isoform X1
XP_005158877.1	NHS-like 1a isoform X2

XP_005160821.1	NHS-like 1b isoform X2
XP_005160823.1	NHS-like 1b isoform X4
XP_004649699.1	NHS-like protein 1-like
XP_004541843.1	NHS-like protein 1-like isoform X6
XP_005173960.1	NHS-like protein 2-like
XP_001334053.3	NHS-like protein 2-like isoform X1
NP_001074055.1	niban-like protein 1
XP_006640637.1	niban-like protein 1-like
NP_001014819.1	nibrin
XP_005158171.1	nibrin isoform X1
CBN81133.1	Nicalin-1
XP_005161648.1	nicalin-1 isoform X3
XP_006639902.1	nicalin-1-like
NP_001009556.1	nicastrin precursor
XP_005796658.1	nicastrin-like
NP_001188017.1	nicolin-1
NP_001188162.1	nicotinamide mononucleotide adenyltransferase 1
ADO27934.1	nicotinamide mononucleotide adenyltransferase 2
XP_006808981.1	nicotinamide mononucleotide adenyltransferase 2-like
AAC51914.1	nicotinamide nucleotide transhydrogenase
NP_997833.1	nicotinamide phosphoribosyltransferase b
XP_004439353.1	nicotinamide phosphoribosyltransferase isoform 2
XP_002661386.1	nicotinamide phosphoribosyltransferase-like
XP_006639900.1	nicotinamide riboside kinase 2-like
XP_003454085.1	nicotinate phosphoribosyltransferase-like
AEL23189.1	nicotinic acetylcholine receptor subunit epsilon
ACI68678.1	Nicotinic acid receptor 1
XP_004077531.1	nidogen-1-like
XP_005461388.1	nidogen-1-like isoform X1
XP_005169907.1	nidogen-2 isoform X4
XP_005169909.1	nidogen-2 isoform X6
XP_006632548.1	nidogen-2-like
XP_005163715.1	Niemann-Pick C1 protein isoform X1
XP_005163716.1	Niemann-Pick C1 protein isoform X2
NP_001230804.1	Niemann-Pick C1 protein precursor
XP_004542931.1	niemann-Pick C1 protein-like
XP_007069938.1	niemann-Pick C1-like protein 1
XP_005922859.1	niemann-Pick C1-like protein 1-like
NP_001025139.1	NIF3-like protein 1
ACO09999.1	NiFU-like N-terminal domain-containing protein, mitochondrial precursor
CAH19212.1	NILT1 leucocyte receptor
NP_001153965.1	NILT3 leucocyte receptor precursor
AAH99988.1	NIMA (never in mitosis gene a)-related kinase 8
XP_005477441.1	ninein isoform X1
NP_001268727.1	ninein-like
XP_002664146.3	ninein-like protein-like
XP_001339643.2	ninjurin-1 isoform X1
XP_006633861.1	ninjurin-1-like
XP_003965886.1	NIPA-like protein 2-like
XP_005173610.1	NIPA-like protein 2-like, partial
NP_001002634.1	NIPA-like protein 3
XP_006627356.1	nipped-B-like protein-like
NP_001154069.1	NipSnap2
CAB56702.1	NIPSNAP2 protein
NP_001187303.1	nipsnap-like 1
NP_001187295.1	nipsnap-like 2
XP_002666276.2	nischarin isoform X1
XP_005987102.1	nischarin isoform X3
AEV43393.1	nitric oxide synthase 1, partial
NP_571735.1	nitric oxide synthase, brain
XP_006803925.1	nitric oxide synthase, brain-like isoform X1
XP_006803926.1	nitric oxide synthase, brain-like isoform X2
AHA57575.1	nitric oxide synthase, partial
ADO28026.1	nitric oxide synthase-interacting protein
XP_006629819.1	nitric oxide-associated protein 1-like
XP_005161311.1	nitric oxide-inducible gene protein isoform X1
XP_005915085.1	nitric oxide-inducible gene protein-like isoform X4
ACO09855.1	Nitrilase homolog 1
XP_004570737.1	nitrilase homolog 1-like isoform X1
ACO14257.1	Nitrilase homolog 2
XP_004451851.1	nitrogen permease regulator 2-like protein isoform 2
XP_006631201.1	nitrogen permease regulator 2-like protein-like
XP_005468825.1	nitrogen permease regulator 3-like protein-like isoform X2
NP_998713.1	NK1 transcription factor related 2-like,b
XP_005474464.1	NK1 transcription factor-related protein 2-like
AAI62307.1	NK2 homeobox 1a
NP_571851.1	NK2 homeobox 1b
XP_005169571.1	NK3 homeobox 3 isoform X1
NP_001187137.1	NK-lysin type 1 precursor

ABC17997.1	NK-lysin type 3
AAI16511.1	Nktr protein
XP_001338072.4	NK-tumor recognition protein isoform X1
NP_001186993.1	NLR family member X1
ACM45226.1	NLRC3 receptor
NP_955894.1	N-lysine methyltransferase setd6
XP_005815142.1	N-lysine methyltransferase SETD8-A-like
XP_005167427.1	N-lysine methyltransferase SETD8-like
XP_006112751.1	N-lysine methyltransferase SMYD2
NP_001013568.1	N-lysine methyltransferase SMYD2-A
XP_003454536.1	N-lysine methyltransferase SMYD2-A-like
XP_005164480.1	N-lysine methyltransferase SMYD2-B isoform X1
ABY26543.1	NMDA receptor NR2A subunit
ABY26544.1	NMDA receptor NR2C subunit
CAP70079.1	NMDA receptor subunit NR1
AA65280.1	NMDA receptor subunit NR2B
XP_005171970.1	NMDA receptor synaptonuclear signaling and neuronal migration factor isoform X2
XP_682740.5	NMDA receptor synaptonuclear signaling and neuronal migration factor-like
XP_006797612.1	NMDA receptor synaptonuclear signaling and neuronal migration factor-like isoform X2
XP_005940166.1	NMDA receptor synaptonuclear signaling and neuronal migration factor-like isoform X4
AAH45491.2	NMDA receptor-regulated gene 1a
ACN10545.1	NMDA receptor-regulated protein 1
XP_001344451.3	NMDA receptor-regulated protein 2
CAP08279.1	N-methyl D-aspartate receptor subunit 2D
XP_005163139.1	N-myc downstream regulated gene 4 isoform X6
XP_004085018.1	N-myc-interactor-like
XP_003456255.1	N-myc-interactor-like isoform X1
AAT90361.1	N-myc-like protein
BAO05508.1	N-myristoyltransferase
NP_001156321.1	N-myristoyltransferase 1b
AAO20905.1	N-myristoyltransferase 2
AAI52643.1	Nnt protein
AAI35015.1	Noc3l protein
XP_684448.3	nociceptin receptor-like
ACM45225.1	NOD2 receptor
ABD85579.1	Nod3 protein-like
XP_001376328.1	nodal modulator 1
XP_006637371.1	nodal modulator 1-like
XP_006790699.1	nodal modulator 1-like, partial
XP_002662361.1	nodal modulator 2
NP_571041.1	nodal-related 1 precursor
XP_003996080.1	noelin isoform X1
XP_005163803.1	noelin-2 isoform X1
XP_006798384.1	noelin-2-like
CBN81789.1	Noelin-3
ACX71862.1	noggin2
XP_005469122.1	noggin-like isoform X1
NP_001133241.1	Nogo-B receptor
XP_006626351.1	nogo-B receptor-like
NP_001134598.1	NOL1/NOP2/Sun domain family, member 4
NP_001187578.1	non-homologous end-joining factor 1
XP_687652.2	non-lysosomal glucosylceramidase isoform X2
XP_006629634.1	non-lysosomal glucosylceramidase-like
NP_001108355.1	non-muscle caldesmon
XP_005163124.1	non-muscle caldesmon isoform X2
XP_003201508.2	non-muscle caldesmon-like
AGS07433.1	non-receptor protein tyrosine kinase 2-1
AGS07437.1	non-receptor protein tyrosine kinase 2-5
EMP24984.1	Non-receptor tyrosine-protein kinase TYK2
NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
XP_005163284.1	non-specific lipid-transfer protein isoform X2
ACI67140.1	Non-structural maintenance of chromosomes element 1 homolog
NP_001018359.1	non-structural maintenance of chromosomes element 4 homolog A
XP_005170134.1	non-syndromic hearing impairment protein 5 homolog
XP_005804820.1	non-syndromic hearing impairment protein 5-like
AAH85643.1	NOP14 nucleolar protein homolog (yeast)
NP_998450.1	NOP2/Sun domain family, member 5
AA85266.1	NOR1
XP_003456807.1	normal mucosa of esophagus-specific gene 1 protein-like
XP_001338820.2	norrin-like
XP_001342323.4	nose resistant to fluoxetine protein 6-like
NP_001107076.1	nostrin
NP_001108566.1	notch homolog 2
AA97499.1	notch ligand
NP_001018418.1	notchless protein homolog 1
XP_005945451.1	notchless protein homolog 1-like isoform X1
NP_852473.1	notch-regulated ankyrin repeat-containing protein B
XP_698145.5	novel 7 transmembrane receptor (Secretin family) domain containing family-like
NP_001187209.1	novel immune-type receptor 1 precursor

NP_001187169.1 novel immune-type receptor 12a precursor
 NP_001187234.1 novel immune-type receptor 12b precursor
 NP_001187170.1 novel immune-type receptor 13
 NP_001187171.1 novel immune-type receptor 14 precursor
 NP_001187172.1 novel immune-type receptor 15a precursor
 NP_001187173.1 novel immune-type receptor 15b precursor
 NP_001187235.1 novel immune-type receptor 16 precursor
 NP_001187023.1 novel immune-type receptor 2 precursor
 NP_001187025.1 novel immune-type receptor 4 precursor
 NP_954581.3 novel immune-type receptor 6a precursor
 CAQ15370.1 novel kruppel-like factor protein
 CAQ15182.1 novel protein
 CAQ13580.1 novel protein (zgc:63632)
 CAI11594.1 novel protein (zgc:85809)
 CAQ14221.1 novel protein containing a WW domain and PDZ domains (Also known as DHR or GLGF)
 CAM14210.1 novel protein containing ankyrin repeats
 XP_005172208.1 novel protein containing immunoglobulin domains isoform X2
 CAI11836.1 novel protein containing multiple scavenger receptor cysteine-rich (SRCR) domains similar to vertebrate deleted in malignant brain tumors 1 (DMBT1)
 CAJ83966.1 novel protein containing SH3 domain similar to RICS (Rho GTPase-activating protein)
 CAM15635.1 novel protein containing zona pellucida-like domains (si:dkeyp-50f7.2)
 CAK04900.1 novel protein similar to fly cactin (cactin)
 CAE47759.1 novel protein similar to glycosyltransferases
 NP_001017832.1 novel protein similar to H.sapiens GTF2F2, general transcription factor IIF, polypeptide 2, 30kDa (GTF2F2, zgc:110187)
 CAE30421.1 novel protein similar to human and mouse CpG binding protein (CGBP)
 CAI20723.2 novel protein similar to human and mouse NIMA (never in mitosis gene a)-related kinase 1 (NEK1)
 CAQ13802.1 novel protein similar to human Ca²⁺ dependent activator protein for secretion (CADPS)
 CAQ15258.1 novel protein similar to human chromosome 14 open reading frame 115 (C14orf115)
 CAE48997.1 novel protein similar to human conserved protein (gene) telomeric to alpha globin cluster (CGTHBA)
 CAD43436.1 novel protein similar to human cystatin
 CAE30365.1 novel protein similar to human EGF LAG seven-pass G-type receptor 1 cadherin (CELSR1)
 CAD43417.1 novel protein similar to human FLJ12550
 CAE17591.1 novel protein similar to human general control of amino-acid synthesis 1-like 1 (yeast) (GCN1)
 CAE17623.2 novel protein similar to human H326 protein
 CAE30366.1 novel protein similar to human non-muscle myosin, heavy polypeptide 10 (MYH10)
 CAK04161.1 novel protein similar to human rearranged L-myc fusion sequence (RLF)
 CAD43460.1 novel protein similar to human signal transduction and activator of transcription 4 (STAT4)
 CAE17634.2 novel protein similar to human telomerase-associated protein 1 (TEP1)
 CAD87780.1 novel protein similar to human titin (TTN)
 CAE47762.2 novel protein similar to human DNA-directed polymerase theta (POLQ)
 CAQ13630.1 novel protein similar to inositol polyphosphate-4-phosphatase, type I (inpp4a)
 CAK04427.1 novel protein similar to laminin beta 1 (lamb1)
 CAI21223.1 novel protein similar to lectins
 CAH69071.1 novel protein similar to mouse and human mitochondrial ribosomal protein L46 (MRPL46)
 CAK04233.1 novel protein similar to mouse and human Rho guanine nucleotide exchange factor (GEF) 17 (ARHGEF17)
 CAE49579.1 novel protein similar to mouse and rodent cholinergic receptor, nicotinic, alpha polypeptide 7 (CHRNA7)
 CAP09621.1 novel protein similar to phosphatase and actin regulator 3 (PHACTR3, zgc:109967)
 CAX12192.1 novel protein similar to vertebrate actin binding LIM protein family, member 3 (ABLIM3, zgc:158673)
 CAN87940.1 novel protein similar to vertebrate ADP-ribosylation factor-like 15 (ARL15)
 CAQ14854.1 novel protein similar to vertebrate amphoterin-induced gene and ORF 3 (AMIGO3)
 CAK10956.1 novel protein similar to vertebrate ATPase family
 CAK10913.1 novel protein similar to vertebrate BTB (POZ) domain containing family
 CAQ15510.1 novel protein similar to vertebrate calcium channel, voltage-dependent, beta 4 subunit (CACNB4, zgc:136550)
 CAK11208.1 novel protein similar to vertebrate cell adhesion molecule-related/down-regulated by oncogenes (CDON)
 CAK04887.1 novel protein similar to vertebrate CG2666-PC, isoform C (kkv)
 CAQ14219.1 novel protein similar to vertebrate cholecystokinin receptor
 CAK05003.1 novel protein similar to vertebrate chromosome 6 open reading frame 32 (C6orf32)
 XP_697644.6 novel protein similar to vertebrate contactin associated protein family
 CAI11693.1 novel protein similar to vertebrate discoidin domain receptor family, member 2
 CAK04442.1 novel protein similar to vertebrate discs, large homolog 3 (neuroendocrine-dlg, Drosophila) (DLG3)
 CAK04882.1 novel protein similar to vertebrate early endosome antigen 1, 162kD (EEA1)
 CAQ15104.1 novel protein similar to vertebrate ectonucleoside triphosphate diphosphohydrolase 6 (putative function) (ENTPD6)
 CAK05009.1 novel protein similar to vertebrate EF hand calcium binding protein 1 (EFCBP1)
 CAK04263.1 novel protein similar to vertebrate Eph receptor A7 (EPHA7)
 CAQ15527.1 novel protein similar to vertebrate F-box and leucine-rich repeat protein 4 (FBXL4)
 CAM15224.1 novel protein similar to vertebrate fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94) (FER)

CAI11956.2 novel protein similar to vertebrate formyltetrahydrofolate synthetase domain containing 1 (FTHFSDC1)

CAQ15495.1 novel protein similar to vertebrate furin (paired basic amino acid cleaving enzyme) (FURIN)

CAK04290.1 novel protein similar to vertebrate FYVE, RhoGEF and PH domain containing 1, faciogenital dysplasia (FGD1)

CAM16014.1 novel protein similar to vertebrate G elongation factor, mitochondrial 2 (GFM2)

CAK04056.1 novel protein similar to vertebrate gamma-aminobutyric acid (GABA) B receptor, 1 (GABBR1)

CAN88734.1 novel protein similar to vertebrate heat shock 27kDa protein 3 (HSPB3)

CAK10783.1 novel protein similar to vertebrate homeodomain interacting protein kinase 1 (HIPK1)

CAQ13296.1 novel protein similar to vertebrate immunoglobulin superfamily, member 9 (IGSF9)

CAK03700.1 novel protein similar to vertebrate importin 8 (IPO8)

CAK05352.1 novel protein similar to vertebrate inositol 1,4,5-triphosphate receptor, type 2 (ITPR2)

CAQ13354.1 novel protein similar to vertebrate integrin, alpha 6 (ITGA6)

CAI11951.1 novel protein similar to vertebrate interferon regulatory factor 4 (IRF4)

CAM46910.1 novel protein similar to vertebrate laminin EGF-like (Domains III and V) family

CAK04984.1 novel protein similar to vertebrate leprecan-like family

CAQ13698.1 novel protein similar to vertebrate leucine rich repeat containing 8 family

CAM46906.1 novel protein similar to vertebrate monooxygenase, DBH-like 1 (MOXD1)

CAK10958.1 novel protein similar to vertebrate nuclear factor, interleukin 3 regulated (NFIL3)

CAM13426.1 novel protein similar to vertebrate nuclear receptor subfamily 3, group C, member 2 (NR3C2)

CAQ14846.1 novel protein similar to vertebrate nuclear transcription factor Y, alpha (NFYA)

CAX12847.1 novel protein similar to vertebrate odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2)

CAK05293.1 novel protein similar to vertebrate par-6 partitioning defective 6 homolog (C.elegans) family

CAI20814.2 novel protein similar to vertebrate PCTAIRE protein kinase 2 (PCTK2)

CAK10742.1 novel protein similar to vertebrate phospholipase A2, group VI (PLA2G6) (zgc:77476)

CAI11876.1 novel protein similar to vertebrate protein kinase lysine deficient 1 (PRKWKN1)

CAM14100.1 novel protein similar to vertebrate RAB6 interacting protein 2 (RAB6IP2)

CAI21096.1 novel protein similar to vertebrate RecQ protein-like DNA helicase Q1-like (RECQL)

CAI12052.1 novel protein similar to vertebrate SH3 multiple domains 2 (SH3MD2)

CAK04781.1 novel protein similar to vertebrate SLIT-ROBO Rho GTPase activating protein family

CAX12842.1 novel protein similar to vertebrate sorbin and SH3 domain containing 2 (SORBS2)

CAH68877.2 novel protein similar to vertebrate spectrin repeat containing, nuclear envelope 1 (SYNE1)

CAM56615.1 novel protein similar to vertebrate SUMO1/sentrin specific protease family

CAQ13439.1 novel protein similar to vertebrate testis expressed sequence 11 (TEX11)

CAQ13811.1 novel protein similar to vertebrate titin (TTN)

CAE50430.1 novel protein similar to vertebrate voltage-dependent calcium channel P/Q type alpha 1 subunit (CACNA1)

CAE30438.1 novel protein similar to zebrafish epithelial cadherin 1 (cdh1)

CAI11590.1 novel slow skeletal troponin T family protein

CAD60836.1 novel zinc finger protein

AAH95358.1 Npat protein

XP_005171497.1 NPC1 (Niemann-Pick disease, type C1, gene)-like 1

AAI33977.1 Nphs2 protein

A1XQX8.1 NR3AA_DANRE RecName: Full=Neurexin-3a; AltName: Full=Neurexin IIIa-alpha; AltName: Full=Neurexin-3a-alpha; Flags: Precursor

AAI62651.1 Nr6a1 protein

AAI34860.1 Nrd1 protein

Q8QFX6.1 NRPIA_DANRE RecName: Full=Neuropilin-1a; Short=znrp1; Flags: Precursor

AAI33731.1 Nrp1b protein

XP_003201235.1 NSFL1 cofactor p47-like isoform X1

XP_003201236.1 NSFL1 cofactor p47-like isoform X2

NP_001116740.1 N-sulphoglucosamine sulphohydrolase precursor

XP_007078360.1 NT-3 growth factor receptor

XP_007060423.1 NT-3 growth factor receptor isoform X4

NP_001243593.1 NT-3 growth factor receptor precursor

XP_002662799.3 NT-3 growth factor receptor, partial

XP_006771846.1 NT-3 growth factor receptor-like

XP_005808581.1 NT-3 growth factor receptor-like isoform X2

NP_001188096.1 n-terminal acetyltransferase complex ard1 subunit-like protein A

NP_001187292.1 n-terminal asparagine amidohydrolase

CBN80802.1 N-terminal EF-hand calcium-binding protein 1

XP_005168843.1 N-terminal EF-hand calcium-binding protein 1-like

XP_005159174.1 N-terminal EF-hand calcium-binding protein 2 isoform X1

XP_006641459.1 N-terminal EF-hand calcium-binding protein 2-like

XP_003970591.1 NTF2-related export protein 2-like

CAP71949.2 ntn1b

AAI63393.1 Ntn1b protein

AAI63582.1 Ntn4 protein

XP_690435.2 NTPase KAP family P-loop domain-containing protein 1-like

AGV05020.1 N-type calcium channel alpha 1B subunit

EMP29890.1 NUAKE family SNF1-like kinase 1

XP_003967677.1 NUAKE family SNF1-like kinase 1-like

XP_003441313.1 NUAKE family SNF1-like kinase 2-like

XP_689990.2 NUAKE family, SNF1-like kinase, 1

XP_005167687.1 nuclear anchorage protein 1 isoform X1

XP_006642722.1 nuclear anchorage protein 1-like
 XP_006640843.1 nuclear apoptosis-inducing factor 1-like
 XP_005166341.1 nuclear autoantigenic sperm protein isoform X2
 XP_005171674.1 nuclear body protein SP140-like isoform X1
 XP_001337239.2 nuclear body protein SP140-like protein-like isoform X1
 XP_005171676.1 nuclear body protein SP140-like protein-like isoform X2
 NP_001158814.1 nuclear cap-binding protein subunit 1
 XP_005807846.1 nuclear cap-binding protein subunit 1-like
 XP_004073649.1 nuclear cap-binding protein subunit 1-like isoform 1
 NP_001134802.1 nuclear cap-binding protein subunit 2
 NP_001025374.1 nuclear distribution protein nudE homolog 1
 NP_958464.1 nuclear distribution protein nudE-like 1-B
 XP_696713.3 nuclear envelope pore membrane protein POM 121
 XP_004082515.1 nuclear export mediator factor Nemf-like
 NP_998396.1 nuclear factor (erythroid-derived 2)-like 3
 XP_006089813.1 nuclear factor 1 A-type isoform X2
 XP_005999946.1 nuclear factor 1 B-type isoform X5
 XP_001921162.2 nuclear factor 1 C-type isoform X1
 XP_005166996.1 nuclear factor 1 C-type isoform X2
 XP_005992030.1 nuclear factor 1 C-type-like
 XP_005938494.1 nuclear factor 1 C-type-like isoform X1
 XP_005938495.1 nuclear factor 1 C-type-like isoform X2
 XP_004570395.1 nuclear factor 1 X-type-like isoform X13
 XP_004567904.1 nuclear factor 1 X-type-like isoform X7
 XP_005462887.1 nuclear factor 7, brain-like
 XP_683612.5 nuclear factor 7, ovary isoform X2
 XP_005953073.1 nuclear factor 7, ovary-like
 XP_003456495.2 nuclear factor 7, ovary-like isoform X1
 XP_005753621.1 nuclear factor 7, ovary-like, partial
 CAA48260.1 nuclear factor I-C4
 NP_001135291.1 nuclear factor interleukin-3-regulated protein
 NP_001001840.2 nuclear factor NF-kappa-B p100 subunit
 XP_005170313.1 nuclear factor NF-kappa-B p105 subunit isoform X2
 NP_005170314.1 nuclear factor NF-kappa-B p105 subunit isoform X3
 XP_003447694.2 nuclear factor NF-kappa-B p105 subunit-like
 NP_956189.1 nuclear factor of activated T-cells 5
 XP_005467088.1 nuclear factor of activated T-cells 5 isoform X4
 XP_006641262.1 nuclear factor of activated T-cells 5-like
 XP_005174609.1 nuclear factor of activated T-cells 5-like isoform X1
 NP_001038624.1 nuclear factor of activated T-cells, cytoplasmic 1
 XP_003965985.1 nuclear factor of activated T-cells, cytoplasmic 1-like
 XP_700591.6 nuclear factor of activated T-cells, cytoplasmic 2-like
 XP_005918867.1 nuclear factor of activated T-cells, cytoplasmic 2-like isoform X1
 XP_005918868.1 nuclear factor of activated T-cells, cytoplasmic 2-like isoform X2
 XP_690273.3 nuclear factor of activated T-cells, cytoplasmic 3
 XP_001921767.1 nuclear factor of activated T-cells, cytoplasmic 3-like
 XP_690183.5 nuclear factor of activated T-cells, cytoplasmic 4
 XP_004698560.1 nuclear factor of activated T-cells, cytoplasmic 4 isoform X2
 XP_003447556.1 nuclear factor of activated T-cells, cytoplasmic 4-like
 BAM62633.1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1, partial
 NP_001229964.1 nuclear factor related to kappa-B-binding protein
 XP_006642250.1 nuclear factor related to kappa-B-binding protein-like
 NP_001183994.1 nuclear factor, interleukin 3 regulated, member 2
 XP_005165781.1 nuclear factor, interleukin 3 regulated, member 5 isoform X1
 XP_002664688.1 nuclear fragile X mental retardation-interacting protein 2
 XP_005928600.1 nuclear fragile X mental retardation-interacting protein 2-like
 XP_006058971.1 nuclear GTPase SLIP-GC
 XP_003828211.1 nuclear inhibitor of protein phosphatase 1
 XP_006003640.1 nuclear mitotic apparatus protein 1
 XP_701145.6 nuclear mitotic apparatus protein 1-like
 XP_005309268.1 nuclear mitotic apparatus protein 1-like isoform X2
 NP_571013.1 nuclear oncoprotein skib
 ETE63655.1 Nuclear pore complex protein
 NP_001025338.1 nuclear pore complex protein Nup107
 XP_006633638.1 nuclear pore complex protein Nup107-like
 NP_998696.1 nuclear pore complex protein Nup133
 XP_005751729.1 nuclear pore complex protein Nup133-like isoform X2
 XP_005159852.1 nuclear pore complex protein Nup153 isoform X1
 XP_005159853.1 nuclear pore complex protein Nup153 isoform X2
 XP_700317.6 nuclear pore complex protein Nup153 isoform X3
 NP_956450.1 nuclear pore complex protein Nup155
 XP_005941615.1 nuclear pore complex protein Nup155-like isoform X1
 NP_956956.1 nuclear pore complex protein Nup160
 XP_004571604.1 nuclear pore complex protein Nup160-like isoform X2
 XP_003198780.2 nuclear pore complex protein Nup214
 XP_006640849.1 nuclear pore complex protein Nup214-like
 XP_005459525.1 nuclear pore complex protein Nup214-like isoform X3
 XP_005459527.1 nuclear pore complex protein Nup214-like isoform X5
 XP_005734211.1 nuclear pore complex protein Nup50-like isoform X1

XP_004549756.1 nuclear pore complex protein Nup54-like isoform X1
 NP_001134034.1 nuclear pore complex protein Nup85
 XP_005925566.1 nuclear pore complex protein Nup85-like
 XP_003452867.1 nuclear pore complex protein Nup85-like isoform X1
 XP_006640886.1 nuclear pore complex protein Nup88-like
 XP_005457417.1 nuclear pore complex protein Nup98-Nup96 isoform X2
 CCU76163.1 nuclear pore complex protein subunit
 ACN11471.1 Nuclear pore glycoprotein p62
 XP_002667606.3 nuclear pore membrane glycoprotein 210
 XP_006631179.1 nuclear pore membrane glycoprotein 210-like
 NP_001002342.1 nuclear prelamin A recognition factor
 XP_001923641.1 nuclear prelamin A recognition factor-like
 BAN84406.1 nuclear progesterin receptor
 ACI66304.1 Nuclear protein 1
 NP_001080427.1 nuclear protein localization 4 homolog
 NP_956101.1 nuclear protein localization protein 4 homolog
 XP_005164696.1 nuclear protein MDM1 isoform X1
 NP_001134357.1 Nuclear receptor 2C2-associated protein
 XP_004550747.1 nuclear receptor coactivator 1-like
 AA163724.1 Nuclear receptor coactivator 2
 XP_006794803.1 nuclear receptor coactivator 2-like
 XP_005450256.1 nuclear receptor coactivator 3 isoform X1
 XP_006639632.1 nuclear receptor coactivator 3-like
 NP_001158827.1 nuclear receptor coactivator 4
 XP_005166216.1 nuclear receptor coactivator 5 isoform X1
 ACI67963.1 Nuclear receptor coactivator 6
 XP_001918997.4 nuclear receptor coactivator 6 isoform X1
 XP_004078092.1 nuclear receptor coactivator 7-like
 XP_001331985.3 nuclear receptor coactivator 7-like isoform X1
 NP_956570.2 nuclear receptor corepressor 1
 XP_005165342.1 nuclear receptor corepressor 1 isoform X3
 XP_003970850.1 nuclear receptor corepressor 1-like
 XP_005169149.1 nuclear receptor corepressor 2 isoform X1
 XP_004544181.1 nuclear receptor corepressor 2-like isoform X1
 NP_001103637.1 nuclear receptor ROR-alpha
 XP_006628976.1 nuclear receptor ROR-alpha-like isoform X2
 NP_001076325.1 nuclear receptor ROR-beta
 XP_004067713.1 nuclear receptor ROR-beta-like
 NP_001076416.1 nuclear receptor subfamily 0 group B member 1
 NP_001134122.1 nuclear receptor subfamily 0 group B member 2
 NP_991292.1 nuclear receptor subfamily 1 group D member 1
 NP_571140.1 nuclear receptor subfamily 1 group D member 2
 NP_001092087.1 nuclear receptor subfamily 1 group I member 2
 NP_001272462.1 nuclear receptor subfamily 1, group D, member 4b
 AFA36444.2 nuclear receptor subfamily 2 group C member 1
 XP_005167414.1 nuclear receptor subfamily 2 group C member 2 isoform X3
 XP_004870533.1 nuclear receptor subfamily 2 group C member 2 isoform X7
 NP_001003608.1 nuclear receptor subfamily 2 group E member 1
 NP_571255.1 nuclear receptor subfamily 2 group F member 1-A
 NP_571261.1 nuclear receptor subfamily 2 group F member 5
 NP_998404.1 nuclear receptor subfamily 2, group F, member 6b
 NP_001002173.1 nuclear receptor subfamily 4 group A member 1
 XP_004070930.1 nuclear receptor subfamily 4 group A member 1-like
 XP_005805373.1 nuclear receptor subfamily 4 group A member 2-like
 NP_001002406.1 nuclear receptor subfamily 4, group A, member 2b
 XP_005165891.1 nuclear receptor subfamily 4, group A, member 2b isoform X1
 XP_005158111.1 nuclear receptor subfamily 4, group A, member 3 isoform X1
 XP_005158112.1 nuclear receptor subfamily 4, group A, member 3 isoform X2
 AA45704.1 nuclear receptor subfamily 5 group A member 1
 AGJ70388.1 nuclear receptor subfamily 5 group A member 5
 NP_997999.1 nuclear receptor subfamily 5, group A, member 1b
 NP_571331.2 nuclear receptor subfamily 6 group A member 1-A
 XP_006640794.1 nuclear receptor subfamily 6 group A member 1-A-like
 NP_001038654.2 nuclear receptor-binding protein
 XP_001920672.2 nuclear receptor-binding protein 2 isoform X1
 XP_006634384.1 nuclear receptor-binding protein 2-like
 XP_005157805.1 nuclear receptor-interacting protein 1 isoform X1
 XP_006627916.1 nuclear receptor-interacting protein 1-like
 NP_001116987.1 nuclear receptor-interacting protein 2
 XP_006642668.1 nuclear receptor-interacting protein 3-like
 XP_005164766.1 nuclear respiratory factor 1 isoform X1
 NP_001167209.1 Nuclear RNA export factor 1
 XP_006642851.1 nuclear RNA export factor 1-like
 XP_006641172.1 nuclear speckle splicing regulatory protein 1-like
 ADO27899.1 nuclear transcription factor y subunit beta
 XP_003444187.1 nuclear transcription factor Y subunit gamma-like isoform X1
 NP_001006000.2 nuclear transport factor 2
 EMP30828.1 Nuclear ubiquitous casein and cyclin-dependent kinases substrate
 XP_005749891.1 nuclear valosin-containing protein-like

XP_005461475.1	nuclear VCP-like isoform X1
XP_005527818.1	nuclease EXOG, mitochondrial
NP_001038928.1	nucleobindin-1 precursor
XP_003745693.1	nucleobindin-1-like
XP_004701021.1	nucleolar and coiled-body phosphoprotein 1
XP_005478183.1	nucleolar and coiled-body phosphoprotein 1-like
NP_001003830.1	nucleolar complex protein 2 homolog
NP_001002863.1	nucleolar complex protein 3 homolog
XP_004084711.1	nucleolar complex protein 3 homolog, partial
NP_001019568.1	nucleolar complex protein 4 homolog
XP_006634492.1	nucleolar GTP-binding protein 1-like
NP_998389.1	nucleolar GTP-binding protein 2
CBN82043.1	Nucleolar MIF4G domain-containing protein 1
XP_003200056.2	nucleolar pre-ribosomal-associated protein 1-like
XP_005169950.1	nucleolar protein 10 isoform X1
XP_005477567.1	nucleolar protein 10-like isoform X2
NP_001133931.1	nucleolar protein 11-like
ACQ58070.1	Nucleolar protein 12
XP_005738014.1	nucleolar protein 12-like isoform X2
NP_001133389.1	nucleolar protein 14
XP_004549661.1	nucleolar protein 14-like isoform X1
NP_001002534.1	nucleolar protein 16
NP_001009889.1	nucleolar protein 58
XP_006626762.1	nucleolar protein 6-like
XP_005987158.1	nucleolar protein 8
XP_005740296.1	nucleolar protein 9-like
XP_005475962.1	nucleolar protein 9-like isoform X3
NP_001154983.1	nucleolar protein family 6
XP_693013.2	nucleolar protein NET1-like
NP_001120807.1	nucleolar RNA helicase 2
XP_005163544.1	nucleolar transcription factor 1 isoform X2
EMP33737.1	Nucleolar transcription factor 1, partial
ERE86220.1	nucleolin
XP_005170604.1	nucleolin isoform X1
XP_005156856.1	nucleolysin TIAR isoform X3
ABX80236.1	nucleophosmin
NP_001186842.1	nucleophosmin/nucleoplasmin, 2a
XP_005726605.1	nucleophosmin-like
NP_001013502.1	nucleoplasmin-3
NP_001140011.1	Nucleoplasmin-like protein NO29
AAI25813.1	Nucleoporin 107
NP_956979.2	nucleoporin 98
XP_005161496.1	nucleoporin 98 isoform X1
NP_001167089.1	nucleoporin GLE1
XP_003444504.1	nucleoporin GLE1-like
NP_956237.1	nucleoporin NDC1
XP_001923018.1	nucleoporin NUP188 homolog
XP_005720314.1	nucleoporin NUP188 homolog isoform X1
NP_001187958.1	nucleoporin Nup37
AHG98179.1	nucleoporin Nup43 variant 1, partial
AHG98261.1	nucleoporin Nup43, partial
NP_001188069.1	nucleoporin nup53
CBN81841.1	Nucleoporin p58/p45
XP_005162741.1	nucleoporin p58/p45 isoform X4
XP_005224180.1	nucleoporin SEH1 isoform X3
NP_001133477.1	nucleoporin-like protein 2
XP_006267640.1	nucleoprotein TPR
XP_005163419.1	nucleoprotein TPR-like
XP_005451907.1	nucleoprotein TPR-like isoform X1
NP_001018431.1	nucleoredoxin
XP_006641152.1	nucleoredoxin-like
XP_002664792.1	nucleoredoxin-like protein 1-like
NP_001008630.1	nucleoredoxin-like protein 2
ADO27947.1	nucleoside diphosphate kinase 7
NP_957489.1	nucleoside diphosphate kinase, mitochondrial
XP_003454054.1	nucleoside diphosphate kinase, mitochondrial-like
NP_001187804.1	nucleoside diphosphate kinase-like protein 5
NP_001025274.1	nucleoside diphosphate-linked moiety X motif 17
XP_005158331.1	nucleoside diphosphate-linked moiety X motif 17 isoform X1
NP_001122258.1	nucleoside diphosphate-linked moiety X motif 19, mitochondrial
NP_001006069.1	nucleoside diphosphate-linked moiety X motif 22
XP_005173174.1	nucleoside diphosphate-linked moiety X motif 22 isoform X1
XP_004553759.1	nucleoside diphosphate-linked moiety X motif 6-like
XP_006642466.1	nucleoside diphosphate-linked moiety X motif 8, mitochondrial-like
NP_991218.2	nucleoside phosphorylase-like
NP_001188028.1	nucleoside-triphosphatase c1orf57
ACH70959.1	nucleosome assembly protein 1, like 1
NP_001001249.1	nucleosome assembly protein 1-like 1 isoform 1
EOA98332.1	Nucleosome assembly protein 1-like 1, partial

NP_001082816.1	nucleosome assembly protein 1-like 4a
XP_005170732.1	nucleosome assembly protein 1-like 4a isoform X1
XP_005168933.1	nucleosome assembly protein 1-like 4b isoform X2
XP_005171685.1	nucleosome-remodeling factor subunit BPTF isoform X3
XP_005171686.1	nucleosome-remodeling factor subunit BPTF isoform X4
XP_005171687.1	nucleosome-remodeling factor subunit BPTF isoform X5
XP_005171688.1	nucleosome-remodeling factor subunit BPTF isoform X6
ETE71872.1	Nucleosome-remodeling factor subunit BPTF, partial
XP_006635538.1	nucleosome-remodeling factor subunit BPTF-like
XP_002664491.2	nucleotide exchange factor SIL1-like isoform X1
ACX71753.1	nucleotide-binding oligomerization domain-2
NP_001186996.1	nucleotide-binding oligomerization domain-containing protein 1
XP_004071770.1	nucleus accumbens-associated protein 1-like
XP_004558545.1	nucleus accumbens-associated protein 1-like isoform X1
XP_003965240.1	nucleus accumbens-associated protein 2-like
XP_003455024.1	nucleus accumbens-associated protein 2-like isoform X1
XP_687957.3	nucleus accumbens-associated protein 2-like isoform X2
XP_005170091.1	nudC domain-containing protein 1 isoform X1
XP_003447321.1	nudC domain-containing protein 1-like
NP_001188122.1	nudc domain-containing protein 2
XP_006797400.1	nudC domain-containing protein 3-like
ABO33471.1	NudE-like protein 1b
XP_005169981.1	nudix-type motif 4 isoform X2
AAT85678.1	Numb
BAD89560.1	numb homolog
ACS91920.1	numb-like protein
AAI00036.1	Nup205 protein
AAH51604.1	Nup50 protein
NP_001038660.1	nurim
AAI15273.1	Nusap1 protein
XP_005167895.1	NXPE family member 3 isoform X1
NP_001070849.1	NXPE family member 3 precursor
XP_004572367.1	NXPE family member 3-like
NP_001071085.1	nyctalopin precursor
XP_006817608.1	O-acetyl-ADP-ribose deacetylase MACROD1-like
NP_999865.1	obg-like ATPase 1 isoform 1
NP_001268915.1	obg-like ATPase 1 isoform 2
XP_001341205.5	obscurin
XP_005172220.1	obscurin-like
XP_003199290.2	obscurin-like 1b isoform X1
XP_005167969.1	obscurin-like 1b isoform X10
XP_005167971.1	obscurin-like 1b isoform X12
ABB29299.1	OCA2
AGR44943.1	occludin, partial
XP_001341204.3	occludin-like isoform X1
ADO28128.1	ocia domain-containing protein 1
AAH67178.1	Ocln protein, partial
NP_001187099.1	Oct1 transcription factor
NP_001187100.1	Oct2 transcription factor
NP_001098262.1	oculocutaneous albinism II
ACX56233.1	odd oz/ten-m3
ABD64539.1	ODF2
NP_571815.1	odorant receptor, family C, subfamily 102, member 1
NP_571814.1	odorant receptor, family C, subfamily 102, member 2
NP_001121886.1	odorant receptor, family E, subfamily 125, member 7
NP_001122045.1	odorant receptor, family F, subfamily 116, member 2
NP_001103787.1	odorant receptor, family H, subfamily 130, member 1
NP_001122051.1	odorant receptor, family H, subfamily 131, member 1
NP_001082920.1	odorant receptor, family H, subfamily 134, member 1
AAH95007.1	Oep protein
XP_005165654.1	olfactomedin 1a isoform X1
XP_005161064.1	olfactomedin 1b isoform X1
NP_001104642.1	olfactomedin 3a precursor
XP_697003.5	olfactomedin-4-like
XP_005796426.1	olfactomedin-like
NP_001119944.1	olfactomedin-like 2A precursor
XP_696310.4	olfactomedin-like 2B isoform X2
XP_005160769.1	olfactomedin-like 2Ba isoform X1
AAI14288.1	Olfactomedin-like 3
XP_006640793.1	olfactomedin-like protein 2A-like
NP_001039322.1	olfactomedin-like protein 3B precursor
NP_001187196.1	olfactory receptor 1
XP_005951158.1	olfactory receptor 11A1-like
XP_005475363.1	olfactory receptor 13C2-like
XP_003200944.2	olfactory receptor 146-like
XP_006627978.1	olfactory receptor 1496-like
NP_001187197.1	olfactory receptor 202
XP_001919585.2	olfactory receptor 2AJ1
XP_005460758.1	olfactory receptor 2B11-like

XP_001921659.1 olfactory receptor 2M3
 XP_003979020.1 olfactory receptor 2T29-like
 AAK14712.1 olfactory receptor 3
 NP_001187198.1 olfactory receptor 47
 XP_005804827.1 olfactory receptor 473-like
 XP_005466205.1 olfactory receptor 4K15-like
 XP_004574478.1 olfactory receptor 51E1-like
 XP_006639823.1 olfactory receptor 52A1-like
 XP_005450570.1 olfactory receptor 52D1-like
 XP_004560690.1 olfactory receptor 52E4-like
 XP_006628022.1 olfactory receptor 52K1-like
 XP_006628014.1 olfactory receptor 52N2-like
 XP_006796753.1 olfactory receptor 52R1-like
 XP_006801670.1 olfactory receptor 56A4-like
 XP_004572062.1 olfactory receptor 6N2-like
 XP_006639761.1 olfactory receptor 8D4-like
 NP_001153312.1 olfactory receptor C family, g1 precursor
 NP_001103759.1 olfactory receptor C family, g2 precursor
 NP_001103760.1 olfactory receptor C family, h1 precursor
 NP_001094425.1 olfactory receptor C family, s2
 NP_001018157.1 olfactory receptor C family, w1
 NP_001124140.1 olfactory receptor class A related 1
 AEB77813.1 olfactory receptor family C subfamily 2 member 2
 AEB77804.1 olfactory receptor family C subfamily 4 member 10
 AEB77809.1 olfactory receptor family C subfamily 4 member 5
 AEB77803.1 olfactory receptor family C subfamily 4 member 9
 ACU68496.1 olfactory receptor family F subfamily 600 member 1
 XP_005922344.1 oligodendrocyte transcription factor 3-like
 XP_005157765.1 oligodendrocyte-myelin glycoprotein-like
 XP_005471967.1 oligodendrocyte-myelin glycoprotein-like isoform X2
 AEX92273.1 oligopeptide transporter PEPT1
 XP_006632886.1 oligophrenin-1-like
 XP_006642281.1 oligoribonuclease, mitochondrial-like
 E9QB17.1 OMA1_DANRE RecName: Full=Metalloendopeptidase OMA1, mitochondrial; AltName: Full=Overlapping with the m-AAA protease 1 homolog; Flags: Precursor
 omega-amidase NIT2
 XP_004606879.1 oncomodulin
 NP_001120120.1 oncoprotein myc
 NP_001187019.1 oncoprotein myc
 XP_003199737.2 oncoprotein-induced transcript 3 protein-like
 XP_005171510.1 oncostatin-M-specific receptor subunit beta-like
 NP_003198724.2 oncostatin-M-specific receptor subunit beta-like isoform X1
 XP_005165725.1 oncostatin-M-specific receptor subunit beta-like isoform X2
 XP_002661005.1 one cut domain family member 2-like
 XP_005158098.1 one cut domain, family member, like isoform X1
 XP_004066451.1 oocyte zinc finger protein XICOF7.1-like
 NP_001184137.1 oocyte-specific F-box protein
 NP_001139092.1 opa interacting protein 5
 O93248.1 OPA1_ONCMA RecName: Full=Dynamin-like 120 kDa protein, mitochondrial; AltName: Full=120 kDa G protein expressed in motor neurons; AltName: Full=Optic atrophy protein 1 homolog; AltName: Full=mG120; Contains: RecName: Full=Dynamin-like 120 kDa protein, form S1; Flags: Precursor
 YP_004048115.1 opacity protein
 XP_005468232.1 O-phosphoserine-tRNA(Sec) selenium transferase-like
 XP_003201204.1 opioid growth factor receptor
 XP_005926216.1 opioid growth factor receptor-like
 EHA98004.1 Opioid growth factor receptor-like protein 1
 CAQ68186.1 opioid receptor delta
 XP_005803622.1 opioid-binding protein/cell adhesion molecule homolog
 XP_005454614.1 opioid-binding protein/cell adhesion molecule homolog isoform X3
 NP_001005580.1 opioid-binding protein/cell adhesion molecule precursor
 XP_006642365.1 opioid-binding protein/cell adhesion molecule-like
 P41590.1 OPSD_ASTFA RecName: Full=Rhodopsin
 NP_001243006.1 opsin 4xa
 NP_001104634.1 opsin-3
 XP_002666449.1 opsin-5
 XP_005814857.1 opsin-5-like
 CAP08011.1 optc
 NP_001073635.1 optic atrophy 3 protein homolog
 NP_001003583.2 opticin precursor
 NP_001093536.2 optineurin
 XP_005165627.1 ORAI calcium release-activated calcium modulator 2 isoform X1
 NP_001077021.1 oral cancer overexpressed 1
 XP_005460088.1 oral-facial-digital syndrome 1 protein homolog
 XP_006788449.1 oral-facial-digital syndrome 1 protein homolog isoform X1
 NP_001073337.1 orexin receptor type 2
 XP_006638920.1 orexin receptor type 2-like
 CAA47913.1 ORF
 AAA83743.1 orf1
 AAA83744.1 orf2

BAE46429.1	ORF2-encoded protein
BAN16579.1	organic solute transporter alpha-1
NP_001188136.1	organic solute transporter subunit alpha
XP_005167141.1	organic solute transporter subunit alpha-like isoform X2
NP_956227.1	origin recognition complex subunit 1
XP_006636793.1	origin recognition complex subunit 2-like
ACN58673.1	Origin recognition complex subunit 3
XP_003453276.1	origin recognition complex subunit 3-like
ACO09133.1	Origin recognition complex subunit 4
XP_005168754.1	origin recognition complex subunit 4 isoform X1
NP_998363.1	origin recognition complex subunit 5
XP_006535779.1	origin recognition complex subunit 5 isoform X2
NP_997836.1	origin recognition complex subunit 6
XP_002195267.2	ORM1-like protein 1
ACO13481.1	ORM1-like protein 2
XP_007125744.1	ORM1-like protein 2 isoform X2
ERE68317.1	ORM1-like protein 3
CBN81554.1	Ornithine aminotransferase, mitochondrial
XP_701334.3	ornithine aminotransferase, mitochondrial isoform 2
XP_006791128.1	ornithine aminotransferase, mitochondrial-like
XP_001334671.1	ornithine carbamoyltransferase, mitochondrial
AFH66780.1	ornithine decarboxylase 1a
AFH66781.1	ornithine decarboxylase 1b
XP_006128100.1	ornithine decarboxylase antizyme 2
NP_001136252.1	ornithine decarboxylase antizyme AZL
NP_001243653.1	orphan sodium- and chloride-dependent neurotransmitter transporter NTT4
NP_001232001.1	orphan sodium- and chloride-dependent neurotransmitter transporter NTT73
NP_001057680.2	Os06g0493000
NP_001061072.1	Os08g0164800
AAI62978.1	Osbp1a protein
AAI09474.1	O-sialoglycoprotein endopeptidase-like 1
NP_001014362.1	osteoclast stimulatory transmembrane protein
XP_005741818.1	osteoclast-stimulating factor 1-like
XP_003449914.1	osteopetrosis-associated transmembrane protein 1-like
XP_001339505.4	otoancorin-like
XP_001345586.4	otoancorin-like isoform X1
XP_005158081.1	otoancorin-like isoform X2
XP_005990971.1	otoferlin
XP_005160763.1	otoferlin isoform X3
XP_002665307.3	otoferlin-like
XP_005284166.1	otoferlin-like isoform X1
XP_006625878.1	otoferlin-like isoform X2
XP_683212.6	otogelin-like
XP_006633664.1	otogelin-like protein-like
NP_001093211.1	otolin-1-A precursor
AAH76449.1	Otmp protein, partial
Q7ZWK8.2	OTOP1_DANRE RecName: Full=Otopetrin-1
XP_001338079.4	otopetrin-2
XP_003964739.1	otopetrin-2-like
XP_006635499.1	otopetrin-3-like
XP_005727555.1	otoraplin-like
XP_003201357.1	otospiralin-like
NP_001159487.1	OTU deubiquitinase with linear linkage specificity b
XP_005162641.1	OTU domain-containing protein 1-like
NP_998087.1	OTU domain-containing protein 3
XP_005174208.1	OTU domain-containing protein 4 isoform X3
XP_006806174.1	OTU domain-containing protein 4-like
ADO28104.1	otu domain-containing protein 6b
XP_004700095.1	OTU domain-containing protein 7A
XP_003201514.2	OTU domain-containing protein 7A-like
XP_003443192.1	OTU domain-containing protein 7B isoform X1
XP_005158444.1	OTU domain-containing protein 7B isoform X2
NP_001188227.1	otubain 1
XP_700455.3	out at first protein homolog
XP_700454.3	out at first protein homolog isoform X2
NP_001017836.1	outer dense fiber of sperm tails 3-like 2
ELW61996.1	Outer dense fiber protein 2
ADO28103.1	outer dense fiber protein 3
XP_006824889.1	ovarian abundant message protein-like
XP_001339588.2	ovarian cancer G-protein coupled receptor 1-like
AAAS93680.1	ovary-specific C1q-like factor
XP_004069555.1	overexpressed in colon carcinoma 1 protein homolog
XP_006642683.1	ovochoymase-2-like
EPY77908.1	oxidation resistance protein 1 isoform 1
XP_005158594.1	oxidation resistance protein 1-like isoform X1
AFK08734.1	oxidation resistance protein 2 variant B
XP_698823.3	oxidative stress-induced growth inhibitor 2
AAH44183.1	Oxidative-stress responsive 1b
NP_001187581.1	oxidoreductase htatip2

NP_001187874.1	oxidoreductase nad-binding domain-containing protein 1
XP_001335873.1	oxidoreductase-like domain-containing protein 1-like isoform X1
NP_957073.2	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
XP_005172525.1	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) isoform X1
XP_687615.2	oxoglutarate dehydrogenase-like
XP_005163510.1	oxygen-regulated protein 1-like
NP_001004646.1	oxysterol binding protein-like 3a
XP_005170085.1	oxysterol binding protein-like 3a isoform X1
XP_005160192.1	oxysterol-binding protein 1 isoform X1
XP_005160193.1	oxysterol-binding protein 1 isoform X2
XP_001342736.3	oxysterol-binding protein 1-like
NP_001116220.1	oxysterol-binding protein 2
XP_004072642.1	oxysterol-binding protein 2-like
XP_005722208.1	oxysterol-binding protein 2-like isoform X2
XP_005990820.1	oxysterol-binding protein-related protein 1
XP_005161780.1	oxysterol-binding protein-related protein 1 isoform X1
XP_005158299.1	oxysterol-binding protein-related protein 10 isoform X3
XP_002667849.3	oxysterol-binding protein-related protein 10-like
XP_689013.3	oxysterol-binding protein-related protein 11
ELW61619.1	Oxysterol-binding protein-related protein 11, partial
XP_005721425.1	oxysterol-binding protein-related protein 1-like
XP_004572226.1	oxysterol-binding protein-related protein 1-like isoform X2
NP_956166.1	oxysterol-binding protein-related protein 2
XP_005162004.1	oxysterol-binding protein-related protein 2 isoform X1
XP_005158031.1	oxysterol-binding protein-related protein 3 isoform X1
XP_005158032.1	oxysterol-binding protein-related protein 3 isoform X2
XP_005804705.1	oxysterol-binding protein-related protein 3-like isoform X3
XP_001345022.3	oxysterol-binding protein-related protein 5 isoform X1
XP_005803287.1	oxysterol-binding protein-related protein 5-like isoform X1
XP_005172564.1	oxysterol-binding protein-related protein 6 isoform X1
XP_005452957.1	oxysterol-binding protein-related protein 6 isoform X4
XP_002918871.1	oxysterol-binding protein-related protein 6-like
XP_005921513.1	oxysterol-binding protein-related protein 6-like isoform X2
XP_005171726.1	oxysterol-binding protein-related protein 8-like
XP_005801220.1	oxysterol-binding protein-related protein 8-like isoform X1
NP_001071273.1	oxysterol-binding protein-related protein 9
XP_005166955.1	oxysterol-binding protein-related protein 9 isoform X2
XP_005806410.1	oxysterol-binding protein-related protein 9-like isoform X1
NP_001017545.1	oxysterols receptor LXR-alpha
XP_003222765.1	oxysterols receptor LXR-beta
NP_001186298.1	oxytocin receptor like
XP_005166179.1	oxytocin receptor-like isoform X2
XP_695807.5	P protein
AGV05019.1	P/Q-type calcium channel alpha 1A subunit
ABG46348.1	p21-activated kinase 2
XP_005170416.1	p21-activated kinase 2b isoform X1
XP_005170417.1	p21-activated kinase 2b isoform X2
ADO28286.1	p21-activated protein kinase-interacting protein 1-like
AAI62600.1	P2rx3a protein
AAI62598.1	P2rx5 protein
NP_945333.1	P2X purinoceptor 1
XP_004561718.1	P2X purinoceptor 1-like isoform X1
NP_945337.2	P2X purinoceptor 3
NP_001133676.1	P2X purinoceptor 4
XP_006641067.1	P2X purinoceptor 5-like
NP_001191383.1	P2Y purinoceptor 11
XP_002664563.1	P2Y purinoceptor 13-like
XP_001922302.4	P2Y purinoceptor 14-like
XP_005166270.1	P2Y purinoceptor 1-like
XP_004558705.1	P2Y purinoceptor 2-like
XP_001332886.1	P2Y purinoceptor 2-like isoform X1
XP_694459.2	P2Y purinoceptor 3-like
XP_005173325.1	P2Y purinoceptor 4
XP_006640634.1	P2Y purinoceptor 4-like
NP_001134599.1	P2Y purinoceptor 5
XP_694859.3	P2Y purinoceptor 8
NP_001135386.1	P3 protein precursor
P79745.1	P3F3B_DANRE RecName: Full=POU domain, class 3, transcription factor 3-B; AltName: Full=Brain-specific homeobox/POU domain protein 1.0; Short=Brain-1.0; Short=zfBrn-1.0; AltName: Full=POU domain protein 1; Short=ZFPOU1; AltName: Full=POU domain protein 23; Short=ZP-23
NP_001187092.1	P450 aromatase
Q6P964.2	P4R2A_DANRE RecName: Full=Serine/threonine-protein phosphatase 4 regulatory subunit 2-A
NP_001187557.1	p53 apoptosis effector related to PMP-22 precursor
NP_001013370.1	p53-induced protein
XP_699677.5	p53-induced protein with a death domain
XP_003967744.1	p53-induced protein with a death domain-like
XP_005170502.1	p66 alpha isoform X2

XP_005170504.1 p66 alpha isoform X4
 NP_001107893.1 p90 autoantigen
 XP_005162765.1 p90 autoantigen isoform X1
 XP_001920000.4 PAB-dependent poly(A)-specific ribonuclease subunit 2-like isoform X1
 XP_005162402.1 PAB-dependent poly(A)-specific ribonuclease subunit 2-like isoform X2
 XP_005919004.1 PAB-dependent poly(A)-specific ribonuclease subunit 2-like isoform X3
 XP_005162404.1 PAB-dependent poly(A)-specific ribonuclease subunit 2-like isoform X4
 XP_005912284.1 PAB-dependent poly(A)-specific ribonuclease subunit 3-like isoform X1
 XP_006794620.1 PAB-dependent poly(A)-specific ribonuclease subunit 3-like isoform X2
 AAH62832.1 Pabpc1a protein, partial
 NP_956876.1 pachytene checkpoint protein 2 homolog
 XP_005170182.1 pachytene checkpoint protein 2 homolog isoform X1
 NP_001091650.1 paired amphipathic helix protein Sin3a
 XP_006087962.1 paired amphipathic helix protein Sin3a isoform X1
 XP_006629139.1 paired amphipathic helix protein Sin3a-like
 NP_001038410.1 paired amphipathic helix protein Sin3b
 XP_004068426.1 paired amphipathic helix protein Sin3b-like
 XP_004555157.1 paired amphipathic helix protein Sin3b-like isoform X2
 XP_005930977.1 paired amphipathic helix protein Sin3b-like isoform X3
 CCP46786.1 paired box 10
 NP_001232009.2 paired box 4
 XP_005169555.1 paired box gene 2b isoform X1
 NP_001139621.1 paired box gene 7b
 AEV53628.1 paired box protein 7
 CDJ90696.1 Paired box protein and Transposase domain containing protein
 AGO18319.1 paired box protein Pax 8
 XP_700877.6 paired box protein Pax-1
 XP_006626262.1 paired box protein Pax-1-like
 AAD19291.1 paired box protein pax2.1 splice variant
 XP_005156794.1 paired box protein Pax-2a isoform X4
 XP_005156795.1 paired box protein Pax-2a isoform X5
 XP_005520612.1 paired box protein Pax-2-A isoform X5
 XP_006791150.1 paired box protein Pax-2a-like
 XP_002913953.1 paired box protein Pax-2-like
 NP_571352.1 paired box protein Pax-3
 XP_005163601.1 paired box protein Pax-3 isoform X4
 XP_005163604.1 paired box protein Pax-3 isoform X7
 NP_571713.1 paired box protein Pax-5
 XP_005999963.1 paired box protein Pax-5 isoform X1
 XP_005170980.1 paired box protein Pax-5 isoform X2
 XP_003452256.1 paired box protein Pax-5-like isoformX3
 XP_006805832.1 paired box protein Pax-6-like
 XP_004603438.1 paired box protein Pax-7 isoform X1
 XP_005944017.1 paired box protein Pax-7-like
 NP_571373.1 paired box protein Pax-9
 XP_006798904.1 paired box protein Pax-9-like
 NP_956344.1 paired mesoderm homeobox 1b
 XP_005690755.1 paired mesoderm homeobox protein 1
 XP_004451590.1 paired mesoderm homeobox protein 1 isoform 1
 NP_001014818.1 paired mesoderm homeobox protein 2B
 AHH83733.1 paired related homeobox 1a, partial
 AHH83735.1 paired related homeobox 1b splice variant 2, partial
 NP_001116492.1 paired-like homeobox 2b
 NP_942106.1 paladin
 XP_003961217.1 paladin-like
 XP_005919636.1 paladin-like isoform X1
 XP_004561300.1 paladin-like isoform X2
 XP_005160598.1 palladin isoform X3
 XP_005810000.1 palladin-like
 XP_005162893.1 palmdelphin isoform X1
 XP_005162894.1 palmdelphin isoform X2
 XP_005159823.1 palmitoyl-protein thioesterase 1 isoform X1
 NP_001071249.1 palmitoyltransferase ZDHHC15
 XP_006633596.1 palmitoyltransferase ZDHHC17-like
 NP_001187817.1 palmitoyltransferase zdhhc2
 XP_006629799.1 palmitoyltransferase ZDHHC21-like
 XP_005173776.1 palmitoyltransferase ZDHHC3 isoform X1
 XP_006635604.1 palmitoyltransferase ZDHHC3-like
 XP_003207293.1 palmitoyltransferase ZDHHC3-like isoform 1
 XP_006630836.1 palmitoyltransferase ZDHHC6-like
 NP_001002602.1 palmitoyltransferase ZDHHC7
 NP_001103496.1 palmitoyltransferase ZDHHC9
 XP_006000324.1 pancreas transcription factor 1 subunit alpha
 XP_005751190.1 pancreas transcription factor 1 subunit alpha-like
 NP_001140118.1 pancreas/duodenum homeobox protein 1
 XP_006634941.1 pancreatic alpha-amylase-like
 BAM36698.1 pancreatic progenitor cell differentiation and proliferation factor
 XP_001336393.2 pancreatic secretory granule membrane major glycoprotein GP2-like isoform X1
 NP_001140094.1 Pancreatic secretory trypsin inhibitor precursor

XP_005483787.1 pancreatic secretory trypsin inhibitor-like
 NP_001187813.1 pancreatic triacylglycerol lipase precursor
 NP_957210.1 pannexin-1
 NP_001077310.1 pantothenate kinase 1
 XP_004915939.1 pantothenate kinase 1 isoform X3
 NP_001074075.2 pantothenate kinase 2, mitochondrial
 XP_005158562.1 pantothenate kinase 3 isoform X1
 XP_005155852.1 pantothenate kinase 4 isoform X1
 XP_003369202.1 Pao retrotransposon peptidase family protein
 XP_697115.1 PAP-associated domain-containing protein 5
 XP_003416325.1 PAP-associated domain-containing protein 5-like
 XP_003199322.1 papilin isoform 2
 XP_005169942.1 papilin isoform X2
 XP_005169947.1 papilin isoform X7
 XP_005810725.1 papilin-like
 XP_005946963.1 papilin-like isoform X1
 XP_006640779.1 pappalysin-1-like
 XP_695417.4 pappalysin-2
 XP_006634782.1 pappalysin-2-like
 NP_001124131.1 par-6 family cell polarity regulator gamma a
 XP_003975809.1 parafibromin-like
 ACO13501.1 Para-hydroxybenzoate--polyprenyltransferase, mitochondrial precursor
 XP_005156008.1 paralemmin-1 isoform X1
 XP_005156009.1 paralemmin-1 isoform X2
 NP_001191185.1 paralemmin-2
 XP_002664081.2 paramyosin-like
 XP_005450857.1 paraneoplastic antigen Ma1 homolog
 XP_005952725.1 paraneoplastic antigen Ma2 homolog, partial
 XP_005815411.1 paraneoplastic antigen Ma2-like
 XP_004546498.1 paraneoplastic antigen-like protein 5-like
 NP_001133464.1 Para-nitrobenzyl esterase
 NP_001187002.1 parapinopsin
 XP_002666709.2 parapinopsin-like
 XP_006941869.1 paraplegin isoform X3
 XP_004067180.1 paraplegin-like
 NP_001038723.1 paraspeckle component 1
 NP_998114.1 parathyroid hormone 1b
 NP_991140.1 parathyroid hormone 2 precursor
 NP_571452.1 parathyroid hormone 2 receptor
 XP_005167718.1 parathyroid hormone 2 receptor isoform X1
 XP_005752789.1 parathyroid hormone 2 receptor-like
 NP_571432.1 parathyroid hormone/parathyroid hormone-related peptide receptor precursor
 AGS58250.1 parathyroid hormone-related peptide receptor-like protein, partial
 XP_005168568.1 parathyroid hormone-related protein isoform X1
 ACO09629.1 Parkin
 NP_001134533.1 parkin co-regulated gene protein
 XP_003440516.1 Parkinson disease 7 domain-containing protein 1-like
 Q7ZU92.2 PARN_DANRE RecName: Full=Poly(A)-specific ribonuclease PARN; AltName: Full=Polyadenylate-specific ribonuclease
 AA168466.1 Parp12a protein
 CBN81751.1 Partitioning defective 3 homolog
 XP_690638.6 partitioning defective 3 homolog B
 XP_005160345.1 partitioning defective 3 homolog B-like isoform X1
 XP_006036431.1 partitioning defective 3 homolog B-like, partial
 XP_006642939.1 partitioning defective 3 homolog isoform X2
 XP_006642940.1 partitioning defective 3 homolog isoform X3
 XP_006642941.1 partitioning defective 3 homolog isoform X4
 XP_005994886.1 partitioning defective 3 homolog isoform X6
 ELW70818.1 Partitioning defective 3 like protein B
 XP_004556325.1 partitioning defective 6 homolog alpha-like
 XP_003457022.1 partitioning defective 6 homolog beta-like
 NP_997728.1 partitioning defective 6 homolog gamma
 XP_001919766.3 partner and localizer of BRCA2
 XP_006794148.1 partner of Y14 and mago A-like
 AAO25757.1 parvalbumin
 NP_891983.1 parvalbumin 9
 XP_004080200.1 parvalbumin alpha-like isoform 1
 NP_001134150.1 Parvalbumin, thymic
 XP_003443184.1 parvalbumin-7-like isoform X1
 XP_005464931.1 parvalbumin-7-like isoform X2
 XP_003197983.1 PAS domain-containing serine/threonine-protein kinase isoform X1
 XP_006637824.1 PAS domain-containing serine/threonine-protein kinase-like
 BAK20043.1 patathyroid hormone receptor
 NP_001074124.1 patatin-like phospholipase domain containing 7a
 XP_692276.5 patatin-like phospholipase domain containing 7b isoform X2
 NP_001002338.1 patatin-like phospholipase domain-containing protein 2
 XP_005475636.1 patatin-like phospholipase domain-containing protein 2-like isoform X2
 ADO28320.1 patatin-like phospholipase domain-containing protein 4
 XP_004075017.1 patatin-like phospholipase domain-containing protein 7-like

XP_690754.1	patched domain-containing protein 1
XP_005160803.1	patched domain-containing protein 1 isoform X2
XP_003977352.1	patched domain-containing protein 1-like
XP_003199198.2	patched domain-containing protein 2, partial
XP_005457503.1	patched domain-containing protein 2-like
XP_006634184.1	patched domain-containing protein 3-like
CAB39726.1	patched-2 protein
XP_004439311.1	paternally-expressed gene 3 protein-like
XP_006628302.1	PAX3- and PAX7-binding protein 1-like
CAA68838.1	PAX-6 protein
NP_001005929.1	PAX-interacting protein 1
XP_006634581.1	PAX-interacting protein 1-like
XP_006805815.1	PAXIP1-associated glutamate-rich protein 1-like
AAI62583.1	Pc protein
XP_005159951.1	PC4 and SFRS1 interacting protein 1 isoform X2
XP_003972497.1	PC4 and SFRS1-interacting protein-like
AAI62531.1	Pcdh1a3 protein
AAI62593.1	Pcdh2ab12 protein
AAI62447.1	Pcdh2g8 protein
ADO28058.1	pci domain-containing protein 2
EMP31934.1	PCI domain-containing protein 2, partial
ADO28218.1	PCNA-associated factor
NP_001035470.2	PCNA-interacting partner
XP_006780943.1	PCNA-interacting partner-like
XP_005475950.1	PCNA-interacting partner-like isoform X2
NP_991209.1	PCTP-like protein
XP_006627904.1	PCTP-like protein-like
AAH92732.1	Pdc2 protein, partial
AAH78289.1	Pdgfaa protein
AAI06671.1	Pdha1-B-prov protein
Q66HY8.1	PDXD1_DANRE RecName: Full=Pyridoxal-dependent decarboxylase domain-containing protein 1
XP_005165084.1	PDZ and LIM domain 5a isoform X2
NP_001017870.1	PDZ and LIM domain protein 1
XP_006625533.1	PDZ and LIM domain protein 2-like
NP_001187476.1	pdz and lim domain protein 3
XP_006006179.1	PDZ and LIM domain protein 3 isoform X1
XP_005467988.1	PDZ and LIM domain protein 7-like
XP_005171958.1	PDZ domain containing 3 isoform X1
ACU68552.1	PDZ domain containing protein 7b, partial
NP_001133562.1	PDZ domain-containing protein 1
NP_998122.1	PDZ domain-containing protein 11
XP_003198698.2	PDZ domain-containing protein 2 isoform X1
XP_005165451.1	PDZ domain-containing protein 2 isoform X2
XP_005165452.1	PDZ domain-containing protein 2 isoform X3
XP_007069496.1	PDZ domain-containing protein 2-like
XP_689032.4	PDZ domain-containing protein 4
NP_001177686.1	PDZ domain-containing protein 7
XP_005156673.1	PDZ domain-containing protein 7 isoform X1
XP_689774.4	PDZ domain-containing protein 8
XP_006630521.1	PDZ domain-containing protein 8-like
NP_001004018.1	PDZ domain-containing protein GIPC1
XP_004555298.1	PDZ domain-containing protein GIPC1-like
NP_001038783.1	PDZ domain-containing protein GIPC3
XP_006639965.1	PDZ domain-containing protein GIPC3-like
NP_001243321.1	PDZ domain-containing RING finger protein 3
XP_005451054.1	PDZ domain-containing RING finger protein 4-like isoform X2
AAH66500.1	Pea3 protein
XP_001923995.2	pecanex-like protein 1 isoform X1
XP_005157080.1	pecanex-like protein 1 isoform X2
XP_005934072.1	pecanex-like protein 1-like
XP_005477523.1	pecanex-like protein 1-like isoform X4
XP_005156984.1	pecanex-like protein 2 isoform X1
XP_690089.4	pecanex-like protein 2 isoform X3
XP_005930567.1	pecanex-like protein 2-like isoform X3
XP_004564112.1	pecanex-like protein 3-like isoform X3
NP_001003643.1	peflin
XP_001340677.2	pejvakin-like
XP_005164811.1	pendrin isoform X1
XP_003963220.1	pendrin-like
AAH90311.1	Penk protein, partial
NP_001032449.1	pentatricopeptide repeat domain-containing protein 3, mitochondrial precursor
XP_006629773.1	pentatricopeptide repeat domain-containing protein 3, mitochondrial-like
XP_004563658.1	pentatricopeptide repeat domain-containing protein 3, mitochondrial-like isoform X1
ELK11628.1	Pentatricopeptide repeat-containing protein 1
XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
NP_001017612.1	pentatricopeptide repeat-containing protein 2, mitochondrial
NP_001117143.1	pentraxin precursor
XP_694358.3	pentraxin-related protein PTX3

XP_005159288.1	pentraxin-related protein PTX3-like
ADO27975.1	pepsin A
NP_001187944.1	pepsin A precursor
CBN81179.1	Pepsinogen 1
NP_001153449.1	peptidase inhibitor 15-A precursor
XP_002926355.1	peptidase inhibitor 15-like
XP_004573282.1	peptidase inhibitor 16-like
XP_005044119.1	peptidase M20 domain-containing protein 2
XP_004071101.1	peptidase M20 domain-containing protein 2-like
XP_003963918.1	peptide chain release factor 1-like, mitochondrial-like
NP_001028902.1	peptide deformylase, mitochondrial
ACO08867.1	Peptide methionine sulfoxide reductase msrB
ACI49693.2	peptide transporter
NP_001018437.1	peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase
NP_001167083.1	Peptide-N4-N-acetyl-beta-D-glucosaminyasparagine amidase F precursor
ADX31896.1	peptidoglycan recognition protein 5
AGF29403.1	peptidoglycan recognition protein L1
XP_005155562.1	peptidyl-glycine alpha-amidating monooxygenase A isoform X2
XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A isoform X3
XP_004085119.1	peptidyl-glycine alpha-amidating monooxygenase B-like, partial
XP_006626925.1	peptidyl-glycine alpha-amidating monooxygenase-like
XP_002667876.2	peptidyl-prolyl cis-trans isomerase C-like
NP_957397.1	peptidyl-prolyl cis-trans isomerase CWC27 homolog
XP_005155652.1	peptidyl-prolyl cis-trans isomerase CWC27 homolog isoform X1
NP_001002065.1	peptidyl-prolyl cis-trans isomerase D
EPO05553.1	Peptidyl-prolyl cis-trans isomerase E
XP_004566608.1	peptidyl-prolyl cis-trans isomerase E-like isoform X1
XP_004561318.1	peptidyl-prolyl cis-trans isomerase F, mitochondrial-like
NP_001122138.1	peptidyl-prolyl cis-trans isomerase FKBP10
XP_006638314.1	peptidyl-prolyl cis-trans isomerase FKBP10-like
XP_006635820.1	peptidyl-prolyl cis-trans isomerase FKBP14-like
NP_001188070.1	peptidyl-prolyl cis-trans isomerase FKBP2 precursor
XP_004070089.1	peptidyl-prolyl cis-trans isomerase FKBP4-like
NP_998314.1	peptidyl-prolyl cis-trans isomerase FKBP5
XP_005166078.1	peptidyl-prolyl cis-trans isomerase FKBP5 isoform X1
NP_001122145.1	peptidyl-prolyl cis-trans isomerase FKBP6
NP_001004506.1	peptidyl-prolyl cis-trans isomerase FKBP7 precursor
NP_957178.1	peptidyl-prolyl cis-trans isomerase FKBP8
XP_004703816.1	peptidyl-prolyl cis-trans isomerase G
XP_005800156.1	peptidyl-prolyl cis-trans isomerase H-like
XP_003457802.1	peptidyl-prolyl cis-trans isomerase NIMA-interacting 1-like
XP_004073449.1	peptidyl-prolyl cis-trans isomerase NIMA-interacting 4-like
NP_001187968.1	peptidyl-prolyl cis-trans isomerase-like 1
NP_957285.2	peptidyl-prolyl cis-trans isomerase-like 2
XP_004555706.1	peptidyl-prolyl cis-trans isomerase-like 2-like
NP_001002146.1	peptidyl-prolyl cis-trans isomerase-like 3
XP_006115085.1	peptidyl-prolyl cis-trans isomerase-like 4
NP_001244035.1	peptidylprolyl isomerase A
NP_001092228.1	peptidylprolyl isomerase domain and WD repeat-containing protein 1
NP_001167299.1	Peptidylprolyl isomerase-like 5
NP_001025446.1	peptidyl-tRNA hydrolase domain containing 1
XP_003963446.1	peregrin-like isoform 2
ERE66962.1	peregrin-like protein
BAJ07835.1	perforin 1
BAJ07836.1	perforin 2
NP_001128319.1	perforin precursor
ACI33201.1	Perforin-1 precursor
XP_697920.2	perforin-1-like
XP_005726311.1	perforin-1-like isoform X2
XP_005165862.1	pericentrin isoform X2
XP_005165863.1	pericentrin isoform X3
XP_005168383.1	pericentriolar material 1 protein isoform X1
XP_005168392.1	pericentriolar material 1 protein isoform X10
XP_005168387.1	pericentriolar material 1 protein isoform X5
XP_005168389.1	pericentriolar material 1 protein isoform X7
XP_005168391.1	pericentriolar material 1 protein isoform X9
XP_006629832.1	perilipin-2-like
XP_005060938.1	perilipin-4-like
AD171975.1	period 1
CAQ86911.1	period 2 circadian protein
ADL62690.1	period 2, partial
NP_878277.1	period circadian protein homolog 2
XP_006642068.1	period circadian protein homolog 2-like
NP_571659.1	period circadian protein homolog 3
AAI63718.1	Period homolog 1b (Drosophila)
XP_005725339.1	periodic tryptophan protein 1 homolog
NP_998212.1	periodic tryptophan protein 2 homolog
XP_002663594.2	periostin
NP_981966.1	periostin isoform 2 precursor

XP_005482493.1 periostin isoform X2
 XP_005796925.1 periostin-like
 XP_005164496.1 peripheral myelin protein 22a isoform X1
 NP_001035445.1 peripheral myelin protein 22b
 NP_694420.1 peripheral plasma membrane protein CASK
 XP_006015703.1 peripheral plasma membrane protein CASK isoform X1
 XP_007102970.1 peripheral plasma membrane protein CASK isoform X7
 ETE60847.1 Peripheral plasma membrane protein CASK, partial
 XP_003966469.1 peripheral plasma membrane protein CASK-like
 XP_004066640.1 peripheral plasma membrane protein CASK-like isoform 3
 XP_006795730.1 peripheral plasma membrane protein CASK-like isoform X1
 XP_005745583.1 peripheral plasma membrane protein CASK-like isoform X12
 XP_005731002.1 peripheral plasma membrane protein CASK-like isoform X2
 XP_005475303.1 peripheral plasma membrane protein CASK-like isoform X4
 XP_005475304.1 peripheral plasma membrane protein CASK-like isoform X5
 XP_006641052.1 peripheral-type benzodiazepine receptor-associated protein 1-like
 XP_006799640.1 peripheral-type benzodiazepine receptor-associated protein 1-like isoform X1
 XP_005737840.1 peripheral-type benzodiazepine receptor-associated protein 1-like isoform X12
 NP_571642.1 peripherin 2b (retinal degeneration, slow)
 XP_006629379.1 peripherin-like
 NP_001073549.1 periphilin-1
 XP_005164723.1 periphilin-1 isoform X1
 XP_005164160.1 perioplakin isoform X1
 XP_005462920.1 perioplakin isoform X2
 XP_006626463.1 peroxidasin homolog
 XP_004570003.1 peroxidasin-like isoform X1
 AGU16435.1 peroxiredoxin 1
 XP_006628063.1 peroxiredoxin-4-like
 XP_003450524.1 peroxiredoxin-5, mitochondrial-like
 NP_001187160.1 peroxiredoxin-6
 NP_998486.1 peroxisomal 2,4-dienoyl-CoA reductase
 XP_006637144.1 peroxisomal 2,4-dienoyl-CoA reductase-like
 NP_001187475.1 peroxisomal 3-ketoacyl-CoA thiolase A
 NP_001007420.1 peroxisomal acyl-CoA thioesterase 2b like 3
 NP_998312.1 peroxisomal acyl-coenzyme A oxidase 3
 NP_996951.1 peroxisomal bifunctional enzyme
 NP_001188055.1 peroxisomal biogenesis factor 3
 NP_001018161.1 peroxisomal carnitine O-octanoyltransferase
 XP_004541390.1 peroxisomal carnitine O-octanoyltransferase-like isoform X1
 XP_005163269.1 peroxisomal coenzyme A diphosphatase NUDT7-like isoform X2
 NP_001122182.1 peroxisomal leader peptide-processing protease
 NP_001167070.1 peroxisomal Lon protease homolog 2
 NP_001096590.1 peroxisomal membrane protein 11A
 XP_003455279.1 peroxisomal membrane protein 11B-like isoform X1
 NP_001025343.1 peroxisomal membrane protein 11C
 NP_001004607.1 peroxisomal membrane protein 2
 XP_004068759.1 peroxisomal membrane protein 4-like
 NP_956939.1 peroxisomal membrane protein PEX13
 XP_688421.5 peroxisomal membrane protein PEX14 isoform X2
 XP_006642734.1 peroxisomal membrane protein PEX16-like
 XP_006637402.1 peroxisomal membrane protein PMP34-like
 XP_001922909.3 peroxisomal membrane protein PMP34-like isoform X1
 XP_005171715.1 peroxisomal membrane protein PMP34-like isoform X2
 XP_690593.2 peroxisomal N(1)-acetyl-spermine/spermidine oxidase
 XP_006900747.1 peroxisomal NADH pyrophosphatase NUDT12-like
 XP_005173531.1 peroxisomal targeting signal 1 receptor isoform X1
 XP_006112797.1 peroxisomal targeting signal 2 receptor
 XP_004561139.1 peroxisomal targeting signal 2 receptor-like isoform X5
 ACO13897.1 Peroxisomal trans-2-enoyl-CoA reductase
 XP_004079064.1 peroxisomal trans-2-enoyl-CoA reductase-like
 XP_001332652.5 peroxisome assembly factor 2
 XP_006638541.1 peroxisome assembly factor 2-like
 NP_001187888.1 peroxisome assembly protein 12
 NP_956214.1 peroxisome assembly protein 26
 XP_003200668.1 peroxisome biogenesis factor 1
 NP_001005994.1 peroxisome biogenesis factor 10
 XP_684073.2 peroxisome biogenesis factor 2
 ACM78031.1 peroxisome proliferator activated receptor alpha b
 ACF70732.1 peroxisome proliferator activated receptor gamma
 AGT02097.1 peroxisome proliferator activated receptor gamma, partial
 ACI42381.1 peroxisome proliferator-activated receptor alpha
 NP_571543.1 peroxisome proliferator-activated receptor delta b
 XP_003199944.2 peroxisome proliferator-activated receptor gamma coactivator 1-alpha
 XP_001338236.3 peroxisome proliferator-activated receptor gamma coactivator-related protein 1
 XP_003441136.1 peroxisome proliferator-activated receptor gamma coactivator-related protein 1-like
 XP_001919939.4 PERQ amino acid-rich with GYF domain-containing protein 1-like
 XP_005172689.1 PERQ amino acid-rich with GYF domain-containing protein 1-like isoform X2
 NP_001025332.1 PERQ amino acid-rich with GYF domain-containing protein 2
 XP_004542753.1 PERQ amino acid-rich with GYF domain-containing protein 2-like isoform X2

XP_004072655.1	pescadillo homolog
XP_005165094.1	pescadillo isoform X1
AAH56815.1	Pex19 protein
XP_685057.5	PEX5-related protein
XP_002660749.3	PEX5-related protein-like
XP_006803374.1	PEX5-related protein-like isoform X1
AAH74083.1	Pfdn2 protein
AAH65888.1	Pgk1 protein
XP_005156971.1	PH and SEC7 domain-containing protein 1 isoform X1
XP_005169554.1	PH and SEC7 domain-containing protein 1-like
XP_005811183.1	PH and SEC7 domain-containing protein 2-like
XP_685305.2	PH and SEC7 domain-containing protein 2-like isoform X2
XP_001922171.2	PH and SEC7 domain-containing protein 3 isoform X1
XP_005499148.1	PH and SEC7 domain-containing protein 3-like isoform X1
XP_001920722.4	PH and SEC7 domain-containing protein 4-like
NP_001093612.1	PH domain and leucine rich repeat protein phosphatase 2
XP_005476426.1	PH domain leucine-rich repeat protein phosphatase 1-like
XP_004079419.1	PH domain leucine-rich repeat-containing protein phosphatase 1-like
XP_002664145.2	PH domain leucine-rich repeat-containing protein phosphatase 2-like
XP_004543161.1	PH domain leucine-rich repeat-containing protein phosphatase 2-like isoform X1
XP_005741666.1	PH domain leucine-rich repeat-containing protein phosphatase 2-like isoform X3
AAH44345.1	Phc2 protein
XP_002666914.2	PHD and RING finger domain-containing protein 1 isoform X1
XP_004563453.1	PHD and RING finger domain-containing protein 1-like
XP_005471054.1	PHD and RING finger domain-containing protein 1-like isoform X1
NP_956949.3	PHD finger protein 10
XP_006638471.1	PHD finger protein 10-like
XP_001919955.3	PHD finger protein 12
XP_003201700.1	PHD finger protein 13-like
XP_005159746.1	PHD finger protein 14 isoform X3
XP_005159747.1	PHD finger protein 14 isoform X4
XP_005754592.1	PHD finger protein 14-like, partial
NP_001121998.1	PHD finger protein 19
XP_005166909.1	PHD finger protein 19 isoform X1
XP_002665057.3	PHD finger protein 1-like
NP_001004114.1	PHD finger protein 20, b
XP_005162050.1	PHD finger protein 20, b isoform X1
XP_005158241.1	PHD finger protein 20-like 1 isoform X7
XP_005174337.1	PHD finger protein 21A isoform X1
XP_005169085.1	PHD finger protein 21A isoform X2
XP_006026992.1	PHD finger protein 21A isoform X5
XP_693915.3	PHD finger protein 21A isoform X9
XP_005171766.1	PHD finger protein 21B-like isoform X1
XP_005734216.1	PHD finger protein 21B-like isoform X4
XP_004571247.1	PHD finger protein 23B-like
XP_005157087.1	PHD finger protein 3 isoform X1
XP_005173255.1	PHD finger protein 6 isoform X1
XP_005460528.1	PHD finger protein 6-like isoform X2
XP_004557634.1	PHD finger-like domain-containing protein 5A-like
ADO28091.1	phenazine biosynthesis-like domain-containing protein 2
XP_006004432.1	phenylalanine-4-hydroxylase-like
XP_006780948.1	phenylalanine-4-hydroxylase-like isoform X2
XP_004562971.1	phenylalanine--tRNA ligase alpha subunit-like
XP_005738406.1	phenylalanine--tRNA ligase beta subunit-like
XP_005162537.1	phenylalanine--tRNA ligase, mitochondrial-like
NP_001133621.1	Phenylalanyl-tRNA synthetase alpha chain
EPQ18477.1	Phenylalanyl-tRNA synthetase beta chain
ACN11255.1	Phenylalanyl-tRNA synthetase, mitochondrial precursor
XP_006791244.1	phenylethanolamine N-methyltransferase-like
Q6NWE1.2	PHF10_DANRE RecName: Full=PHD finger protein 10
AAI65673.1	Phf17 protein
XP_005162398.1	PH-interacting protein isoform X1
XP_698221.5	PH-interacting protein isoform X2
XP_006625960.1	PH-interacting protein-like
NP_955941.2	phosducin-like
NP_001133423.1	phosphatase 1 regulatory subunit 12C
NP_001096587.1	phosphatase 1A-like
ETE69885.1	Phosphatase and actin regulator 1, partial
XP_005462096.1	phosphatase and actin regulator 1-like
XP_004542807.1	phosphatase and actin regulator 1-like isoform X1
XP_005173885.1	phosphatase and actin regulator 1-like, partial
XP_005156986.1	phosphatase and actin regulator 2 isoform X1
ELK27575.1	Phosphatase and actin regulator 3, partial
NP_001107883.1	phosphatase and actin regulator 3a
XP_006639611.1	phosphatase and actin regulator 3-like
XP_005159604.1	phosphatase and actin regulator 4A isoform X6
XP_006631455.1	phosphatase and actin regulator 4B-like
XP_005157538.1	phosphate cytidylyltransferase 1, choline, beta b isoform X1
XP_006627813.1	phosphate-regulating neutral endopeptidase-like

XP_001341899.2 phosphatidate cytidyltransferase 1
 XP_003448666.1 phosphatidate cytidyltransferase 2-like
 XP_005158866.1 phosphatidate phosphatase LPIN1 isoform X1
 XP_005158867.1 phosphatidate phosphatase LPIN1 isoform X2
 XP_006626136.1 phosphatidate phosphatase LPIN1-like
 XP_005745658.1 phosphatidate phosphatase LPIN1-like isoform X1
 XP_707850.4 phosphatidate phosphatase LPIN2 isoformX4
 XP_004546937.1 phosphatidate phosphatase LPIN2-like
 XP_006634371.1 phosphatidate phosphatase LPIN2-like isoform X1
 XP_005994437.1 phosphatidate phosphatase LPIN2-like isoform X2
 XP_006007347.1 phosphatidate phosphatase PPAPDC1A
 XP_006630489.1 phosphatidate phosphatase PPAPDC1A-like
 ADO27813.1 phosphatidate phosphatase ppadc1b
 XP_005924440.1 phosphatidate phosphatase PPAPDC1B-like isoform X3
 NP_001124258.1 phosphatidylcholine transfer protein
 XP_004071156.1 phosphatidylcholine transfer protein-like
 NP_001071082.1 phosphatidylcholine:ceramide cholinephosphotransferase 1
 NP_001139035.1 phosphatidylcholine:ceramide cholinephosphotransferase 2
 XP_006630076.1 phosphatidylcholine:ceramide cholinephosphotransferase 2-like
 NP_998488.1 phosphatidylethanolamine binding protein
 ADO28416.1 phosphatidylethanolamine n-methyltransferase
 XP_006625531.1 phosphatidylethanolamine-binding protein 4-like
 NP_001074093.1 phosphatidylinositol phosphatase SAC1-A
 XP_006635601.1 phosphatidylinositol phosphatase SAC1-A-like
 NP_001038343.1 phosphatidylinositol phosphatase SAC1-B
 NP_001119904.1 phosphatidylinositol phosphatase SAC2

 XP_003755112.1 phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN

 XP_006630535.1 phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN-like

 XP_004077141.1 phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN-like isoform 1

 XP_005727536.1 phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN-like isoform X1

 XP_001923007.3 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1
 XP_006637799.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1-like
 XP_006800020.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A-like
 XP_005746985.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A-like isoform X2
 NP_001038691.1 phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2B
 XP_699627.3 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein isoform 2
 XP_005454208.1 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein isoform X2
 XP_006639509.1 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein-like
 CBN81928.1 Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein
 XP_006633961.1 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein-like

 XP_007101655.1 phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein-like isoform X1

 XP_005172337.1 phosphatidylinositol 3-kinase catalytic subunit type 3 isoform X1
 XP_005172338.1 phosphatidylinositol 3-kinase catalytic subunit type 3 isoform X2
 XP_003975987.1 phosphatidylinositol 3-kinase catalytic subunit type 3-like
 XP_005482389.1 phosphatidylinositol 3-kinase regulatory subunit alpha-like
 XP_006627084.1 phosphatidylinositol 3-kinase regulatory subunit alpha-like isoform X4
 XP_005166333.1 phosphatidylinositol 3-kinase regulatory subunit gamma isoform X1
 XP_004574845.1 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform-like

 XP_690235.2 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform-like isoform X2

 XP_001923257.4 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform isoformX1
 XP_692697.2 phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
 XP_002662241.3 phosphatidylinositol 4,5-bisphosphate 5-phosphatase A
 XP_694550.5 phosphatidylinositol 4,5-bisphosphate 5-phosphatase A isoform X3
 XP_698057.5 phosphatidylinositol 4,5-bisphosphate 5-phosphatase A-like
 NP_001030144.1 phosphatidylinositol 4-kinase alpha
 XP_005172652.1 phosphatidylinositol 4-kinase alpha isoform X1
 XP_005172653.1 phosphatidylinositol 4-kinase alpha isoform X2
 XP_003453019.1 phosphatidylinositol 4-kinase alpha-like
 XP_004567015.1 phosphatidylinositol 4-kinase alpha-like isoform X1
 XP_005473592.1 phosphatidylinositol 4-kinase alpha-like isoform X2
 XP_006641882.1 phosphatidylinositol 4-kinase beta-like
 AAY16568.1 phosphatidylinositol 4-kinase III beta
 XP_006039546.1 phosphatidylinositol 4-kinase type 2 alpha
 NP_001167203.1 Phosphatidylinositol 4-kinase type 2-alpha
 XP_003208137.1 phosphatidylinositol 4-kinase type 2-alpha-like
 NP_001038950.1 phosphatidylinositol 4-kinase type 2-beta
 XP_001172509.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha isoform 1

 XP_005159362.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha isoform X1

 XP_700029.4 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha isoform X3

 XP_006782449.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha-like isoform X1

XP_003199535.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
 XP_006628520.1 phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta-like
 XP_005170566.1 phosphatidylinositol 4-phosphate 5-kinase type-1 gamma isoform X2
 XP_006640079.1 phosphatidylinositol 4-phosphate 5-kinase type-1 gamma-like
 XP_005920616.1 phosphatidylinositol 4-phosphate 5-kinase type-1 gamma-like isoform X2
 XP_005163425.1 phosphatidylinositol 5-phosphate 4-kinase type-2 alpha isoform X2
 XP_004546609.1 phosphatidylinositol 5-phosphate 4-kinase type-2 alpha-like isoform X3
 NP_956395.2 phosphatidylinositol 5-phosphate 4-kinase type-2 gamma
 XP_003976150.1 phosphatidylinositol 5-phosphate 4-kinase type-2 gamma-like isoform 1
 XP_005172860.1 phosphatidylinositol 5-phosphate 4-kinase type-2 gamma-like isoform X3
 XP_006639729.1 phosphatidylinositol glycan anchor biosynthesis class U protein-like
 XP_005945937.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit A-like isoform X1
 NP_998426.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit C
 XP_005172627.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit P isoform X1
 XP_004556614.1 phosphatidylinositol N-acetylglucosaminyltransferase subunit Q-like
 XP_683017.5 phosphatidylinositol phosphatase PTPRQ
 XP_006633665.1 phosphatidylinositol phosphatase PTPRQ-like
 AAT68039.1 phosphatidylinositol synthase
 NP_957229.1 phosphatidylinositol transfer protein alpha isoform
 NP_001187346.1 phosphatidylinositol transfer protein beta isoform
 XP_005155316.1 phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase TPTE2 isoform X1
 NP_957493.1 phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform
 ELK34419.1 Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit alpha
 NP_001082822.1 phosphatidylinositol-4-phosphate 5-kinase type-1 alpha
 XP_005166787.1 phosphatidylinositol-4-phosphate 5-kinase type-1 beta isoform X2
 NP_001018438.1 phosphatidylinositol-4-phosphate 5-kinase type-1 gamma
 XP_005172013.1 phosphatidylinositol-4-phosphate 5-kinase, type I, alpha-like isoform X2
 EMP35421.1 Phosphatidylinositol-binding clathrin assembly protein
 XP_005172378.1 phosphatidylinositol-binding clathrin assembly protein isoform X2
 XP_005172706.1 phosphatidylinositol-binding clathrin assembly protein isoform X3
 XP_694160.3 phosphatidylinositol-binding clathrin assembly protein isoform X4
 XP_005172710.1 phosphatidylinositol-binding clathrin assembly protein isoform X7
 XP_005458672.1 phosphatidylinositol-binding clathrin assembly protein-like isoform X1
 XP_005161368.1 phosphatidylinositol-binding clathrin assembly protein-like isoform X2
 XP_005459650.1 phosphatidylinositol-binding clathrin assembly protein-like isoform X3
 NP_001187356.1 phosphatidylinositol-glycan biosynthesis class F protein
 NP_001108044.2 phosphatidylinositol-glycan biosynthesis class W protein
 XP_005170422.1 phosphatidylinositol-glycan biosynthesis class X protein isoform X2
 XP_003761273.1 phosphatidylserine decarboxylase proenzyme
 XP_687872.5 phosphatidylserine synthase 1
 XP_006801440.1 phosphatidylserine synthase 1-like
 XP_004389462.1 phosphatidylserine synthase 2
 XP_005997630.1 phosphatidylserine synthase 2-like
 XP_005927917.1 phosphatidylserine synthase 2-like isoform X1
 EDL16515.1 phosphodiesterase 2A, cGMP-stimulated, isoform CRA_d
 XP_004444047.1 phosphodiesterase 4C, cAMP-specific
 NP_998357.1 phosphoenolpyruvate carboxykinase GTP, mitochondrial
 NP_001070105.1 phosphoethanolamine methyltransferase
 NP_001004575.1 phosphofructokinase, muscle a
 NP_001082886.1 phosphofructokinase, muscle b
 XP_005166110.1 phosphofructokinase, muscle b isoform X1
 ABU49224.1 phosphofurin acidic cluster sorting protein 1
 XP_004079981.1 phosphofurin acidic cluster sorting protein 1-like
 XP_004570721.1 phosphofurin acidic cluster sorting protein 1-like isoform X2
 XP_004570722.1 phosphofurin acidic cluster sorting protein 1-like isoform X3
 NP_001116223.1 phosphofurin acidic cluster sorting protein 2
 XP_005174123.1 phosphofurin acidic cluster sorting protein 2 isoform X2
 XP_005174125.1 phosphofurin acidic cluster sorting protein 2 isoform X4
 XP_005174127.1 phosphofurin acidic cluster sorting protein 2 isoform X6
 XP_005934120.1 phosphofurin acidic cluster sorting protein 2-like
 XP_003445461.1 phosphofurin acidic cluster sorting protein 2-like isoform X1
 XP_005174131.1 phosphofurin acidic cluster sorting protein 2-like isoform X4
 XP_005174132.1 phosphofurin acidic cluster sorting protein 2-like isoform X5
 NP_957319.1 phosphoglucomutase-1
 XP_006035112.1 phosphoglucomutase-1 isoform X1
 XP_002162425.2 phosphoglucomutase-1-like
 NP_998051.1 phosphoglucomutase-2
 NP_001119868.1 phosphoglucomutase-like protein 5
 BAF91561.1 phosphoglucose isomerase-2
 ADO28010.1 phosphoglycerate mutase 1
 XP_005160223.1 phosphoglycerate mutase 1b isoform X1
 NP_957318.1 phosphoglycerate mutase 2
 XP_003961394.1 phosphoglycolate phosphatase-like
 XP_006630867.1 phosphoinositide 3-kinase adapter protein 1-like
 XP_001922676.1 phosphoinositide 3-kinase regulatory subunit 4 isoform X1
 XP_005158356.1 phosphoinositide 3-kinase regulatory subunit 4 isoform X2
 XP_002662391.2 phosphoinositide 3-kinase regulatory subunit 5
 XP_006787530.1 phosphoinositide 3-kinase regulatory subunit 5-like
 XP_001345931.4 phosphoinositide 3-kinase regulatory subunit 6-like

AAH45386.1 Phosphoinositide-3-kinase, regulatory subunit, polypeptide 3 (p55, gamma)
NP_938188.1 phosphoinositide-3-kinase-interacting protein 1 precursor
XP_006784329.1 phosphoinositide-3-kinase-interacting protein 1-like
XP_006012617.1 phosphoinositide-interacting protein-like
2123392A phosphoinositide-specific phospholipase C
AAA87954.1 phosphoinositide-specific phospholipase C
NP_996939.1 phospholipase A1 member A precursor
NP_001120337.1 phospholipase A2, group X
XP_005470429.1 phospholipase A2, major isoenzyme-like
XP_005811201.1 phospholipase A2-like
XP_003908510.1 phospholipase B1, membrane-associated
XP_005160662.1 phospholipase B1, membrane-associated-like
XP_005160663.1 phospholipase B1, membrane-associated-like isoform X1
NP_001133551.1 phospholipase B-like 1
XP_004071828.1 phospholipase B-like 1-like
ACA05825.1 phospholipase C delta 1A
XP_005163413.1 phospholipase C, delta 1b isoform X1
AAI62663.1 Phospholipase C, gamma 1
AAI24601.1 Phospholipase C, gamma 2
NP_001265769.1 phospholipase C-beta 2
AAN08425.1 phospholipase C-delta 1
XP_001921798.4 phospholipase C-like 1
XP_002667725.2 phospholipase C-like 2
AAR29590.1 phospholipase D
NP_001153567.1 phospholipase D1
XP_001921567.2 phospholipase D1 isoform X1
XP_005167837.1 phospholipase D1 isoform X2
XP_006639010.1 phospholipase D1-like
XP_004574528.1 phospholipase D1-like isoform X4
XP_003442930.1 phospholipase D1-like isoform X1
XP_003200538.1 phospholipase D3
XP_005173237.1 phospholipase D3 isoform X1
XP_686746.4 phospholipase D3 isoform X2
XP_004569658.1 phospholipase D3-like
XP_003456436.1 phospholipase D3-like isoform X1
XP_003962635.1 phospholipase D4-like
NP_001025417.1 phospholipase DDHD1
XP_006632557.1 phospholipase DDHD1-like
XP_0026663587.3 phospholipase DDHD2
ACN10534.1 Phospholipid scramblase 1
XP_004546838.1 phospholipid scramblase 1-like isoform X3
NP_001121867.1 phospholipid scramblase 2
NP_001003519.1 phospholipid transfer protein precursor
XP_003454729.1 phospholipid-metabolizing enzyme A-C1-like
XP_005479270.1 phospholipid-metabolizing enzyme A-C1-like isoform X1
EPY87242.1 phospholipid-transporting ATPase VB-like protein
XP_004080613.1 phospholysine phosphohistidine inorganic pyrophosphate phosphatase-like
XP_005681244.1 phosphomannomutase 1
NP_001187806.1 phosphomannomutase 2
NP_001077048.1 phosphomevalonate kinase
NP_001187639.1 phosphopantothenate--cysteine ligase
NP_001187962.1 phosphopantothenoylcysteine decarboxylase
XP_003200660.1 phosphoprotein associated with glycosphingolipid-enriched microdomains 1
AAI42821.1 Phosphoribosyl pyrophosphate amidotransferase
XP_006635267.1 phosphoribosyl pyrophosphate synthase-associated protein 1-like isoform X1
XP_005468343.1 phosphoribosyl pyrophosphate synthase-associated protein 1-like isoform X2
XP_006153263.1 phosphoribosyl pyrophosphate synthase-associated protein 2
XP_005164177.1 phosphoribosyl pyrophosphate synthase-associated protein 2 isoform X2
NP_001187518.1 phosphoribosyl pyrophosphate synthetase-associated protein 1
NP_001038667.1 phosphoribosylformylglycinamide synthase
XP_004557308.1 phosphoribosylformylglycinamide synthase-like
NP_001187952.1 phosphoribosyltransferase domain-containing protein 1
XP_002666638.2 phosphoribosyltransferase domain-containing protein 1-like
NP_957256.1 phosphorylase b kinase gamma catalytic chain, liver/testis isoform
XP_005803293.1 phosphorylase b kinase gamma catalytic chain, liver/testis isoform-like
ELK35997.1 Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform
XP_005799840.1 phosphorylase b kinase regulatory subunit alpha, liver isoform-like
XP_005943344.1 phosphorylase b kinase regulatory subunit alpha, liver isoform-like isoform X1
XP_005169454.1 phosphorylase b kinase regulatory subunit alpha, liver isoform-like isoform X2
XP_684044.4 phosphorylase b kinase regulatory subunit alpha, liver isoform-like isoform X3
XP_001923412.1 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform isoform X1
XP_005166575.1 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform isoform X2
XP_005166577.1 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform isoform X4
XP_005992942.1 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform isoform X5
NP_690880.4 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform-like
XP_004573471.1 phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform-like isoform X7
XP_005166459.1 phosphorylase b kinase regulatory subunit beta isoform X1
XP_005166460.1 phosphorylase b kinase regulatory subunit beta isoform X2
XP_698197.5 phosphorylase b kinase regulatory subunit beta isoform X3

XP_006641438.1 phosphorylase b kinase regulatory subunit beta-like
 XP_005913152.1 phosphorylase b kinase regulatory subunit beta-like isoform X1
 NP_001071080.1 phosphorylase kinase gamma subunit 1
 XP_005161235.1 phosphorylase kinase gamma subunit 1 isoform X1
 XP_005172319.1 phosphorylase, glycogen (muscle) b isoform X1
 NP_001003995.1 phosphorylated adapter RNA export protein
 XP_006626904.1 phosphorylated adapter RNA export protein-like isoform X2
 XP_688220.3 phosphorylated CTD-interacting factor 1
 ACO09108.1 Phosphoserine aminotransferase
 NP_956113.1 phosphoserine aminotransferase isoform 1
 XP_004546997.1 phosphoserine aminotransferase-like
 XP_005738207.1 phosphoserine aminotransferase-like isoform X1
 NP_001188090.1 phosphoserine phosphatase
 XP_003967216.1 phosphotidylinositol phosphatase PTPRQ-like
 NP_001187803.1 phosphotriesterase-related protein
 AAA65731.1 phosphotyrosyl-protein phosphatase
 BAM22590.1 phosvitinless vitellogenin
 XP_002665265.1 photoreceptor outer segment membrane glycoprotein 2-like isoform X1
 NP_001007369.1 photoreceptor-specific nuclear receptor
 P34205.1 PHR_CARAU RecName: Full=Deoxyribodipyrimidine photo-lyase; AltName: Full=DNA photolyase; AltName: Full=Photoreactivating enzyme
 F1QIC4.2 PHR4A_DANRE RecName: Full=Phosphatase and actin regulator 4A
 NP_001073557.1 phytanoyl-CoA 2-hydroxylase interacting protein-like a
 NP_001007446.1 phytanoyl-CoA dioxygenase domain-containing protein 1
 NP_001005602.2 phytanoyl-CoA hydroxylase-interacting protein-like
 XP_005727452.1 phytanoyl-CoA hydroxylase-interacting protein-like isoform X2
 AA124614.1 PI-3-kinase-related kinase SMG-1
 XP_696355.4 piezo-type mechanosensitive ion channel component 1
 XP_006641416.1 piezo-type mechanosensitive ion channel component 1-like
 XP_005013163.1 piezo-type mechanosensitive ion channel component 2
 XP_006273705.1 piezo-type mechanosensitive ion channel component 2-like
 XP_002666625.3 piezo-type mechanosensitive ion channel component 2-like, partial
 XP_003965840.1 piggyBac transposable element-derived protein 1-like
 XP_006792148.1 piggyBac transposable element-derived protein 2-like
 XP_005175980.1 piggyBac transposable element-derived protein 2-like, partial
 XP_005937373.1 piggyBac transposable element-derived protein 3-like
 XP_005953645.1 piggyBac transposable element-derived protein 3-like, partial
 XP_002667755.3 piggyBac transposable element-derived protein 4-like
 XP_006809583.1 piggyBac transposable element-derived protein 4-like isoform X1
 XP_699429.2 piggyBac transposable element-derived protein 4-like isoform X3
 NP_001139077.1 piggyBac transposable element-derived protein 5
 NP_001004539.1 pigment epithelium-derived factor precursor
 ACO14211.1 PIH1 domain-containing protein 1
 NP_001008629.1 PIH1 domain-containing protein 2
 XP_001339765.5 pikachurin
 XP_004072389.1 pikachurin-like
 AAH45836.1 Pim1 protein
 ETE64147.1 Pinin
 XP_005813350.1 pinopsin-like, partial
 NP_001017673.1 PI-PLC X domain-containing protein 1
 XP_005166052.1 PI-PLC X domain-containing protein 1-like
 NP_001014322.1 PI-PLC X domain-containing protein 3
 XP_688423.2 PI-PLC X domain-containing protein 3-like
 NP_001187923.1 pirin
 NP_996957.1 PITH domain-containing protein 1
 AAC15699.1 pituitary adenylate cyclase activating polypeptide type 1 receptor precursor
 XP_004683826.1 pituitary adenylate cyclase-activating polypeptide
 ADD12328.1 pituitary adenylate cyclase-activating polypeptide precursor
 ADV02383.1 pituitary adenylate cyclase-activating polypeptide receptor 1
 NP_001136398.1 pituitary adenylate cyclase-activating polypeptide type I receptor isoform 2 precursor
 NP_001136397.1 pituitary adenylate cyclase-activating polypeptide type I receptor isoform 3 precursor
 XP_006634315.1 pituitary adenylate cyclase-activating polypeptide type I receptor-like
 XP_001331921.5 pituitary adenylate cyclase-activating polypeptide type I receptor-like isoform X1
 XP_006631840.1 pituitary homeobox 1-like
 XP_003971029.1 pituitary homeobox 1-like isoform 1
 NP_991238.1 pituitary homeobox 3
 NP_001258403.1 pituitary tumor-transforming 1
 NP_001187757.1 pituitary tumor-transforming gene 1 protein-interacting protein
 AAT68296.1 Pitx3
 AFP96779.1 piwi-like 1
 AEN55535.1 piwi-like 2
 NP_899181.1 piwi-like protein 1
 NP_001073668.2 piwi-like protein 2
 XP_004558604.1 piwi-like protein 2-like
 A4IG55.2 PKHO1_DANRE RecName: Full=Pleckstrin homology domain-containing family O member 1-A; Short=PH domain-containing family O member 1-A; AltName: Full=Casein kinase 2-interacting protein 1; Short=CK2-interacting protein 1; Short=CKIP-1
 AAH67143.1 Pkm2a protein
 XP_005168845.1 pl10 isoform X1

XP_005168846.1	pl10 isoform X2
AAI24759.1	Pla2g15 protein
XP_706757.1	plac8 onzin related protein 4 isoform 2
XP_003447044.1	PLAC8-like protein 1-like
XP_005170735.1	plakophilin 3 isoform X1
NP_001038745.1	plakophilin 3a
XP_006628392.1	plakophilin-1-like
NP_001106904.1	plakophilin-2
XP_002662884.1	plakophilin-3-like
XP_005165904.1	plakophilin-4 isoform X1
XP_005165905.1	plakophilin-4 isoform X2
XP_690071.3	plakophilin-4 isoform X3
XP_005453052.1	plakophilin-4 isoform X5
XP_006788733.1	plakophilin-4-like
XP_006636496.1	plakophilin-4-like isoform X2
NP_001133914.1	Plasma glutamate carboxypeptidase precursor
NP_001002472.2	plasma membrane calcium ATPase 3a
XP_005166876.1	plasma membrane calcium ATPase 3a isoform X2
XP_005166878.1	plasma membrane calcium ATPase 3a isoform X4
NP_001038222.1	plasma membrane calcium-transporting ATPase 1
XP_004547457.1	plasma membrane calcium-transporting ATPase 1-like isoform X2
XP_005451695.1	plasma membrane calcium-transporting ATPase 1-like isoform X4
NP_001116710.1	plasma membrane calcium-transporting ATPase 2
ERE66933.1	plasma membrane calcium-transporting ATPase 2 isoform 2
XP_004616039.1	plasma membrane calcium-transporting ATPase 2 isoform X2
XP_004068703.1	plasma membrane calcium-transporting ATPase 2-like isoform 2
XP_006783341.1	plasma membrane calcium-transporting ATPase 2-like isoform X11
XP_005932348.1	plasma membrane calcium-transporting ATPase 2-like isoform X3
XP_006783337.1	plasma membrane calcium-transporting ATPase 2-like isoform X7
XP_006124891.1	plasma membrane calcium-transporting ATPase 2-like isoform X9
NP_001121714.1	plasma membrane calcium-transporting ATPase 3
XP_003774745.1	plasma membrane calcium-transporting ATPase 3 isoform 5
XP_005163078.1	plasma membrane calcium-transporting ATPase 3 isoform X1
XP_005510383.1	plasma membrane calcium-transporting ATPase 4 isoform X1
XP_004625443.1	plasma membrane calcium-transporting ATPase 4 isoform X3
AHK09952.1	plasminogen
XP_005172302.1	plasminogen activator inhibitor 1 isoform X1
XP_005151371.1	plasminogen activator inhibitor 1 RNA-binding protein
XP_002662522.2	plasminogen activator inhibitor 1 RNA-binding protein-like isoform X1
NP_958880.1	plasminogen precursor
XP_005873616.1	plasmolipin
XP_005163332.1	plastin-1 isoform X1
XP_006637877.1	plastin-1-like
NP_571395.1	plastin-2
XP_003199314.1	plastin-2-like, partial
NP_001002326.1	plastin-3
XP_006632667.1	plastin-3-like isoform X1
CAN88048.1	platelet derived growth factor receptor alpha
XP_700533.4	platelet endothelial aggregation receptor 1
NP_001107271.1	platelet endothelial cell adhesion molecule precursor
XP_003199589.2	platelet endothelial cell adhesion molecule-like isoform X1
XP_005166259.1	platelet endothelial cell adhesion molecule-like isoform X2
NP_001002363.1	platelet glycoprotein 4
XP_003452077.1	platelet glycoprotein 4-like
XP_005170635.1	platelet glycoprotein Ib alpha chain-like
NP_001138284.1	platelet glycoprotein Ib beta chain precursor
XP_004070592.1	platelet glycoprotein IX-like
NP_001071049.1	platelet receptor Gi24 precursor
NP_998354.1	platelet-activating factor acetylhydrolase
ERE83777.1	platelet-activating factor acetylhydrolase 2, cytoplasmic-like protein
NP_001076320.1	platelet-activating factor acetylhydrolase IB subunit beta
NP_957352.1	platelet-activating factor acetylhydrolase IB subunit gamma
XP_001342372.1	platelet-activating factor receptor-like
XP_689054.3	platelet-derived growth factor C-like
XP_003200146.2	platelet-derived growth factor D-like, partial
XP_004084821.1	platelet-derived growth factor receptor alpha
XP_004557196.1	platelet-derived growth factor receptor alpha-like isoform X1
NP_001167397.1	Platelet-derived growth factor receptor-like protein precursor
AAI35036.1	Plec3 protein
NP_001133747.1	Pleckstrin homology domain-containing family A member 1
XP_005021190.1	pleckstrin homology domain-containing family A member 1 isoform X1
XP_004551509.1	pleckstrin homology domain-containing family A member 1-like isoform X1
XP_004551513.1	pleckstrin homology domain-containing family A member 1-like isoform X5
XP_005448357.1	pleckstrin homology domain-containing family A member 4-like isoform X7
XP_005017130.1	pleckstrin homology domain-containing family A member 5 isoform X2
XP_005164535.1	pleckstrin homology domain-containing family A member 5 isoform X5
XP_006633231.1	pleckstrin homology domain-containing family A member 5-like
XP_005172951.1	pleckstrin homology domain-containing family A member 6 isoform X1
XP_697207.5	pleckstrin homology domain-containing family A member 6 isoform X2

XP_004576018.1 pleckstrin homology domain-containing family A member 6-like
 XP_005172407.1 pleckstrin homology domain-containing family A member 7 isoform X10
 XP_005172402.1 pleckstrin homology domain-containing family A member 7 isoform X5
 XP_005172403.1 pleckstrin homology domain-containing family A member 7 isoform X6
 XP_005172404.1 pleckstrin homology domain-containing family A member 7 isoform X7
 XP_006012581.1 pleckstrin homology domain-containing family A member 7-like
 XP_006808113.1 pleckstrin homology domain-containing family A member 7-like isoform X3
 NP_001007375.1 pleckstrin homology domain-containing family A member 8
 XP_006627863.1 pleckstrin homology domain-containing family B member 1-like
 NP_957296.1 pleckstrin homology domain-containing family B member 2
 XP_003445475.1 pleckstrin homology domain-containing family D member 1-like isoform X1
 NP_001134210.1 Pleckstrin homology domain-containing family F member 1
 XP_006625945.1 pleckstrin homology domain-containing family G member 1-like
 XP_005454664.1 pleckstrin homology domain-containing family G member 1-like isoform X1
 XP_005174147.1 pleckstrin homology domain-containing family G member 1-like isoform X2
 XP_684692.6 pleckstrin homology domain-containing family G member 1-like, partial
 XP_004082657.1 pleckstrin homology domain-containing family G member 3-like
 XP_004540858.1 pleckstrin homology domain-containing family G member 3-like isoform X1
 XP_005160387.1 pleckstrin homology domain-containing family G member 3-like, partial
 XP_001920269.3 pleckstrin homology domain-containing family G member 4B
 XP_005025743.1 pleckstrin homology domain-containing family G member 4B-like
 XP_006008180.1 pleckstrin homology domain-containing family G member 4B-like isoform X1
 XP_004426133.1 pleckstrin homology domain-containing family G member 5
 XP_005448451.1 pleckstrin homology domain-containing family G member 5 isoform X1
 XP_002666567.3 pleckstrin homology domain-containing family G member 5-like isoform X1
 XP_005170009.1 pleckstrin homology domain-containing family G member 7 isoform X2
 NP_001070987.1 pleckstrin homology domain-containing family H member 1
 XP_006632760.1 pleckstrin homology domain-containing family H member 1-like
 XP_003452361.1 pleckstrin homology domain-containing family H member 2 isoform X1
 XP_003963696.1 pleckstrin homology domain-containing family H member 2-like
 XP_005156079.1 pleckstrin homology domain-containing family M member 1 isoform X1
 XP_005162231.1 pleckstrin homology domain-containing family M member 2 isoform X1
 XP_001919480.2 pleckstrin homology domain-containing family M member 3
 XP_002807728.2 pleckstrin homology domain-containing family O member 1
 XP_691398.3 pleckstrin homology domain-containing family O member 1-like
 XP_002662798.2 pleckstrin homology domain-containing family O member 2-like
 XP_003961639.1 pleckstrin homology domain-containing family S member 1-like
 EDM06749.1 pleckstrin homology, Sec7 and coiled-coil domains 1, isoform CRA_a
 XP_004575116.1 pleckstrin homology-like domain family A member 1-like
 NP_001134998.1 pleckstrin homology-like domain family A member 2
 XP_005988178.1 pleckstrin homology-like domain family B member 1 isoform X4
 XP_006807285.1 pleckstrin homology-like domain family B member 1-like
 XP_005157509.1 pleckstrin homology-like domain family B member 1-like isoform X2
 XP_698830.6 pleckstrin homology-like domain family B member 1-like isoform X3
 XP_005172794.1 pleckstrin homology-like domain family B member 2-like isoform X1
 XP_005172796.1 pleckstrin homology-like domain family B member 2-like isoform X3
 XP_005172010.1 pleckstrin homology-like domain, family B, member 1a isoform X1
 XP_694648.5 pleckstrin homology-like domain, family B, member 1a isoform X2
 NP_001122211.1 pleckstrin-2
 ADO28110.1 pleckstrin-like proteiny domain-containing family f member 2
 ADO27918.1 pleckstrin-like proteiny domain-containing family j member 1
 EQB78155.1 pleckstriny domain-containing family A member 6 isoform 1-like protein
 XP_005959791.1 plectin
 NP_001093502.1 plectin a
 XP_005170112.1 plectin a isoform X1
 XP_005170113.1 plectin a isoform X2
 XP_004945241.1 plectin isoform X7
 XP_005743331.1 plectin-like
 XP_004566830.1 plectin-like isoform X1
 XP_004566839.1 plectin-like isoform X10
 XP_005944234.1 plectin-like isoform X17
 XP_006794921.1 plectin-like isoform X5
 NP_001034903.1 pleiomorphic adenoma gene 1
 NP_001088527.1 pleiotropic regulator 1
 XP_006629596.1 pleiotropic regulator 1-like
 AAH90550.1 Plekhh1 protein
 BAF81998.1 Plexin A3
 NP_001091959.1 plexin A3 precursor
 XP_004086417.1 plexin A3-like
 XP_003446041.2 plexin A3-like isoform X1
 ACJ64908.1 plexin B2a
 ACM48164.1 plexin B2b long isoform
 AAH65963.1 Plexin D1
 NP_991260.2 plexin D1 precursor
 XP_005156181.1 plexin domain containing 1 isoform X1
 CBN81672.1 Plexin domain-containing protein 1
 XP_006254373.1 plexin domain-containing protein 2 isoform X1
 NP_001139777.1 plexin domain-containing protein 2 precursor
 XP_005448993.1 plexin domain-containing protein 2-like

NP_001103480.1	plexin-A1
XP_006631156.1	plexin-A1-like
XP_005469344.1	plexin-A1-like isoform X2
XP_004616274.1	plexin-A2
XP_689780.5	plexin-A2 isoform X2
XP_003767706.1	plexin-A2, partial
XP_003453721.2	plexin-A2-like
XP_007185602.1	plexin-A3, partial
NP_001004495.1	plexin-A4 precursor
XP_006633399.1	plexin-A4-like
XP_005805962.1	plexin-A4-like, partial
ERE86426.1	plexin-B1
XP_003198833.2	plexin-B1 isoform X1
XP_006036687.1	plexin-B1 isoform X2
XP_006803773.1	plexin-B1-like
NP_001155072.1	plexin-B2 precursor
XP_005927926.1	plexin-B2-like
XP_694914.4	plexin-B3 isoform X2
XP_005164837.1	plexin-C1 isoform X1
XP_690759.5	plexin-C1 isoform X2
XP_005448760.1	plexin-D1
XP_003963466.1	plexin-D1-like
XP_006796495.1	plexin-D1-like isoform X2
BAK19070.1	PL-toxin I
BAK19071.1	PL-toxin II
BOS5N4.2	PLXA3_DANRE RecName: Full=Plexin A3; Flags: Precursor
XP_005167939.1	PMS1 protein homolog 1 isoform X1
BAM36380.1	PNAS-117
ACI69855.1	pob
XP_006631158.1	POC1 centriolar protein homolog A-like
XP_005808216.1	podocalyxin-like
XP_692207.5	podocalyxin-like 2 isoform X2
XP_003201285.2	podocan
XP_006626389.1	podocan-like
NP_001201839.1	pogo transposable element with ZNF domain a
XP_005158295.1	pogo transposable element with ZNF domain-like isoform X2
CBN81175.1	Pol polyprotein
AAO46143.1	pol protein
XP_001923040.4	poliovirus receptor
NP_001161041.1	poliovirus receptor-related 1b
XP_005161186.1	poliovirus receptor-related protein 1 isoform X1
XP_005161187.1	poliovirus receptor-related protein 1 isoform X2
XP_003968698.1	poliovirus receptor-related protein 1-like
XP_689309.5	poliovirus receptor-related protein 2-like
XP_006788707.1	poliovirus receptor-related protein 2-like, partial
XP_003197671.2	poliovirus receptor-related protein 3-like
NP_001014326.1	poliovirus receptor-related protein 3-like precursor
XP_001334985.4	poliovirus receptor-related protein 4
XP_689011.4	poliovirus receptor-related protein 4-like isoform X2
ABN58714.1	pol-like protein
AAT68070.1	polo-like kinase
CAQ14531.1	polo-like kinase 3 (Drosophila)
NP_001108558.1	poly (ADP-ribose) polymerase family, member 12b
XP_005171314.1	poly (ADP-ribose) polymerase family, member 2 isoform X1
XP_005169828.1	poly A binding protein, cytoplasmic 1 a isoform X1
NP_001038407.1	poly ADP-ribose polymerase 1
XP_005170241.1	poly ADP-ribose polymerase 1 isoform X1
XP_005170242.1	poly ADP-ribose polymerase 1 isoform X2
XP_006635980.1	poly ADP-ribose polymerase 10-like
XP_004548333.1	poly ADP-ribose polymerase 11-like isoform X1
XP_006780799.1	poly ADP-ribose polymerase 11-like isoform X2
XP_004576728.1	poly ADP-ribose polymerase 11-like, partial
XP_003200689.2	poly ADP-ribose polymerase 12
XP_006003898.1	poly ADP-ribose polymerase 12-like
NP_001107919.2	poly ADP-ribose polymerase 14
XP_693301.5	poly ADP-ribose polymerase 14-like
NP_998071.1	poly ADP-ribose polymerase 16
XP_005734478.1	poly ADP-ribose polymerase 1-like isoform X2
NP_956795.1	poly ADP-ribose polymerase 3
XP_001921910.3	poly ADP-ribose polymerase 4
XP_005951827.1	poly ADP-ribose polymerase 4-like
XP_004943698.1	poly ADP-ribose polymerase 6 isoform X3
XP_006511442.1	poly ADP-ribose polymerase 6 isoform X5
XP_005805607.1	poly ADP-ribose polymerase 6-like isoform X2
NP_001070643.1	poly ADP-ribose polymerase 8
XP_005165410.1	poly ADP-ribose polymerase 8 isoform X2
ACO13392.1	Poly polymerase 11
ACN10904.1	Poly polymerase 12
XP_006110005.1	poly(A) binding protein, cytoplasmic 1-like

EAX07267.1	poly(A) binding protein, cytoplasmic 4 (inducible form), isoform CRA_g
BAB39138.1	poly(A) polymerase
NP_991321.2	poly(A) polymerase alpha
XP_005160406.1	poly(A) polymerase alpha isoform X1
XP_006083366.1	poly(A) polymerase gamma isoform X1
XP_002662153.1	poly(A) RNA polymerase GLD2 isoform 2
XP_692256.4	poly(A) RNA polymerase, mitochondrial-like
XP_005918527.1	poly(A) RNA polymerase, mitochondrial-like isoform X2
XP_001338257.2	poly(ADP-ribose) glycohydrolase
NP_001188048.1	poly(ADP-ribose) glycohydrolase arh3
XP_687541.4	poly(ADP-ribose) glycohydrolase-like
NP_001188110.1	poly(rC)-binding protein 2
XP_005802586.1	poly(rC)-binding protein 2-like
XP_005452330.1	poly(rC)-binding protein 3-like isoform X3
NP_998282.1	poly(rC)-binding protein 4
XP_006631026.1	poly(rC)-binding protein 4-like
XP_005163557.1	poly(U)-binding-splicing factor PUF60 isoform X1
XP_005163559.1	poly(U)-binding-splicing factor PUF60 isoform X3
NP_001018398.1	poly(U)-specific endoribonuclease-B
XP_004550416.1	poly(U)-specific endoribonuclease-B-like isoform X1
XP_006633210.1	poly(U)-specific endoribonuclease-C-like
XP_004544966.1	poly(U)-specific endoribonuclease-like
EHA98760.1	Polyadenylate-binding protein 1
NP_001080204.1	polyadenylate-binding protein 1-A
XP_006889976.1	polyadenylate-binding protein 1-A-like isoform X2
XP_005113261.1	polyadenylate-binding protein 1-B-like isoform X2
XP_003386437.1	polyadenylate-binding protein 1-like
XP_004463761.1	polyadenylate-binding protein 1-like isoform 4
XP_006889889.1	polyadenylate-binding protein 1-like isoform X1
XP_006889890.1	polyadenylate-binding protein 1-like isoform X2
ELK30241.1	Polyadenylate-binding protein 1-like protein
XP_006641412.1	polyadenylate-binding protein 2-like
XP_001096930.2	polyadenylate-binding protein 3
NP_958453.1	polyadenylate-binding protein 4
EPY78475.1	Polyadenylate-binding protein 4 isoform 11-like protein
XP_004947928.1	polyadenylate-binding protein 4 isoform X10
XP_005477689.1	polyadenylate-binding protein 4 isoform X2
XP_005058267.1	polyadenylate-binding protein 4 isoform X4
ETE57467.1	Polyadenylate-binding protein 4, partial
XP_001947071.2	polyadenylate-binding protein 4-like
XP_006631281.1	polyadenylate-binding protein 4-like isoform X1
NP_998424.1	polyadenylate-binding protein nuclear 1 isoform 1
NP_001003504.1	polyadenylate-binding protein-interacting protein 1
XP_005160075.1	polyadenylate-binding protein-interacting protein 2B isoform X1
XP_006629161.1	polyadenylate-binding protein-interacting protein 2B-like
NP_001140071.1	Polyamine-modulated factor 1
XP_005168819.1	polybromo 1, like isoform X1
ELW71439.1	Polycomb complex protein BMI-1
XP_005163414.1	polycomb complex protein BMI-1-B isoform X1
NP_001007159.1	polycomb group RING finger protein 1
XP_005653613.1	polycomb group RING finger protein 3 isoform X5
XP_005173399.1	polycomb group RING finger protein 3-like
XP_005385888.1	polycomb group RING finger protein 5 isoform X2
NP_001122184.1	polycomb group RING finger protein 5-A
XP_006643244.1	polycomb group RING finger protein 5-like
NP_001082838.1	polycomb group RING finger protein 6
XP_003459967.1	polycomb protein eed-like
XP_005455328.1	polycomb protein SCMH1 isoform X3
XP_005158372.1	polycomb protein SCMH1-like
XP_005174217.1	polycomb protein SCMH1-like isoform X2
NP_001076293.2	polycomb protein suz12-B
XP_006635554.1	polycomb protein Suz12-like
XP_005170118.1	polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1 isoform X1
EPY81798.1	polycystic kidney disease 1-like protein
XP_695404.3	polycystic kidney disease 2-like 1
XP_005162687.1	polycystic kidney disease protein 1-like 1-like, partial
XP_004449559.1	polycystic kidney disease protein 1-like 2
XP_006641395.1	polycystic kidney disease protein 1-like 2-like
CBN81180.1	Polycystin-1
XP_003197787.2	polycystin-1-like
XP_005156278.1	polycystin-1-like isoform X2
XP_005156279.1	polycystin-1-like isoform X3
XP_694060.6	polycystin-1-like isoform X4
ABA60692.1	polycystin-2
XP_005160146.1	polycystin-2 isoform X1
XP_006043637.1	polyglutamine-binding protein 1
XP_005158397.1	polyhomeotic homolog 1 isoform X3
NP_957496.3	polyhomeotic-like 2
XP_006642087.1	polyhomeotic-like protein 2-like

XP_005802281.1 polyhomeotic-like protein 2-like, partial
 XP_001919341.3 polyhomeotic-like protein 3-like
 AAI53576.1 Polymerase (DNA directed), beta
 AAI63875.1 Polymerase (DNA directed), delta 1, catalytic subunit
 NP_001231731.1 polymerase (RNA) III (DNA directed) polypeptide G like a isoform 2
 XP_006809373.1 polymerase delta-interacting protein 2-like
 XP_004563090.1 polymerase delta-interacting protein 3-like isoform X2
 NP_001082805.1 polymerase I and transcript release factor isoform 1
 NP_001108021.1 polymerase I and transcript release factor isoform 2
 XP_001920702.1 polymerase I and transcript release factor-like
 AHH83800.1 polymeric immunoglobulin receptor transcript variant 2
 XP_005169793.1 polymeric immunoglobulin receptor-like
 XP_005160281.1 polymeric immunoglobulin receptor-like isoform X2
 XP_005164203.1 polymeric immunoglobulin receptor-like, partial
 XP_696106.3 polynucleotide 5'-hydroxyl-kinase NOL9 isoform X2
 XP_687472.3 polypeptide N-acetylgalactosaminyltransferase 1 isoform 2
 ETE63369.1 Polypeptide N-acetylgalactosaminyltransferase 10
 NP_001070030.2 polypeptide N-acetylgalactosaminyltransferase 11
 XP_005162570.1 polypeptide N-acetylgalactosaminyltransferase 11 isoform X1
 XP_006634585.1 polypeptide N-acetylgalactosaminyltransferase 11-like
 XP_688194.1 polypeptide N-acetylgalactosaminyltransferase 12
 XP_005168002.1 polypeptide N-acetylgalactosaminyltransferase 13 isoform X2
 XP_005453068.1 polypeptide N-acetylgalactosaminyltransferase 13 isoform X3
 XP_004081766.1 polypeptide N-acetylgalactosaminyltransferase 13-like isoform 1
 NP_001038460.1 polypeptide N-acetylgalactosaminyltransferase 14
 ETE70082.1 Polypeptide N-acetylgalactosaminyltransferase 14, partial
 XP_001339749.3 polypeptide N-acetylgalactosaminyltransferase 16
 XP_004540063.1 polypeptide N-acetylgalactosaminyltransferase 16-like
 XP_003199061.1 polypeptide N-acetylgalactosaminyltransferase 18
 XP_006642562.1 polypeptide N-acetylgalactosaminyltransferase 18-like
 XP_006001031.1 polypeptide N-acetylgalactosaminyltransferase 18-like isoform X1
 XP_005810635.1 polypeptide N-acetylgalactosaminyltransferase 1-like
 NP_001121823.1 polypeptide N-acetylgalactosaminyltransferase 2
 XP_005459002.1 polypeptide N-acetylgalactosaminyltransferase 2 isoform X4
 XP_006636601.1 polypeptide N-acetylgalactosaminyltransferase 3-like
 XP_003444169.1 polypeptide N-acetylgalactosaminyltransferase 4
 NP_001038243.2 polypeptide N-acetylgalactosaminyltransferase 4 precursor
 XP_005172580.1 polypeptide N-acetylgalactosaminyltransferase 5-like
 NP_998361.1 polypeptide N-acetylgalactosaminyltransferase 6
 XP_004070476.1 polypeptide N-acetylgalactosaminyltransferase 6-like
 XP_005612759.1 polypeptide N-acetylgalactosaminyltransferase 9
 XP_004066751.1 polypeptide N-acetylgalactosaminyltransferase 9-like
 NP_001139074.1 polypeptide N-acetylgalactosaminyltransferase-like 6
 ETE69943.1 Polyphosphoinositide phosphatase, partial
 XP_006626354.1 polyphosphoinositide phosphatase-like
 XP_005914602.1 polyphosphoinositide phosphatase-like isoform X2
 NP_001038404.1 polyprenol reductase precursor
 YP_443922.1 polyprotein
 CAA73043.1 polyprotein; reverse transcriptase, RNase H
 XP_005163438.1 polypyrimidine tract binding protein 1a isoform X2
 NP_001093477.1 polypyrimidine tract-binding protein 2
 XP_005163402.1 polypyrimidine tract-binding protein 2 isoform X1
 XP_001335967.2 polypyrimidine tract-binding protein 3
 XP_693984.3 polyribonucleotide 5'-hydroxyl-kinase Clp1-like
 EMP26077.1 Polyribonucleotide nucleotidyltransferase 1
 XP_006638493.1 polyribonucleotide nucleotidyltransferase 1, mitochondrial-like
 XP_005469284.1 polyserase-2-like
 XP_004416081.1 polyubiquitin-B-like, partial
 XP_006074465.1 polyubiquitin-C-like
 ABH03466.1 POMT1
 AA129429.1 Pomt2 protein
 NP_001018636.1 popeye domain-containing protein 2 isoform 1
 NP_001001848.1 popeye domain-containing protein 3
 XP_006739769.1 porphobilinogen deaminase isoform X4
 NP_840087.1 posterior neuron-specific homeobox
 NP_001187310.1 post-GPI attachment to proteins factor 2
 CBN81402.1 Post-GPI attachment to proteins factor 3
 XP_006638317.1 post-GPI attachment to proteins factor 3-like
 NP_001092223.1 potassium channel subfamily K member 1
 XP_691684.4 potassium channel subfamily K member 10
 XP_687561.2 potassium channel subfamily K member 12-like
 XP_693218.4 potassium channel subfamily K member 13-like
 NP_001134246.1 Potassium channel subfamily K member 15 precursor
 XP_005799225.1 potassium channel subfamily K member 16-like
 XP_005158968.1 potassium channel subfamily K member 17-like
 XP_003978936.1 potassium channel subfamily K member 18-like
 XP_685425.2 potassium channel subfamily K member 1-like
 XP_005157223.1 potassium channel subfamily K member 2-like
 XP_700001.2 potassium channel subfamily K member 3-like

XP_003450492.1 potassium channel subfamily K member 4-like
 XP_006626426.1 potassium channel subfamily K member 5-like
 XP_006627643.1 potassium channel subfamily K member 6-like
 XP_006639627.1 potassium channel subfamily K member 9-like
 XP_004654149.1 potassium channel subfamily T member 1 isoform X1
 XP_692121.6 potassium channel subfamily T member 1-like
 XP_003451560.2 potassium channel subfamily T member 1-like isoform X1
 XP_005743156.1 potassium channel subfamily T member 1-like isoform X10
 XP_004566796.1 potassium channel subfamily T member 1-like isoform X12
 XP_005928897.1 potassium channel subfamily T member 1-like isoform X4
 XP_004071676.1 potassium channel subfamily T member 2-like
 XP_005164308.1 potassium channel subfamily T member 2-like isoform X1
 NP_919386.1 potassium channel tetramerisation domain containing 12.1
 XP_005163108.1 potassium channel tetramerisation domain containing 15a isoform X1
 AAI63117.1 Potassium channel tetramerisation domain containing 16a
 NP_001002224.1 potassium channel tetramerisation domain containing 4
 NP_001013585.2 potassium channel tetramerisation domain containing 9
 NP_001117783.1 potassium channel TSK2
 XP_005169840.1 potassium channel, subfamily K, member 10b isoform X1
 NP_001103587.1 potassium channel, subfamily K, member 13
 NP_956927.1 potassium channel, subfamily K, member 5b
 XP_005166942.1 potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1b isoform X1
 ABX89981.1 potassium inwardly-rectifying channel Kir2.5
 ABX89979.1 potassium inwardly-rectifying channel subfamily J member 2
 NP_001012387.1 potassium inwardly-rectifying channel, subfamily J, member 11, like
 AEO96823.2 potassium voltage-gated channel Kv1.3
 XP_695909.3 potassium voltage-gated channel subfamily A member 10-like
 XP_006633552.1 potassium voltage-gated channel subfamily A member 1-like
 NP_001104640.1 potassium voltage-gated channel subfamily A member 2
 XP_701294.4 potassium voltage-gated channel subfamily A member 2-like
 XP_005172172.1 potassium voltage-gated channel subfamily A member 3-like
 XP_687427.2 potassium voltage-gated channel subfamily A member 4 isoformX2
 XP_006781099.1 potassium voltage-gated channel subfamily A member 5-like
 XP_682848.4 potassium voltage-gated channel subfamily B member 1
 XP_006639605.1 potassium voltage-gated channel subfamily B member 1-like
 XP_683673.2 potassium voltage-gated channel subfamily B member 2 isoform X2
 XP_005164503.1 potassium voltage-gated channel subfamily C member 2 isoform X1
 XP_005164096.1 potassium voltage-gated channel subfamily C member 3 isoform X5
 XP_006807926.1 potassium voltage-gated channel subfamily C member 3-like isoform X3
 NP_001182125.1 potassium voltage-gated channel subfamily C member 4
 XP_006625346.1 potassium voltage-gated channel subfamily D member 1-like isoform X1
 NP_001076336.1 potassium voltage-gated channel subfamily D member 2 precursor
 XP_002189918.2 potassium voltage-gated channel subfamily D member 3
 NP_956096.1 potassium voltage-gated channel subfamily D member 3 precursor
 XP_006782818.1 potassium voltage-gated channel subfamily D member 3-like isoform X1
 XP_006639152.1 potassium voltage-gated channel subfamily E member 2-like
 XP_005157014.1 potassium voltage-gated channel subfamily F member 1
 XP_006638710.1 potassium voltage-gated channel subfamily G member 3-like isoform X1
 XP_694589.3 potassium voltage-gated channel subfamily G member 4-like
 XP_006638486.1 potassium voltage-gated channel subfamily H member 1-like
 XP_001918939.4 potassium voltage-gated channel subfamily H member 2-like
 XP_001919436.3 potassium voltage-gated channel subfamily H member 3
 XP_006636461.1 potassium voltage-gated channel subfamily H member 3-like
 XP_006638306.1 potassium voltage-gated channel subfamily H member 4-like
 XP_695830.5 potassium voltage-gated channel subfamily H member 4-like isoform X2
 NP_001263209.1 potassium voltage-gated channel subfamily H member 5
 XP_005160552.1 potassium voltage-gated channel subfamily H member 5 isoform X1
 XP_004698697.1 potassium voltage-gated channel subfamily H member 5 isoform X2
 XP_006632393.1 potassium voltage-gated channel subfamily H member 5-like
 XP_005165851.1 potassium voltage-gated channel subfamily H member 7 isoform X3
 XP_688778.4 potassium voltage-gated channel subfamily H member 7 isoform X4
 XP_006638224.1 potassium voltage-gated channel subfamily H member 7-like
 XP_698594.4 potassium voltage-gated channel subfamily H member 7-like isoform X2
 XP_001920653.3 potassium voltage-gated channel subfamily H member 8
 XP_005475215.1 potassium voltage-gated channel subfamily H member 8-like
 XP_001336600.5 potassium voltage-gated channel subfamily KQT member 1-like
 XP_004558123.1 potassium voltage-gated channel subfamily KQT member 1-like isoform X1
 XP_005010103.1 potassium voltage-gated channel subfamily KQT member 1-like isoform X3
 XP_005174277.1 potassium voltage-gated channel subfamily KQT member 1-like, partial
 XP_004947160.1 potassium voltage-gated channel subfamily KQT member 2 isoform X10
 XP_006500637.1 potassium voltage-gated channel subfamily KQT member 2 isoform X20
 XP_003198893.1 potassium voltage-gated channel subfamily KQT member 2, partial
 XP_005167175.1 potassium voltage-gated channel subfamily KQT member 2-like
 XP_005730832.1 potassium voltage-gated channel subfamily KQT member 2-like isoform X1
 XP_005948225.1 potassium voltage-gated channel subfamily KQT member 2-like isoform X2
 XP_003197981.1 potassium voltage-gated channel subfamily KQT member 3
 XP_005796700.1 potassium voltage-gated channel subfamily KQT member 3-like
 XP_005934155.1 potassium voltage-gated channel subfamily KQT member 3-like isoform X1

XP_005934156.1 potassium voltage-gated channel subfamily KQT member 3-like isoform X2
 XP_005298528.1 potassium voltage-gated channel subfamily KQT member 4
 XP_003968946.1 potassium voltage-gated channel subfamily KQT member 4-like
 XP_005917458.1 potassium voltage-gated channel subfamily KQT member 4-like isoform X3
 XP_005156990.1 potassium voltage-gated channel subfamily KQT member 5 isoform X1
 XP_697081.4 potassium voltage-gated channel subfamily KQT member 5 isoform X2
 ADD91543.1 potassium voltage-gated channel subfamily Q member 1
 XP_005946619.1 potassium voltage-gated channel subfamily S member 2-like isoform X1
 NP_001122196.1 potassium voltage-gated channel subfamily S member 3-like
 XP_688404.1 potassium voltage-gated channel subfamily V member 1-like
 XP_695650.4 potassium voltage-gated channel subfamily V member 2
 ADI87440.1 potassium voltage-gated channel zerg2
 ADI87441.1 potassium voltage-gated channel zerg24
 NP_001186999.1 potassium voltage-gated channel, Shab-related subfamily, member 2
 XP_005174320.1 potassium voltage-gated channel, Shaw-related subfamily, member 1b isoform X3
 NP_001182170.1 potassium voltage-gated channel, Shaw-related subfamily, member 3b
 NP_001076280.1 potassium voltage-gated channel, subfamily F, member 1a
 NP_001103499.1 potassium voltage-gated channel, subfamily G, member 4a
 NP_001265743.1 potassium voltage-gated channel, subfamily H (eag-related), member 1b
 NP_001118148.1 potassium voltage-gated channel, subfamily H (eag-related), member 2
 XP_005164065.1 potassium voltage-gated channel, subfamily H (eag-related), member 2 isoform X2
 EPY86414.1 potassium voltage-gated channel, subfamily H (eag-related), member 6 isoform 1
 AFC61177.1 potassium/chloride cotransporter kcc2

 XP_005282239.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1 isoform X1
 XP_004074765.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1-like
 XP_002663920.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1-like isoform X1

 XP_006789131.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1-like isoform X2
 XP_002939815.2 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2
 XP_005170577.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2 isoform X1

 XP_685414.3 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2 isoform X2
 XP_003198012.2 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2-like
 XP_005171516.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2-like, partial

 XP_689197.1 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4
 XP_684730.5 potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4-like
 XP_003450965.1 potassium-transporting ATPase alpha chain 1-like
 XP_005742857.1 POTE ankyrin domain family member B-like
 ADC96616.1 POU domain class 5 transcription factor 1
 AAH65961.1 POU domain gene 12
 AAP34392.1 POU domain transcription factor Bm3b-s
 XP_005167874.1 POU domain, class 2, transcription factor 1 isoform X6
 XP_005173565.1 POU domain, class 2, transcription factor 2 isoform X1
 XP_005159427.1 POU domain, class 2, transcription factor 2-like
 XP_001151894.3 POU domain, class 2, transcription factor 3
 NP_571236.1 POU domain, class 3, transcription factor 1
 NP_571235.1 POU domain, class 3, transcription factor 2
 XP_004077648.1 POU domain, class 3, transcription factor 2-like
 XP_006632932.1 POU domain, class 3, transcription factor 4-like
 XP_005165746.1 POU domain, class 4, transcription factor 1 isoform X1
 XP_006631858.1 POU domain, class 4, transcription factor 3-like
 XP_004560469.1 POU domain, class 6, transcription factor 1-like isoform X1
 EMP36789.1 POU domain, class 6, transcription factor 2, partial
 XP_005922584.1 POU domain, class 6, transcription factor 2-like
 NP_001038720.2 POU transcription factor isoform 2
 XP_688779.3 POZ-, AT hook-, and zinc finger-containing protein 1
 AAA49078.1 pp60c-scr
 AAY85267.1 PPARalpha-A, partial
 AAH55935.1 Ppfbp2 protein, partial
 AAH49009.1 Ppia protein, partial
 AAH71449.1 Ppig protein, partial
 AAH98558.1 Ppp1r12a protein
 AAI62976.1 Ppp1r3b protein
 ACI67865.1 PQ loop repeat-containing protein 3 precursor
 XP_001343142.4 PQ-loop repeat-containing protein 1 isoform X1
 XP_004568274.1 PQ-loop repeat-containing protein 1-like isoform X2
 ADO29243.1 pq-loop repeat-containing protein 2
 NP_001004615.1 PQ-loop repeat-containing protein 3
 NP_998575.1 PR domain containing 8
 XP_003911005.1 PR domain zinc finger protein 10 isoform 1
 XP_696154.4 PR domain zinc finger protein 10, partial
 XP_005936859.1 PR domain zinc finger protein 10-like isoform X1
 XP_006182028.1 PR domain zinc finger protein 12
 XP_001336591.2 PR domain zinc finger protein 13
 XP_005162706.1 PR domain zinc finger protein 14 isoform X3

XP_006634052.1	PR domain zinc finger protein 14-like
XP_006628096.1	PR domain zinc finger protein 15-like
XP_001337090.5	PR domain zinc finger protein 16
XP_005167358.1	PR domain zinc finger protein 16 isoform X3
XP_001922927.4	PR domain zinc finger protein 16 isoformX2
XP_003969256.1	PR domain zinc finger protein 1-like
XP_001343122.2	PR domain zinc finger protein 2
NP_001116215.1	PR domain zinc finger protein 4
NP_001002301.1	PR domain zinc finger protein 5
NP_001098575.1	PR domain zinc finger protein 8
CBN81399.1	PR domain zinc finger protein 9
AAW24438.1	PR domain-containing 1
ABY50451.1	PR110/striatin
XP_005468684.1	PRA1 family protein 2-like
NP_001187580.1	pra1 family protein 3
A2BID7.2	PRD10_DANRE RecName: Full=PR domain zinc finger protein 10; AltName: Full=PR domain-containing protein 10
XP_005172126.1	pre-B-cell leukemia homeobox 1 isoform X2
XP_005172127.1	pre-B-cell leukemia homeobox 1 isoform X3
NP_571687.1	pre-B-cell leukemia homeobox 2
NP_571522.1	pre-B-cell leukemia homeobox 4
NP_001073425.1	pre-B-cell leukemia homeobox interacting protein 1
XP_006496762.1	pre-B-cell leukemia transcription factor 1 isoform X1
XP_004068311.1	pre-B-cell leukemia transcription factor 1-like
XP_005451192.1	pre-B-cell leukemia transcription factor 1-like isoform X2
ELK07203.1	Pre-B-cell leukemia transcription factor 3
XP_003445587.2	pre-B-cell leukemia transcription factor 3 isoformX1
XP_005159533.1	pre-B-cell leukemia transcription factor-interacting protein 1 isoform X1
XP_005159534.1	pre-B-cell leukemia transcription factor-interacting protein 1 isoform X2
XP_002889945.1	predicted protein
NP_001038754.1	prefoldin subunit 2
NP_001018460.1	prefoldin subunit 3
NP_001188225.1	prefoldin subunit 5
EMP26585.1	Prefoldin subunit 6
ADM93270.1	pregnancy-associated plasma protein A
NP_001265734.1	pregnancy-associated plasma protein A, pappalysin 1a precursor
XP_005165645.1	pregnancy-associated plasma protein A, pappalysin 1b isoform X1
NP_001103993.1	preimplantation protein 4-like
NP_694503.1	prelamin-A/C
XP_005158224.1	prelamin-A/C isoform X1
NP_001018515.1	PRELI domain containing 1b
NP_956660.1	PRELI domain-containing protein 1, mitochondrial
XP_005157249.1	PRELI domain-containing protein 1, mitochondrial isoform X1
XP_696793.3	pre-miRNA 5'-monophosphate methyltransferase
XP_004068858.1	pre-miRNA 5'-monophosphate methyltransferase-like
XP_006526363.1	pre-mRNA 3' end processing protein WDR33 isoform X3
NP_001006042.1	pre-mRNA 3'-end-processing factor FIP1
XP_005456853.1	pre-mRNA 3'-end-processing factor FIP1-like isoform X6
NP_001007308.1	pre-mRNA cleavage complex 2 protein Pcf11
XP_005016555.1	pre-mRNA-processing factor 17
XP_532261.3	pre-mRNA-processing factor 17 isoform 1
NP_958875.1	pre-mRNA-processing factor 19
XP_004545452.1	pre-mRNA-processing factor 19-like
NP_001004520.1	pre-mRNA-processing factor 39
NP_938170.1	pre-mRNA-processing factor 40 homolog A
XP_003962022.1	pre-mRNA-processing factor 40 homolog A-like
XP_006167182.1	pre-mRNA-processing factor 6
XP_003904515.1	pre-mRNA-processing factor 6 isoform 2
XP_006639651.1	pre-mRNA-processing factor 6-like
EQB78297.1	pre-mRNA-processing-splicing factor 8
XP_003968425.1	pre-mRNA-processing-splicing factor 8-like
ACO09138.1	Pre-mRNA-splicing factor 18
XP_005050124.1	pre-mRNA-splicing factor 38A
XP_004068292.1	pre-mRNA-splicing factor 38A-like
XP_005166724.1	pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16 isoform X1
XP_004543175.1	pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16-like isoform X2
XP_005167954.1	pre-mRNA-splicing factor CWC22 homolog isoform X1
NP_998627.1	pre-mRNA-splicing factor CWC25 homolog
NP_001077032.1	pre-mRNA-splicing factor ISY1 homolog
XP_004793486.1	pre-mRNA-splicing factor ISY1 homolog isoform X1
XP_005953710.1	pre-mRNA-splicing factor ISY1 homolog, partial
NP_998379.1	pre-mRNA-splicing factor RBM22
XP_004073378.1	pre-mRNA-splicing factor SLU7-like
ADO28057.1	pre-mRNA-splicing factor spf27
XP_003442140.1	pre-mRNA-splicing factor SYF1
XP_004552159.1	pre-mRNA-splicing factor SYF1-like
ADO28192.1	pre-mRNA-splicing factor syf2
NP_956147.1	pre-mRNA-splicing regulator WTAP
NP_001017626.1	prenylcysteine oxidase precursor

XP_006631780.1 prenylcysteine oxidase-like
 XP_004550315.1 prenylcysteine oxidase-like isoform X1
 XP_005173948.1 prenylcysteine oxidase-like, partial
 AFS88931.1 prepro-CART
 NP_001187244.1 preproghrelin-1 precursor
 BAE03198.1 preproghrelin-2
 NP_001015044.1 prepronociceptin b precursor
 AEZ56940.1 prepro-orexin
 AET87127.1 prepropeptide YY
 BAI65853.1 prepro-thyrotropin-releasing hormone type B
 NP_991154.1 prepro-urotensin II-beta precursor
 XP_002666179.1 pre-rRNA processing protein FTSJ3 isoform 1
 XP_004067778.1 pre-rRNA processing protein FTSJ3-like
 XP_005157625.1 pre-rRNA-processing protein TSR1 homolog isoform X1
 XP_005169940.1 presenilin-1 isoform X2
 NP_001133459.1 Presenilin-2
 XP_004799381.1 presenilin-2 isoform X2
 XP_001331983.4 presenilins-associated rhomboid-like protein, mitochondrial-like
 NP_998652.1 presequence protease, mitochondrial precursor
 XP_005796640.1 presequence protease, mitochondrial-like
 NP_001018498.1 presqualene diphosphate phosphatase
 ACO09220.1 Presqualene diphosphate phosphatase B
 XP_006635349.1 presqualene diphosphate phosphatase-like
 XP_005443520.1 prestin
 XP_006633524.1 prestin-like
 XP_005939821.1 prickle-like protein 1-like isoform X1
 XP_005155883.1 prickle-like protein 2 isoform X1
 XP_005448561.1 prickle-like protein 3-like isoform X2
 XP_006807559.1 primary amine oxidase, liver isozyme-like
 XP_002660420.2 primary ciliary dyskinesia protein 1
 XP_005739901.1 primary ciliary dyskinesia protein 1-like
 AAI53662.1 Primase polypeptide 1
 AFN73056.1 prion protein 1
 Q32PL8.2 PRIPO_DANRE RecName: Full=DNA-directed primase/polymerase protein; AltName: Full=Coiled-coil domain-containing protein 111 homolog
 AAH90443.1 PRKAG3 protein, partial
 XP_005923572.1 PRKC apoptosis WT1 regulator protein-like
 NP_001133895.1 PRKCA-binding protein
 ETE71171.1 PRKCA-binding protein, partial
 AAH44492.1 Prmt7 protein, partial
 XP_005795035.1 proactivator polypeptide-like
 NP_001008619.1 probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial
 XP_005165823.1 probable 7,8-dihydro-8-oxoguanine triphosphatase NUDT15 isoform X1
 XP_005802751.1 probable acyl-CoA dehydrogenase 6-like
 XP_004069157.1 probable aminopeptidase NPEPL1-like
 XP_006626278.1 probable arginine--tRNA ligase, mitochondrial-like
 NP_956911.1 probable arginyl-tRNA synthetase, mitochondrial
 NP_001070623.1 probable asparaginyl-tRNA synthetase, mitochondrial
 XP_001919555.4 probable ATP-dependent DNA helicase HFM1
 XP_006634868.1 probable ATP-dependent DNA helicase HFM1-like
 XP_006786860.1 probable ATP-dependent DNA helicase HFM1-like isoform X2
 XP_001922220.1 probable ATP-dependent RNA helicase DDX10
 NP_001007320.1 probable ATP-dependent RNA helicase DDX11
 XP_001923830.1 probable ATP-dependent RNA helicase DDX17 isoform X1
 XP_005797285.1 probable ATP-dependent RNA helicase DDX17-like
 XP_005732515.1 probable ATP-dependent RNA helicase DDX20-like
 XP_006091566.1 probable ATP-dependent RNA helicase DDX23
 XP_006796572.1 probable ATP-dependent RNA helicase DDX23-like isoform X1
 NP_001002869.1 probable ATP-dependent RNA helicase DDX27
 XP_006789205.1 probable ATP-dependent RNA helicase DDX27-like
 NP_001070800.1 probable ATP-dependent RNA helicase DDX28
 XP_683832.1 probable ATP-dependent RNA helicase DDX31 isoform 1
 NP_957339.1 probable ATP-dependent RNA helicase DDX41
 XP_003970499.1 probable ATP-dependent RNA helicase DDX41-like
 XP_006783617.1 probable ATP-dependent RNA helicase DDX43-like
 NP_001019988.1 probable ATP-dependent RNA helicase DDX46
 XP_004071864.1 probable ATP-dependent RNA helicase DDX47-like isoform 1
 XP_005454090.1 probable ATP-dependent RNA helicase DDX49
 XP_005800937.1 probable ATP-dependent RNA helicase DDX49-like
 XP_006641144.1 probable ATP-dependent RNA helicase DDX52-like
 NP_001003876.1 probable ATP-dependent RNA helicase DDX56
 XP_005806912.1 probable ATP-dependent RNA helicase DDX56-like
 XP_004067997.1 probable ATP-dependent RNA helicase DDX59-like
 XP_006635273.1 probable ATP-dependent RNA helicase DDX55-like
 XP_004539285.1 probable ATP-dependent RNA helicase DDX55-like isoform X2
 XP_684923.1 probable ATP-dependent RNA helicase ddx6 isoform 1
 XP_005455146.1 probable ATP-dependent RNA helicase ddx6-like isoform X2
 NP_001121805.1 probable ATP-dependent RNA helicase DHX34
 XP_005735962.1 probable ATP-dependent RNA helicase DHX34-like

XP_004430458.1 probable ATP-dependent RNA helicase DHX35 isoform 3
 XP_004546031.1 probable ATP-dependent RNA helicase DHX35-like
 NP_001122016.1 probable ATP-dependent RNA helicase DHX36
 XP_005159264.1 probable ATP-dependent RNA helicase DHX36 isoform X1
 XP_005393116.1 probable ATP-dependent RNA helicase DHX36 isoform X2
 XP_004037921.1 probable ATP-dependent RNA helicase DHX36-like
 XP_005172500.1 probable ATP-dependent RNA helicase DHX37 isoform X3
 XP_004072223.1 probable ATP-dependent RNA helicase DHX37-like
 XP_005474686.1 probable ATP-dependent RNA helicase DHX40
 XP_005157504.1 probable ATP-dependent RNA helicase DHX40 isoform X2
 XP_698769.4 probable ATP-dependent RNA helicase DHX40 isoform X4
 NP_001265738.1 probable ATP-dependent RNA helicase DHX58
 XP_003473320.1 probable ATP-dependent RNA helicase YTHDC2
 XP_006258990.1 probable ATP-dependent RNA helicase YTHDC2-like
 XP_004071065.1 probable Bax inhibitor 1-like
 ADO27733.1 probable c->u-editing enzyme apobec-2
 NP_001070769.1 probable carboxypeptidase PM20D1.2 precursor
 XP_693256.4 probable carboxypeptidase X1
 XP_006629191.1 probable carboxypeptidase X1-like
 XP_005924106.1 probable carboxypeptidase X1-like isoform X2
 XP_694632.2 probable cationic amino acid transporter isoform X2
 XP_684639.2 probable cationic amino acid transporter-like
 NP_001121512.1 probable cation-transporting ATPase 13A1
 XP_006631625.1 probable cation-transporting ATPase 13A1-like
 XP_003442011.1 probable cation-transporting ATPase 13A1-like isoform X1
 XP_004559631.1 probable cation-transporting ATPase 13A1-like isoform X2
 XP_005162240.1 probable cation-transporting ATPase 13A2 isoform X1
 XP_005989476.1 probable cation-transporting ATPase 13A3
 XP_006637789.1 probable cation-transporting ATPase 13A3-like
 XP_006635684.1 probable C-mannosyltransferase DPY19L1-like
 XP_001337404.2 probable C-mannosyltransferase DPY19L3 isoform X1
 XP_005166518.1 probable C-mannosyltransferase DPY19L3 isoform X2
 XP_005447810.1 probable C-mannosyltransferase DPY19L3-like isoform X2
 XP_005452911.1 probable C-mannosyltransferase DPY19L4-like
 XP_005448328.1 probable crossover junction endonuclease EME2-like isoform X2
 XP_682732.4 probable cysteine--tRNA ligase, mitochondrial
 XP_004072476.1 probable dimethyladenosine transferase-like
 XP_003451727.1 probable dimethyladenosine transferase-like isoform X1
 NP_956167.1 probable D-lactate dehydrogenase, mitochondrial
 NP_001017647.1 probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
 XP_006628144.1 probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase-like
 XP_006006419.1 probable D-tyrosyl-tRNA(Tyr) deacylase 2
 XP_002918558.1 probable D-tyrosyl-tRNA(Tyr) deacylase 2-like
 NP_001139882.1 Probable D-tyrosyl-tRNA(Tyr) deacylase 2
 XP_003199908.2 probable E3 SUMO-protein ligase RNF212-like
 XP_003200223.1 probable E3 ubiquitin ligase complex SCF subunit sconB-like isoform X1
 XP_005458301.1 probable E3 ubiquitin-protein ligase DTX2-like isoform X2
 XP_005473809.1 probable E3 ubiquitin-protein ligase HECTD2
 XP_005169113.1 probable E3 ubiquitin-protein ligase HECTD4-like
 XP_005729504.1 probable E3 ubiquitin-protein ligase HECTD4-like isoform X3
 XP_005729506.1 probable E3 ubiquitin-protein ligase HECTD4-like isoform X5
 XP_003228124.1 probable E3 ubiquitin-protein ligase HERC1
 XP_003200872.2 probable E3 ubiquitin-protein ligase HERC1-like
 XP_005168975.1 probable E3 ubiquitin-protein ligase HERC1-like isoform X1
 XP_698091.2 probable E3 ubiquitin-protein ligase HERC1-like isoform X2
 NP_001139096.1 probable E3 ubiquitin-protein ligase HERC3
 XP_004065976.1 probable E3 ubiquitin-protein ligase HERC3-like
 XP_005160160.1 probable E3 ubiquitin-protein ligase HERC4 isoform X1
 XP_688463.5 probable E3 ubiquitin-protein ligase HERC4 isoform X2
 XP_005928407.1 probable E3 ubiquitin-protein ligase HERC4-like
 XP_006802127.1 probable E3 ubiquitin-protein ligase HERC6-like
 XP_005916011.1 probable E3 ubiquitin-protein ligase HERC6-like isoform X1
 XP_005720809.1 probable E3 ubiquitin-protein ligase HERC6-like isoform X2
 NP_694510.1 probable E3 ubiquitin-protein ligase makorin-1
 ADO28108.1 probable e3 ubiquitin-protein ligase makorin-2
 XP_006643446.1 probable E3 ubiquitin-protein ligase makorin-2-like, partial
 NP_956173.1 probable E3 ubiquitin-protein ligase MGRN1
 XP_005164385.1 probable E3 ubiquitin-protein ligase MGRN1 isoform X1
 XP_004552248.1 probable E3 ubiquitin-protein ligase MGRN1-like isoform X1
 XP_003199643.1 probable E3 ubiquitin-protein ligase MGRN1-like isoform X2
 XP_003199950.2 probable E3 ubiquitin-protein ligase MID2-like
 XP_005806844.1 probable E3 ubiquitin-protein ligase MID2-like isoform X2
 XP_004545579.1 probable E3 ubiquitin-protein ligase MID2-like isoform X4
 XP_004545580.1 probable E3 ubiquitin-protein ligase MID2-like isoform X5
 NP_001012247.2 probable E3 ubiquitin-protein ligase MYCBP2
 XP_006639089.1 probable E3 ubiquitin-protein ligase MYCBP2-like
 XP_004790210.1 probable E3 ubiquitin-protein ligase RNF144A isoform X1
 NP_001038674.1 probable E3 ubiquitin-protein ligase RNF144A-A
 NP_001002727.1 probable E3 ubiquitin-protein ligase RNF144A-B

XP_002921239.1 probable E3 ubiquitin-protein ligase RNF144A-like
 NP_001076322.1 probable E3 ubiquitin-protein ligase RNF217
 XP_006630933.1 probable E3 ubiquitin-protein ligase TRIM8-like
 ACO09973.1 Probable ergosterol biosynthetic protein 28
 XP_003199355.2 probable exonuclease mut-7 homolog
 XP_005939447.1 probable flap endonuclease 1 homolog
 XP_005721036.1 probable flap endonuclease 1 homolog isoform X1
 NP_001187836.1 probable fructose-26-bisphosphatase tigar a
 XP_004560897.1 probable G protein-coupled receptor 85-like isoform X1
 NP_001093467.1 probable global transcription activator SNF2L1
 XP_005509157.1 probable global transcription activator SNF2L1-like
 NP_001038240.1 probable global transcription activator SNF2L2 isoform 2
 XP_006797836.1 probable global transcription activator SNF2L2-like
 XP_006637166.1 probable glutamate--tRNA ligase, mitochondrial-like
 XP_006817081.1 probable GPI-anchored adhesin-like protein PGA55-like
 XP_005173281.1 probable G-protein coupled receptor 101-like isoform X1
 XP_005160867.1 probable G-protein coupled receptor 110-like
 XP_001333845.3 probable G-protein coupled receptor 112-like
 XP_005158643.1 probable G-protein coupled receptor 113-like
 XP_693839.3 probable G-protein coupled receptor 116
 XP_005160866.1 probable G-protein coupled receptor 116-like
 XP_689338.4 probable G-protein coupled receptor 123-like
 XP_005735164.1 probable G-protein coupled receptor 125-like
 XP_005995823.1 probable G-protein coupled receptor 128
 XP_003966662.1 probable G-protein coupled receptor 128-like
 XP_005172366.1 probable G-protein coupled receptor 132
 XP_006632638.1 probable G-protein coupled receptor 132-like
 XP_005940276.1 probable G-protein coupled receptor 132-like isoform X1
 XP_003199178.2 probable G-protein coupled receptor 133
 XP_004544188.1 probable G-protein coupled receptor 133-like isoform X1
 XP_004544191.1 probable G-protein coupled receptor 133-like isoform X4
 XP_006628449.1 probable G-protein coupled receptor 139-like
 ACO10092.1 Probable G-protein coupled receptor 141
 XP_001343069.2 probable G-protein coupled receptor 141-like
 XP_001340684.2 probable G-protein coupled receptor 142-like
 XP_700487.6 probable G-protein coupled receptor 144
 XP_006792142.1 probable G-protein coupled receptor 144-like
 XP_005170600.1 probable G-protein coupled receptor 144-like, partial
 NP_001073488.1 probable G-protein coupled receptor 146
 XP_004427719.1 probable G-protein coupled receptor 148-like
 XP_003968435.1 probable G-protein coupled receptor 149-like
 XP_005156649.1 probable G-protein coupled receptor 151-like
 XP_005169144.1 probable G-protein coupled receptor 153-like
 XP_005167483.1 probable G-protein coupled receptor 156-like isoform X1
 XP_697068.4 probable G-protein coupled receptor 158-like
 XP_005162591.1 probable G-protein coupled receptor 158-like isoform X1
 XP_005162592.1 probable G-protein coupled receptor 158-like isoform X2
 XP_005167344.1 probable G-protein coupled receptor 160
 NP_571573.1 probable G-protein coupled receptor 173
 XP_006633030.1 probable G-protein coupled receptor 174-like
 NP_001122183.1 probable G-protein coupled receptor 176
 XP_003199496.1 probable G-protein coupled receptor 179-like
 XP_005475770.1 probable G-protein coupled receptor 19-like isoform X1
 XP_005174488.1 probable G-protein coupled receptor 21-like
 XP_005170723.1 probable G-protein coupled receptor 22-like
 XP_001335309.3 probable G-protein coupled receptor 25-like
 XP_003201499.2 probable G-protein coupled receptor 37-like
 XP_005170560.1 probable G-protein coupled receptor 52-like
 XP_006626292.1 probable G-protein coupled receptor 63-like
 XP_005157070.1 probable G-protein coupled receptor 75-like
 XP_005167849.1 probable G-protein coupled receptor 82-like
 XP_001342488.2 probable G-protein coupled receptor 83-like
 XP_001342529.1 probable G-protein coupled receptor 88
 XP_001339829.5 probable G-protein coupled receptor 97-like
 XP_005166173.1 probable G-protein coupled receptor-like
 XP_690945.5 probable helicase senataxin isoform X2
 XP_006640746.1 probable helicase senataxin-like
 NP_998431.1 probable helicase with zinc finger domain
 XP_004287912.1 probable histone-lysine N-methyltransferase ATXR3-like
 NP_001076020.1 probable histone-lysine N-methyltransferase NSD2
 XP_004022816.1 probable histone-lysine N-methyltransferase PRDM7-like
 NP_001243139.1 probable hydrolase PNKD
 NP_001159825.2 probable imidazolonepropionase
 XP_684212.4 probable inactive glycosyltransferase 25 family member 3 isoform 1
 XP_006640695.1 probable inactive protein kinase-like protein SgK071-like
 XP_005156143.1 probable JmjC domain-containing histone demethylation protein 2C isoform X3
 XP_686742.3 probable JmjC domain-containing histone demethylation protein 2C isoform X5
 XP_006630553.1 probable JmjC domain-containing histone demethylation protein 2C-like
 XP_005999052.1 probable leucine--tRNA ligase, mitochondrial

XP_006635672.1 probable leucine--tRNA ligase, mitochondrial-like
 NP_001099171.1 probable leucyl-tRNA synthetase, mitochondrial
 ACN10760.1 Probable leucyl-tRNA synthetase, mitochondrial precursor
 NP_991223.1 probable lipid phosphate phosphatase PPAPDC3
 XP_005810123.1 probable lipid phosphate phosphatase PPAPDC3-like
 XP_003897846.1 probable lysosomal cobalamin transporter
 XP_001921874.4 probable methyltransferase TARBP1
 XP_003441186.1 probable methyltransferase TARBP1-like isoform X1
 XP_005169003.1 probable methyltransferase-like protein 15-like isoform X4
 NP_001187820.1 probable n-acetyltransferase camello
 ADO27731.1 probable o-sialoglycoprotein endopeptidase
 XP_006635956.1 probable palmitoyltransferase ZDHHC11-like
 XP_697586.4 probable palmitoyltransferase ZDHHC12-like isoform X2
 NP_001038652.1 probable palmitoyltransferase ZDHHC14
 XP_005995144.1 probable palmitoyltransferase ZDHHC14 isoform X3
 XP_006626251.1 probable palmitoyltransferase ZDHHC14-like
 XP_005156851.1 probable palmitoyltransferase ZDHHC16 isoform X1
 XP_691086.3 probable palmitoyltransferase ZDHHC1-like
 XP_005162815.1 probable palmitoyltransferase ZDHHC20-like isoform X2
 XP_005799643.1 probable palmitoyltransferase ZDHHC21-like
 NP_001003757.1 probable palmitoyltransferase ZDHHC23
 XP_001923963.2 probable palmitoyltransferase ZDHHC23 isoform X1
 NP_840089.2 probable palmitoyltransferase ZDHHC8
 NP_001187993.1 probable pancreatic secretory proteinase inhibitor precursor
 XP_002664355.1 probable pancreatic secretory proteinase inhibitor-like isoform I
 NP_001013348.1 probable peptidyl-tRNA hydrolase
 NP_001003461.1 probable phosphatase phospho1
 XP_005143517.1 probable phospholipid-transporting ATPase FetA-like
 XP_006727381.1 probable phospholipid-transporting ATPase IA
 XP_005467409.1 probable phospholipid-transporting ATPase IA isoform X4
 XP_005467411.1 probable phospholipid-transporting ATPase IA isoform X6
 XP_006629945.1 probable phospholipid-transporting ATPase IA-like
 XP_005935251.1 probable phospholipid-transporting ATPase IA-like isoform X1
 XP_005162794.1 probable phospholipid-transporting ATPase IB isoform X4
 XP_005912307.1 probable phospholipid-transporting ATPase IB-like
 XP_006794603.1 probable phospholipid-transporting ATPase IB-like isoform X2
 XP_003201102.2 probable phospholipid-transporting ATPase IC
 XP_005932552.1 probable phospholipid-transporting ATPase IC-like
 XP_691903.2 probable phospholipid-transporting ATPase ID
 XP_006628757.1 probable phospholipid-transporting ATPase ID-like
 XP_005163221.1 probable phospholipid-transporting ATPase ID-like isoform X1
 XP_687715.4 probable phospholipid-transporting ATPase ID-like isoform X2
 XP_003200229.2 probable phospholipid-transporting ATPase ID-like, partial
 XP_005170609.1 probable phospholipid-transporting ATPase IF isoform X1
 XP_005170610.1 probable phospholipid-transporting ATPase IF isoform X2
 XP_005736986.1 probable phospholipid-transporting ATPase IF-like
 XP_006263559.1 probable phospholipid-transporting ATPase IF-like, partial
 XP_002664465.3 probable phospholipid-transporting ATPase IG isoform X1
 XP_005173286.1 probable phospholipid-transporting ATPase IG isoform X4
 XP_004273718.1 probable phospholipid-transporting ATPase IH
 XP_005171059.1 probable phospholipid-transporting ATPase IH isoform X2
 XP_005171061.1 probable phospholipid-transporting ATPase IH isoform X4
 XP_006639327.1 probable phospholipid-transporting ATPase IH-like
 NP_989232.1 probable phospholipid-transporting ATPase IIA
 XP_004560373.1 probable phospholipid-transporting ATPase IIA-like
 XP_005174184.1 probable phospholipid-transporting ATPase IIA-like, partial
 NP_001038619.1 probable phospholipid-transporting ATPase IIB
 XP_005170114.1 probable phospholipid-transporting ATPase IIB isoform X1
 XP_004569344.1 probable phospholipid-transporting ATPase IIB-like
 XP_003447312.1 probable phospholipid-transporting ATPase IIB-like isoform X1
 XP_005943600.1 probable phospholipid-transporting ATPase IIB-like isoform X2
 XP_003735482.1 probable phospholipid-transporting ATPase IK-like
 XP_695556.2 probable phospholipid-transporting ATPase VA
 XP_004552870.1 probable phospholipid-transporting ATPase VA-like
 XP_692383.5 probable phospholipid-transporting ATPase VB
 XP_005156631.1 probable phospholipid-transporting ATPase VD isoform X1
 XP_006629887.1 probable phospholipid-transporting ATPase VD-like
 XP_682975.3 probable polyketide synthase 1
 XP_696970.2 probable polypeptide N-acetylgalactosaminyltransferase 8
 XP_006795901.1 probable polypeptide N-acetylgalactosaminyltransferase 8-like
 NP_001002391.1 probable proline dehydrogenase 2
 NP_991118.1 probable prolyl-tRNA synthetase, mitochondrial
 XP_005165265.1 probable ribonuclease ZC3H12B isoform X2
 XP_003764299.1 probable ribonuclease ZC3H12C
 XP_004573083.1 probable ribonuclease ZC3H12C-like
 NP_001035427.1 probable ribosome biogenesis protein NEP1
 NP_001007345.1 probable RNA polymerase II nuclear localization protein SLC7A6OS
 XP_005170922.1 probable RNA-binding protein 46 isoform X1
 XP_004068122.1 probable rRNA-processing protein EBP2-like

NP_001133323.1	Probable saccharopine dehydrogenase
NP_954972.1	probable serine carboxypeptidase CPVL precursor
NP_001003502.1	probable serine protease HTRA3 precursor
XP_006780616.1	probable serine racemase-like
XP_005168430.1	probable serine/threonine-protein kinase kinX isoform X2
XP_004568519.1	probable serine/threonine-protein kinase kinX-like
XP_005803053.1	probable serpin E3-like
ADO27904.1	probable signal peptidase complex subunit 2
NP_001018308.1	probable sodium-coupled neutral amino acid transporter 6
XP_006632389.1	probable sodium-coupled neutral amino acid transporter 6-like
ACQ58065.1	Probable thiopurine S-methyltransferase
XP_006780537.1	probable threonine--tRNA ligase 2, cytoplasmic-like
XP_003966954.1	probable tRNA (uracil-O(2)-)-methyltransferase-like
NP_001005301.1	probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
XP_006633270.1	probable tRNA N6-adenosine threonylcarbamoyltransferase-like
XP_005814416.1	probable tRNA pseudouridine synthase 1-like
ADO28198.1	probable tRNA pseudouridine synthase 2
XP_003970579.1	probable tRNA(His) guanylyltransferase-like
NP_001134106.1	Probable tRNAHis guanylyltransferase
XP_005811990.1	probable tubulin polyglutamylase TTLL1-like
XP_005923670.1	probable tubulin polyglutamylase TTLL1-like isoform X1
XP_006625793.1	probable tubulin polyglutamylase TTLL2-like
ADO28028.1	probable tubulin polyglutamylase ttll9
XP_005478295.1	probable tubulin polyglutamylase TTLL9-like
ADO28080.1	probable u3 small nucleolar RNA-associated protein 11
XP_005167793.1	probable ubiquitin carboxyl-terminal hydrolase FAF-X isoform X1
XP_005733825.1	probable ubiquitin carboxyl-terminal hydrolase FAF-X-like isoform X6
XP_003408272.1	probable ubiquitin-conjugating enzyme E2 W-like
NP_956948.1	probable UDP-sugar transporter protein SLC35A5
ACO08895.1	Probable uracil phosphoribosyltransferase 1
CBN81541.1	Probable vesicular acetylcholine transporter
NP_001071018.1	probable vesicular acetylcholine transporter-A
XP_005513226.1	probable vesicular-fusion protein sec17 homolog isoform X2
NP_996962.1	probable Xaa-Pro aminopeptidase 3
AAI54335.1	Proc protein
NP_956754.1	procollagen C-endopeptidase enhancer 2 precursor
XP_004081148.1	procollagen C-endopeptidase enhancer 2-like
NP_001122259.1	procollagen C-endopeptidase enhancer b precursor
XP_694217.2	procollagen galactosyltransferase 1
XP_005160260.1	procollagen galactosyltransferase 1 isoform X1
XP_002664798.1	procollagen galactosyltransferase 1, partial
XP_006631559.1	procollagen galactosyltransferase 1-like
XP_686329.4	procollagen galactosyltransferase 2
NP_001123548.1	procollagen galactosyltransferase 2 precursor
XP_004085089.1	procollagen galactosyltransferase 2-like
AAH85460.1	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2
XP_005172545.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 isoform X1
NP_001071210.2	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor
NP_001082933.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 isoform 2 precursor
XP_003439258.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 isoform X1
XP_005722784.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2-like isoform X1
XP_006637769.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2-like isoform X2
XP_002666609.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 isoform X1
XP_005477789.1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3-like isoform X2
NP_001187865.1	prodynorphin precursor
NP_956377.1	proenkephalin-A precursor
XP_005157371.1	pro-epidermal growth factor isoform X1
XP_003970692.1	pro-epidermal growth factor-like
XP_002666598.1	profilin-1 isoform 1
NP_001159807.1	progesterone receptor
BAO48148.1	progesterone receptor 1
XP_005159974.1	progesterone-induced-blocking factor 1 isoform X1
XP_005812223.1	progesterone-induced-blocking factor 1-like
XP_005243295.1	progesterin and adipoQ receptor family member 3
XP_005922045.1	progesterin and adipoQ receptor family member 3-like isoform X1
XP_001920113.1	progesterin and adipoQ receptor family member 4-like
XP_693997.1	progesterin and adipoQ receptor family member 4-like isoform 1
XP_005158450.1	progesterin and adipoQ receptor family member 6 isoform X1
XP_006641879.1	progesterin and adipoQ receptor family member 6-like
XP_004568627.1	progesterin and adipoQ receptor family member 6-like isoform X1
NP_001118045.1	progesterin membrane receptor component 2
AAS57648.1	proglucagon I
NP_001187117.1	proglucagon II precursor
NP_998153.1	programmed cell death 4a
NP_998525.2	programmed cell death 6 interacting protein
XP_005797384.1	programmed cell death 6-interacting protein-like isoform X3
AAH93108.2	Programmed cell death 7
XP_006002543.1	programmed cell death protein 10
ADO28370.1	programmed cell death protein 2

NP_945329.1 programmed cell death protein 4
 XP_005698528.1 programmed cell death protein 4 isoform X1
 XP_004549508.1 programmed cell death protein 4-like isoform X2
 ACM09689.1 Programmed cell death protein 6
 ERE85897.1 progressive ankylosis protein
 XP_004384126.1 progressive ankylosis protein homolog
 XP_006634380.1 progressive ankylosis protein homolog B-like
 NP_001264527.1 progressive external ophthalmoplegia 1
 XP_005163854.1 prohibitin isoform X1
 XP_004569375.1 prohibitin-2-like
 XP_003198946.2 pro-interleukin-16-like, partial
 NP_001166878.1 Prokineticin receptor 1-like
 NP_001166877.1 prokineticin receptor 2
 NP_001099168.1 prokineticin-1 precursor
 AAK95833.1 prolactin receptor
 NP_001106972.1 prolactin receptor b
 AAV71059.1 prolactin receptor form b
 XP_003966693.1 prolactin receptor-like
 NP_001002638.1 prolactin regulatory element-binding protein
 NP_001108619.1 prolactin releasing hormone 2 receptor
 NP_001108618.1 prolactin releasing hormone receptor 2b
 XP_006633691.1 prolactin-like
 ACA13174.1 prolactin-like protein
 NP_001034615.1 prolactin-releasing peptide receptor
 NP_001002070.1 proliferation-associated 2G4, a
 NP_997806.1 proliferation-associated 2G4-like
 XP_684322.3 proline and serine-rich protein 1-like isoform X2
 XP_006633410.1 proline and serine-rich protein 2-like
 ACH85267.1 proline dehydrogenase 1
 XP_006803913.1 proline dehydrogenase 1, mitochondrial-like
 XP_005928917.1 proline dehydrogenase 1, mitochondrial-like isoform X1
 XP_003198647.2 proline dehydrogenase 1, mitochondrial-like, partial
 NP_001119881.1 proline synthase co-transcribed bacterial homolog protein
 XP_001339018.3 proline-, glutamic acid- and leucine-rich protein 1-like
 NP_001167240.1 Proline-rich AKT1 substrate 1
 XP_005916779.1 proline-rich membrane anchor 1-like isoform X2
 XP_006793595.1 proline-rich nuclear receptor coactivator 1-like
 XP_005455372.1 proline-rich nuclear receptor coactivator 2-like
 XP_006807909.1 proline-rich protein 12-like isoform X2
 XP_003200626.1 proline-rich protein 15-like
 NP_001003478.1 proline-rich protein 15-like protein A
 NP_001187745.1 proline-rich protein 15-like protein-b
 XP_006626913.1 proline-rich protein 16-like
 XP_005156569.1 proline-rich protein 18-like
 XP_005157721.1 proline-rich protein 24-like
 NP_001191393.1 proline-rich protein 5
 XP_685820.3 proline-rich protein 5-like
 XP_005173936.1 proline-rich protein 7-like isoform X2
 XP_688192.3 proline-rich transmembrane protein 1
 XP_002663950.2 proline-rich transmembrane protein 2-like
 XP_004556535.1 proline-rich transmembrane protein 2-like isoform X1
 XP_005159076.1 proline-rich transmembrane protein 4-like
 ABD64617.1 proline-serine-threonine phosphatase-interacting protein 2
 XP_003201113.1 prollyl 3-hydroxylase 2
 XP_004550880.1 prollyl 3-hydroxylase 3-like
 XP_006271652.1 prollyl 4-hydroxylase subunit alpha-1 isoform X4
 XP_003963798.1 prollyl 4-hydroxylase subunit alpha-1-like
 NP_001007286.1 prollyl 4-hydroxylase subunit alpha-2 precursor
 XP_004459793.1 prollyl 4-hydroxylase subunit alpha-2-like
 XP_005156134.1 prollyl 4-hydroxylase, alpha polypeptide I a isoform X1
 XP_005158713.1 prollyl 4-hydroxylase, alpha polypeptide I b isoform X1
 NP_999856.1 prollyl 4-hydroxylase, alpha polypeptide I b precursor
 XP_005426660.1 prollyl endopeptidase
 XP_006792578.1 prollyl endopeptidase-like
 XP_004077049.1 prollyl-tRNA synthetase associated domain-containing protein 1-like isoform 1
 ACJ64086.1 pro-melanin concentrating hormone
 XP_005170966.1 prominin-1 isoform X1
 XP_005170971.1 prominin-1 isoform X6
 XP_005157402.1 prominin-1-A isoform X2
 XP_005157403.1 prominin-1-A isoform X3
 XP_005157407.1 prominin-1-A isoform X7
 XP_005726575.1 prominin-1-A-like isoform X7
 XP_005936797.1 prominin-1-A-like isoform X8
 ADY06443.1 prominin-3
 ABC69311.1 prominin-like 3
 ADB90284.1 promyelocytic leukemia zinc finger protein
 NP_001264014.1 pro-neuregulin-1, membrane-bound isoform isoform IIb1
 XP_005155520.1 pro-neuregulin-1, membrane-bound isoform isoform X1
 XP_006632020.1 pro-neuregulin-2, membrane-bound isoform-like

XP_006800054.1 pro-neuregulin-2, membrane-bound isoform-like isoform X1
 XP_005156311.1 pro-neuregulin-3, membrane-bound isoform-like
 ABY26307.1 proopiomelanocortin
 NP_001187105.1 proopiomelanocortin precursor
 XP_002937132.1 propionyl-CoA carboxylase alpha chain, mitochondrial
 XP_005951198.1 propionyl-CoA carboxylase alpha chain, mitochondrial-like
 EMP42641.1 Propionyl-CoA carboxylase beta chain
 NP_998090.1 propionyl-CoA carboxylase beta chain, mitochondrial
 XP_005163429.1 propionyl-CoA carboxylase beta chain, mitochondrial isoform X1
 XP_006637759.1 propionyl-CoA carboxylase beta chain, mitochondrial-like
 NP_001159601.1 proprotein convertase subtilisin/kexin type 1 inhibitor, like precursor
 XP_003198725.2 proprotein convertase subtilisin/kexin type 5
 NP_001077298.1 proprotein convertase subtilisin/kexin type 5b preproprotein
 XP_002666956.3 proprotein convertase subtilisin/kexin type 5-like
 XP_005473480.1 proprotein convertase subtilisin/kexin type 5-like isoform X2
 XP_005990209.1 proprotein convertase subtilisin/kexin type 6
 XP_006628891.1 proprotein convertase subtilisin/kexin type 6-like
 NP_001076494.1 proprotein convertase subtilisin/kexin type 7 precursor
 XP_006642391.1 proprotein convertase subtilisin/kexin type 7-like
 XP_005804632.1 proprotein convertase subtilisin/kexin type 7-like, partial
 XP_003200725.1 proprotein convertase subtilisin/kexin type 9
 XP_006635074.1 proprotein convertase subtilisin/kexin type 9-like
 ABI93777.1 proprotein convertase subtilisin/kexin type5a
 AHI42569.1 prosaposin
 XP_005156574.1 prosaposin isoform X1
 NP_001165058.1 prospero homeobox 1b
 XP_005476961.1 prospero homeobox protein 1-like
 ABN03942.1 prospero-related homeobox protein
 NP_001104630.1 prostacyclin synthase
 NP_001159763.1 prostaglandin E receptor 1c (subtype EP1)
 NP_001014828.1 prostaglandin E synthase
 NP_956574.1 prostaglandin E synthase 2
 XP_006631705.1 prostaglandin E2 receptor EP1 subtype-like
 XP_001340725.3 prostaglandin E2 receptor EP3 subtype-like
 XP_003974923.1 prostaglandin E2 receptor EP4 subtype-like
 NP_001025421.1 prostaglandin E2 receptor subtype EP2-like
 XP_005168370.1 prostaglandin F2 receptor negative regulator-like
 XP_001920603.1 prostaglandin F2-alpha receptor-like
 NP_705942.1 prostaglandin G/H synthase 1 precursor
 XP_006640685.1 prostaglandin G/H synthase 1-like
 NP_001020675.1 prostaglandin G/H synthase 2 precursor
 ADO28045.1 prostaglandin reductase 1
 XP_005453171.1 prostaglandin reductase 1-like
 NP_001187784.1 prostaglandin reductase 2
 NP_705943.1 prostaglandin-endoperoxide synthase 2 precursor
 NP_001002596.1 prostasin precursor
 NP_001232875.1 prostate stem cell antigen precursor-like
 XP_698291.1 prostate stem cell antigen-like
 XP_003450926.1 prostate-associated microseminoprotein-like
 CAB53561.1 protease
 CAB39733.1 protease, reverse transcriptase, ribonuclease H, integrase
 XP_005162019.1 proteasomal ubiquitin receptor ADRM1 isoform X1
 XP_006639745.1 proteasomal ubiquitin receptor ADRM1-like
 NP_001133204.1 proteasome (prosome, macropain) 26S subunit, non ATPase, 3-2
 XP_005156263.1 proteasome (prosome, macropain) activator subunit 4b isoform X1
 XP_005161036.1 proteasome 26S non-ATPase subunit 5 isoform X1
 NP_001244038.1 proteasome activator complex subunit 1
 AHG98135.1 proteasome activator complex subunit 1-1, partial
 ADO28424.1 proteasome activator complex subunit 2
 NP_571451.2 proteasome activator complex subunit 3
 NP_001233589.1 proteasome activator complex subunit 4
 XP_005163235.1 proteasome activator complex subunit 4 isoform X1
 NP_001177949.1 proteasome activator complex subunit 4B
 XP_005158685.1 proteasome alpha 6a subunit isoform X1
 ABD65502.1 proteasome alpha 7 subunit
 NP_001187773.1 proteasome assembly chaperone 2
 NP_001187994.1 proteasome assembly chaperone 3
 XP_002667418.1 proteasome assembly chaperone 4-like
 NP_571752.1 proteasome beta 10 subunit
 NP_001188200.1 proteasome inhibitor PI31 subunit
 ADO28412.1 proteasome maturation protein
 BAD89555.1 proteasome subunit
 XP_003965974.1 proteasome subunit alpha type-2-like
 XP_005506445.1 proteasome subunit alpha type-3
 ELK30754.1 Proteasome subunit alpha type-5
 XP_005322784.1 proteasome subunit alpha type-6
 XP_005912915.1 proteasome subunit alpha type-7-like
 XP_005164999.1 proteasome subunit beta type-10 isoform X1
 XP_006638470.1 proteasome subunit beta type-1-B-like

XP_003969262.1	proteasome subunit beta type-2-like
NP_001188163.1	proteasome subunit beta type-3
ADO27730.1	proteasome subunit beta type-4
ADO27969.1	proteasome subunit beta type-5
XP_005740284.1	proteasome subunit beta type-5-like
XP_006114701.1	proteasome subunit beta type-6
ACO13255.1	Proteasome subunit beta type-6 precursor
ADO27820.1	proteasome subunit beta type-7
NP_571467.3	proteasome subunit beta type-8
NP_571466.1	proteasome subunit beta type-9
NP_001155958.1	proteasome-associated protein ECM29 homolog
XP_005456869.1	proteasome-associated protein ECM29 homolog isoform X4
NP_001232889.1	protection of telomeres protein 1
XP_005163177.1	protection of telomeres protein 1 isoform X2
XP_004069473.1	protection of telomeres protein 1-like
XP_001920461.3	protein 4.1
XP_006631338.1	protein 4.1-like
EMP37708.1	Protein AATF
NP_001187592.1	Protein ADP-ribosylarginine hydrolase
XP_005806837.1	Protein ADP-ribosylarginine hydrolase-like
XP_006810123.1	Protein ADP-ribosylarginine hydrolase-like isoform X1
XP_003201338.2	protein AF-10 isoform X1
XP_005162682.1	protein AF-10 isoform X5
XP_005162685.1	protein AF-10 isoform X8
XP_006634467.1	protein AF-10-like
NP_001017819.1	protein AF-9
XP_005172269.1	protein AF-9 isoform X1
NP_957412.2	protein AMBP precursor
NP_001187317.1	protein AMN1 homolog
XP_698034.2	protein angel homolog 1-like
XP_005308268.1	protein ANKUB1
XP_005924723.1	protein APCDD1-like
XP_006009887.1	protein APCDD1-like isoform X1
NP_001187153.1	protein archease
NP_001244042.1	protein arginine methyltransferase
NP_001124239.1	protein arginine methyltransferase 9
AEU08947.1	protein arginine methyltransferase, partial
NP_001244040.1	protein arginine N-methyltransferase 1
NP_001073644.1	protein arginine N-methyltransferase 2
NP_001017655.1	protein arginine N-methyltransferase 3
XP_003457457.1	protein arginine N-methyltransferase 5-like
NP_001157460.1	protein arginine N-methyltransferase 6
XP_004566180.1	protein arginine N-methyltransferase 7-like
XP_005164712.1	protein arginine N-methyltransferase 8-B isoform X2
XP_005164713.1	protein arginine N-methyltransferase 8-B isoform X3
XP_003200481.1	protein arginine N-methyltransferase 8-B-like
XP_005025394.1	protein argonaute-1
XP_004078494.1	protein argonaute-1-like
XP_005158529.1	protein argonaute-1-like isoform X1
XP_005298519.1	protein argonaute-3
XP_005159513.1	protein argonaute-3 isoform X1
XP_005455387.1	protein argonaute-3 isoform X2
XP_003492410.1	protein argonaute-3-like
XP_004551087.1	protein argonaute-3-like isoform X1
XP_002750722.1	protein argonaute-4
XP_005938832.1	protein argonaute-4-like isoform X3
XP_005938833.1	protein argonaute-4-like isoform X4
NP_001038566.1	protein artemis
XP_005164641.1	protein artemis isoform X1
XP_004564895.1	protein artemis-like isoform X3
NP_001107083.1	protein ARV1
XP_003456675.1	protein ARV1-like
NP_001092900.1	protein asteroid homolog 1
XP_004561937.1	protein asteroid homolog 1-like
XP_005173822.1	protein asteroid homolog 1-like isoform X2
NP_001073460.2	protein atonal homolog 8
XP_006629700.1	protein atonal homolog 8-like
XP_002664470.2	protein ATP1B4
XP_005160418.1	protein BANP isoform X1
XP_006789609.1	protein BANP-like
XP_004068627.1	protein bassoon-like
XP_001920788.3	protein bassoon-like isoform X1
XP_005155960.1	protein bassoon-like isoform X2
NP_001104648.1	protein BAT5
XP_005310927.1	protein BEAN1 isoform X2
XP_005193173.1	protein bicaudal C homolog 1 isoform X1
XP_700087.3	protein bicaudal C homolog 1, partial
XP_004077369.1	protein bicaudal C homolog 1-B-like
XP_003970437.1	protein bicaudal C homolog 1-like

XP_684729.2	protein bicaudal D homolog 1 isoform X5
XP_003967243.1	protein bicaudal D homolog 1-like
XP_004568310.1	protein bicaudal D homolog 1-like isoform X1
XP_005730244.1	protein bicaudal D homolog 1-like isoform X5
XP_002663299.3	protein bicaudal D homolog 2-like
XP_005155947.1	protein bicaudal D homolog 2-like isoform X1
XP_005749118.1	protein bicaudal D homolog 2-like isoform X2
XP_005989571.1	protein boule-like
XP_005458344.1	protein brambleberry-like
NP_001187549.1	protein BTG1
XP_003200235.2	protein BTG3-like
XP_004945224.1	protein BUD31 homolog isoform X5
XP_003446321.1	protein C10-like
XP_005802712.1	protein C19orf12 homolog
EMP35844.1	Protein C20orf11 like protein
XP_003199580.2	protein C21orf2-like isoform X1
XP_003200284.2	protein C8orf37-like
XP_002667478.1	protein C9orf69-like
XP_006632786.1	protein canopy homolog 3-like
XP_003200581.2	protein capicua homolog isoform X1
XP_005173569.1	protein capicua homolog isoform X2
NP_001092924.1	protein CASC1
XP_004556546.1	protein CASC3-like
XP_005168998.1	protein CASC4 isoform X1
ETE69440.1	Protein CASC4, partial
XP_006780298.1	protein CASC4-like isoform X1
XP_005467018.1	protein CASC4-like isoform X3
ELW48160.1	Protein CASC5
NP_001070244.2	protein CBFA2T1
ERE84491.1	protein CBFA2T1-like protein
XP_006639490.1	protein CBFA2T2-like
XP_005052352.1	protein CBFA2T3
XP_005166632.1	protein CBFA2T3-like isoform X2
CAP21984.2	Protein CBG00653
CAP28533.2	Protein CBG08763
CAP32217.2	Protein CBG13397
CAP38212.2	Protein CBG21394
CAS00064.1	Protein CBG26279
CAP30519.2	Protein CBR-CYP-35C1
XP_006795043.1	protein CDV3 homolog isoform X2
NP_001003996.1	protein cereblon
XP_414437.4	protein cereblon isoform X7
ERE66513.1	protein cereblon-like protein
XP_006642223.1	protein C-ets-1-like isoform X1
XP_005163976.1	protein CLEC16A isoform X5
XP_005306781.1	protein CLEC16A isoform X9
XP_006637342.1	protein CLEC16A-like
XP_004560770.1	protein CLEC16A-like isoform X1
XP_004560771.1	protein CLEC16A-like isoform X2
NP_001188040.1	protein CLN8
XP_006636892.1	protein CNPPD1-like
XP_005743196.1	protein cordon-bleu-like isoform X6
XP_005809842.1	protein cornichon homolog 3-like
XP_003454906.2	protein cornichon homolog 4-like isoform X1
XP_005807094.1	protein cramped-like
XP_005163896.1	protein cramped-like isoform X2
NP_001187877.1	protein CREG1 precursor
XP_004553818.1	protein crumbs homolog 1-like isoform X1
XP_003978710.1	protein CutA homolog
XP_688534.6	protein CYR61
XP_003443214.1	protein CYR61-like
XP_003260662.1	protein Daple
NP_001128607.1	protein DBF4 homolog A
XP_001921712.2	protein delta homolog 2
NP_001120779.1	protein deltex-2
XP_005162299.1	protein deltex-3 isoform X1
XP_006783118.1	protein DENND6A-like isoform X1
XP_006118037.1	protein DENND6B
XP_005169266.1	protein DGCR14 isoform X1
XP_005169267.1	protein DGCR14 isoform X2
XP_005173125.1	protein diaphanous homolog 1-like
XP_006781470.1	protein diaphanous homolog 1-like isoform X1
XP_005948958.1	protein diaphanous homolog 1-like isoform X3
XP_683813.6	protein diaphanous homolog 2
XP_006633100.1	protein diaphanous homolog 2-like
XP_006026787.1	protein diaphanous homolog 3 isoform X1
XP_005996922.1	protein diaphanous homolog 3-like
XP_005466917.1	protein diaphanous homolog 3-like isoform X1
XP_006780421.1	protein diaphanous homolog 3-like isoform X3

NP_997965.1	protein dispatched homolog 1
XP_004083869.1	protein dispatched homolog 1-like
XP_005158826.1	protein dispatched homolog 2 isoform X1
XP_005170909.1	protein disulfide isomerase family A, member 2 isoform X1
AGI60172.1	protein disulfide isomerase precursor
NP_001186666.1	protein disulfide-isomerase A3 precursor
XP_006628912.1	protein disulfide-isomerase A3-like
XP_005162673.1	protein disulfide-isomerase A4 isoform X1
NP_956073.1	protein disulfide-isomerase A4 precursor
NP_001107048.1	protein disulfide-isomerase A5 precursor
XP_006636311.1	protein disulfide-isomerase A5-like
NP_001265732.1	protein disulfide-isomerase A6 precursor
NP_001018393.2	protein disulfide-isomerase TMX3 precursor
CBN82123.1	Protein disulfide-isomerase TMX3, partial
XP_006034122.1	protein disulfide-isomerase TMX3-like
XP_004065677.1	protein disulfide-isomerase-like
NP_001035331.1	protein disulfide-isomerase-like protein of the testis precursor
XP_003454576.1	protein DJ-1-like isoform 1
XP_005148570.1	protein Dok-7
XP_005160079.1	protein Dok-7 isoform X1
XP_686127.5	protein Dok-7 isoform X2
XP_006629749.1	protein Dok-7-like
XP_005749808.1	protein Dok-7-like isoform X2
XP_006009864.1	protein dopey-1
XP_004011177.1	protein dopey-1 isoform 3
XP_003965957.1	protein dopey-1-like
XP_006639156.1	protein dopey-2-like
XP_685582.5	protein Dos
XP_005168511.1	protein Dos-like
NP_001002868.1	protein dpy-19 homolog 1
XP_004074132.1	protein dpy-19 homolog 4-like
NP_001070782.1	protein Dr1
ERE68193.1	protein Dr1-like protein
NP_001003883.1	protein ECT2
XP_006637461.1	protein ECT2-like isoform X1
NP_957121.1	protein EFR3 homolog A
XP_005457743.1	protein EFR3 homolog A-like
XP_005170258.1	protein EFR3 homolog B isoform X1
XP_005170259.1	protein EFR3 homolog B isoform X2
XP_003971777.1	protein EFR3 homolog B-like
XP_005800254.1	protein EFR3 homolog B-like isoform X1
XP_001920383.1	protein ELFN1
XP_005164250.1	protein ELFN1-like isoform X1
XP_697727.4	protein ELYS
NP_956278.1	protein EMSY
XP_004076895.1	protein EMSY-like
XP_005931139.1	protein enabled homolog isoform X2
XP_005166995.1	protein ENL isoform X1
XP_005405786.1	protein ENL isoform X2
XP_688661.4	protein ERGIC-53
ERE75530.1	protein ERGIC-53-like protein, partial
NP_001018388.1	protein EURL homolog
XP_002665825.2	protein eva-1 homolog A-like
XP_004548950.1	protein eva-1 homolog B-like isoform X1
XP_006000090.1	protein eva-1 homolog C-like
XP_005157092.1	protein eyes shut homolog
XP_005915559.1	protein eyes shut homolog isoform X5
NP_001070081.1	protein FAM102A
XP_006786672.1	protein FAM102B-like isoform X2
XP_001343536.2	protein FAM110A isoform X1
NP_001020345.1	protein FAM110B
XP_003201231.1	protein FAM110B isoform 1
XP_005815358.1	protein FAM110C-like
XP_004576317.1	protein FAM111A-like
XP_001923116.1	protein FAM114A2 isoform X1
XP_006632164.1	protein FAM114A2-like
NP_001082796.1	protein FAM115
XP_005173433.1	protein FAM115 isoform X1
NP_956359.1	protein FAM116B
XP_001922260.1	protein FAM117A-like isoform X1
NP_001121834.1	protein FAM117B
XP_699250.4	protein FAM117B-like
XP_005462582.1	protein FAM122A-like isoform X1
XP_001922375.4	protein FAM124A-like isoform X1
XP_701271.5	protein FAM124B-like
XP_002190500.1	protein FAM126B
XP_003961998.1	protein FAM126B-like
XP_004555525.1	protein FAM126B-like isoform X1
XP_005022518.1	protein FAM131A

XP_006637922.1	protein FAM131A-like
XP_005159544.1	protein FAM131B isoform X1
XP_694353.4	protein FAM131B isoform X2
XP_005162244.1	protein FAM132A isoform X1
XP_002660750.1	protein FAM132B isoform X1
XP_005480309.1	protein FAM133-like isoform X1
XP_001343062.1	protein FAM134B-like isoform X1
XP_694371.1	protein FAM134C
XP_005915540.1	protein FAM135A-like isoform X1
XP_005915543.1	protein FAM135A-like isoform X4
XP_001343106.4	protein FAM135B-like
XP_005812054.1	protein FAM136A-like
XP_005160161.1	protein FAM13A isoform X2
XP_005160163.1	protein FAM13A isoform X4
XP_004549615.1	protein FAM13A-like
XP_006632150.1	protein FAM13B-like
XP_003199614.2	protein FAM13C-like
XP_005157307.1	protein FAM149A isoform X2
NP_001074134.1	protein FAM149B1
XP_005814637.1	protein FAM149B1-like
NP_001093565.1	protein FAM151A
XP_006628731.1	protein FAM154B-like
XP_001921122.1	protein FAM160A1 isoform X1
XP_002666617.3	protein FAM160A1-like
XP_002756487.2	protein FAM160B1
XP_006799016.1	protein FAM160B1-like
NP_001071234.1	protein FAM160B2
XP_005751720.1	protein FAM161A-like
XP_697894.3	protein FAM161B-like
XP_006799799.1	protein FAM163A-like
XP_001335003.1	protein FAM163B-like
XP_003199353.1	protein FAM163B-like isoform X1
NP_001076489.2	protein FAM166B
XP_005044498.1	protein FAM167A
XP_004549008.1	protein FAM167A-like
XP_001923404.1	protein FAM167A-like isoform X1
XP_003765494.1	protein FAM167B
XP_001335931.1	protein FAM171A1
XP_684281.2	protein FAM171A2-like
XP_689740.2	protein FAM171B-like
XP_005990061.1	protein FAM172A isoform X1
XP_003454052.1	protein FAM173A-like
XP_005156664.1	protein FAM178A isoform X2
XP_004540878.1	protein FAM179B-like
XP_005159220.1	protein FAM180A-like
XP_006632631.1	protein FAM181A-like
XP_005157544.1	protein FAM181B-like
XP_683302.2	protein FAM184A isoform X2
XP_003971976.1	protein FAM184A-like
XP_005461530.1	protein FAM184A-like isoform X1
XP_005751896.1	protein FAM184A-like isoform X3
XP_006137624.1	protein FAM185A
XP_002666883.1	protein FAM185A-like
XP_003313751.1	protein FAM186A
XP_004210142.1	protein FAM186A-like
XP_002663449.3	protein FAM188B
XP_698136.4	protein FAM188B2 isoform X2
XP_006637555.1	protein FAM188B2-like
XP_003199016.1	protein FAM189A1
XP_005165533.1	protein FAM189A2 isoform X2
XP_005165534.1	protein FAM189A2 isoform X3
XP_005165536.1	protein FAM189A2-like isoform X2
XP_005158202.1	protein FAM189B-like isoform X1
XP_004010195.1	protein FAM193A
XP_001920064.4	protein FAM193A, partial
XP_697699.4	protein FAM193B
XP_005795571.1	protein FAM193B-like
XP_005476339.1	protein FAM194A-like
NP_001038936.1	protein FAM195B
CBN81568.1	Protein FAM196A
XP_001342094.1	protein FAM196A-like
XP_005173123.1	protein FAM196B-like
XP_694732.2	protein FAM198B isoform X2
XP_003200182.2	protein FAM198B-like isoform X1
XP_005157929.1	protein FAM198B-like isoform X3
ETE67922.1	Protein FAM19A1
XP_005155876.1	protein FAM19A1-like isoform X1
XP_006633708.1	protein FAM19A2-like
XP_004935052.1	protein FAM19A2-like isoform X8

XP_006895790.1	protein FAM19A3
XP_006630711.1	protein FAM19A4-like
XP_006635901.1	protein FAM203A-like
NP_001004966.1	protein FAM206A
XP_004073855.1	protein FAM206A-like
XP_001922150.3	protein FAM208A
XP_005161938.1	protein FAM208A-like
NP_001124252.1	protein FAM20A
XP_005156044.1	protein FAM20A isoform X1
NP_001189349.1	protein FAM214A
XP_005808598.1	protein FAM214A-like
XP_003198662.2	protein FAM214B isoform X1
XP_005165140.1	protein FAM214B isoform X2
XP_005801067.1	protein FAM214B-like
XP_005967748.1	protein FAM219A
XP_005727637.1	protein FAM219B-like isoform X1
XP_001332894.3	protein FAM222B-like
XP_002933807.2	protein FAM227A
XP_002764259.2	protein FAM22F-like
XP_005813837.1	protein FAM26E-like
XP_004555020.1	protein FAM32A-like
XP_005914853.1	protein FAM3A-like
XP_005930297.1	protein FAM3C-like isoform X3
ETE65769.1	Protein FAM40A, partial
XP_004068512.1	protein FAM40A-like
XP_006637705.1	protein FAM43A-like
NP_001004547.1	protein FAM43B
XP_005795249.1	protein FAM45A-like
XP_003453540.1	protein FAM46A-like
NP_956801.2	protein FAM46C
XP_001920617.4	protein FAM46C-like
XP_005922592.1	protein FAM49B-like isoform X1
XP_003961444.1	protein FAM57B-like
XP_003453756.1	protein FAM57B-like isoform X1
XP_005156026.1	protein FAM57B-like isoform X2
XP_005168691.1	protein FAM57B-like, partial
XP_689500.5	protein FAM5C
XP_001341569.2	protein FAM5C-like
XP_004567424.1	protein FAM5C-like isoform X1
NP_001020702.1	protein FAM60A
XP_005810568.1	protein FAM60A-like
XP_005812162.1	protein FAM60A-like isoform X1
XP_005331242.1	protein FAM63A
XP_003969185.1	protein FAM63A-like
XP_698926.5	protein FAM63B
XP_005945435.1	protein FAM64A-like isoform X2
XP_004744471.1	protein FAM65A isoform X3
XP_005992869.1	protein FAM65A-like
XP_005159691.1	protein FAM65B isoform X1
XP_004549274.1	protein FAM65B-like isoform X1
XP_005166324.1	protein FAM65C isoform X1
EMP36619.1	Protein FAM69A
XP_001338149.4	protein FAM69A-like
XP_006634746.1	protein FAM73A-like
XP_005633376.1	protein FAM76B isoform X4
XP_006640829.1	protein FAM78A-like
XP_004570568.1	protein FAM78B-like
XP_005165594.1	protein FAM81B-like
XP_005737203.1	protein FAM83B-like
NP_001082824.1	protein FAM83D
XP_006639644.1	protein FAM83D-like
XP_695158.3	protein FAM83F
XP_005809667.1	protein FAM83F-like
XP_005170931.1	protein FAM83G-like isoform X1
NP_001038555.1	protein FAM83H
XP_002665697.3	protein FAM89A
XP_006131675.1	protein FAM89B
XP_003444221.1	protein FAM8A1-like
NP_956735.1	protein FAM91A1
XP_004074255.1	protein FAM91A1-like isoform 1
XP_005974473.1	protein FAM92A1
XP_006538277.1	protein FAM92A1 isoform X6
XP_006636057.1	protein FAM92A1-like
XP_005335544.1	protein FAM92B
XP_006641292.1	protein FAM92B-like
XP_005867399.1	protein FAM98A
XP_684574.3	protein FAM98A isoform 1
XP_002662206.2	protein FAM98B
XP_003199050.1	protein FAN

XP_006634076.1	protein FAN-like
XP_002666640.2	protein fantom-like
NP_001002128.1	protein farnesyltransferase subunit beta
XP_004083455.1	protein farnesyltransferase subunit beta-like
XP_005476186.1	protein fem-1 homolog A-like
XP_002931764.1	protein fem-1 homolog C isoform X1
XP_006793721.1	protein FEV-like
NP_001244075.1	protein flightless-1 homolog
XP_005173698.1	protein fosB isoform X1
XP_003441908.1	protein FRA10AC1-like
NP_001017793.1	protein FRG1
XP_006628228.1	protein furry homolog
XP_005157422.1	protein furry homolog isoform X1
XP_006796629.1	protein furry homolog isoform X2
XP_005172785.1	protein furry homolog isoform X3
XP_005157426.1	protein furry homolog isoform X5
XP_005157427.1	protein furry homolog isoform X6
XP_001332249.2	protein furry homolog isoformX1
XP_006630195.1	protein furry homolog-like
XP_005160589.1	protein furry homolog-like isoform X2
XP_005160590.1	protein furry homolog-like isoform X3
XP_005160591.1	protein furry homolog-like isoform X4
XP_004557175.1	protein furry homolog-like isoform X6
XP_005160595.1	protein furry homolog-like isoform X8
XP_001337543.1	protein fuzzy homolog
XP_005469290.1	protein glass-like
XP_007194563.1	protein GPR107 isoform X1
NP_001073515.1	protein GPR107 precursor
XP_006631637.1	protein GPR108-like
XP_005158874.1	protein GREB1
XP_005159096.1	protein groucho-2 isoform X1
XP_003964558.1	protein GTLF3B-like
XP_006003327.1	protein HEG homolog 1-like isoform X2
NP_998133.1	protein HEG precursor
XP_005726360.1	protein HEG-like
NP_001091859.1	protein HEXIM
XP_006635245.1	protein HID1-like isoform X2
XP_003450080.1	protein HID1-like isoformX2
XP_003225166.1	protein HIRA
XP_00664206.1	protein HIRA-like
NP_001038663.1	protein Hook homolog 1
XP_005732245.1	protein Hook homolog 1-like
XP_006631674.1	protein Hook homolog 2-like
XP_004563007.1	protein Hook homolog 2-like isoform X1
XP_006788823.1	protein Hook homolog 3-like isoform X4
XP_004067654.1	protein IMPACT-like
AAH53149.1	Protein inhibitor of activated STAT, 4 -like
AGV98849.1	protein inhibitor of activated STAT-1
AGV98848.1	protein inhibitor of activated STAT-4
XP_006782437.1	protein inscuteable homolog
XP_003447638.1	protein inturnd isoform X1
XP_005172228.1	protein inturnd isoform X3
XP_006630084.1	protein inturnd-like
XP_005751132.1	protein inturnd-like isoform X2
XP_001336768.2	protein ITFG3-like isoform X1
XP_001921144.2	protein IWS1 homolog A-like isoform X1
XP_005737520.1	protein IWS1 homolog isoform X1
XP_005157880.1	protein IWS1 homolog isoform X5
XP_005158548.1	protein Jade-1 isoform X1
NP_970614.1	protein Jade-3
XP_005168262.1	protein jagged-1a isoform X2
NP_571936.1	protein jagged-1a precursor
XP_003200521.2	protein jagged-1b-like
NP_571937.1	protein jagged-2 precursor
XP_004082771.1	protein jagged-2-like
XP_005157022.1	protein jagged-2-like isoform X1
XP_001345885.4	protein Jumonji
XP_006270683.1	protein Jumonji-like
XP_005467232.1	protein KASH5-like
XP_005155700.1	protein KIAA1045-like isoform X1
XP_001919802.4	protein KIAA1199-like
XP_005947858.1	protein KIAA1199-like isoform X1
XP_689275.5	protein KIBRA-like
NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
XP_005441271.1	protein kinase C alpha type
ETE60956.1	Protein kinase C alpha type, partial
XP_002667886.3	protein kinase C alpha type-like
XP_006635279.1	protein kinase C alpha type-like isoform X1
XP_004558374.1	protein kinase C alpha type-like isoform X2

XP_005161962.1 protein kinase C and casein kinase substrate in neurons 1a isoform X1
 XP_005168648.1 protein kinase C and casein kinase substrate in neurons 2 isoform X1
 XP_003961507.1 protein kinase C and casein kinase substrate in neurons 2 protein-like
 XP_005166650.1 protein kinase C and casein kinase substrate in neurons 3 isoform X1
 NP_001028900.1 protein kinase C and casein kinase substrate in neurons protein 1
 XP_005005483.1 protein kinase C and casein kinase substrate in neurons protein 1 isoform X2
 XP_006780847.1 protein kinase C and casein kinase substrate in neurons protein 2-like isoform X1
 XP_697258.2 protein kinase C and casein kinase substrate in neurons protein 3 isoform X2
 XP_004778409.1 protein kinase C beta type
 XP_006798106.1 protein kinase C beta type-like isoform X2
 XP_005162000.1 protein kinase C binding protein 1, like isoform X1
 NP_999873.1 protein kinase C delta type
 XP_001919906.4 protein kinase C delta type-like
 XP_005510840.1 protein kinase C epsilon type isoform X1
 XP_005156350.1 protein kinase C epsilon type isoform X2
 XP_005156351.1 protein kinase C epsilon type isoform X3
 XP_005156352.1 protein kinase C epsilon type isoform X4
 XP_005741593.1 protein kinase C epsilon type-like isoform X2
 NP_001116528.1 protein kinase C eta type
 XP_006632249.1 protein kinase C eta type-like
 XP_003766545.1 protein kinase C gamma type
 XP_001921715.1 protein kinase C gamma type-like isoform X1
 XP_003894897.1 protein kinase C iota type
 XP_004079575.1 protein kinase C iota type-like
 ERE82697.1 protein kinase C iota type-like protein
 XP_005164878.1 protein kinase C theta type isoform X1
 XP_007070237.1 protein kinase C zeta type
 XP_005166900.1 protein kinase C zeta type isoform X1
 XP_005166901.1 protein kinase C zeta type isoform X2
 XP_005166902.1 protein kinase C zeta type isoform X3
 XP_004071124.1 protein kinase C zeta type-like
 XP_692886.6 protein kinase C-binding protein 1 isoform X2
 XP_005458974.1 protein kinase C-binding protein NELL1
 XP_004066889.1 protein kinase C-binding protein NELL1-like
 XP_005807582.1 protein kinase C-binding protein NELL1-like, partial
 XP_003941537.1 protein kinase C-binding protein NELL2
 XP_004053042.1 protein kinase C-binding protein NELL2 isoform 2
 XP_003405434.1 protein kinase C-binding protein NELL2-like
 XP_005015353.1 protein kinase domain-containing protein, cytoplasmic
 XP_693624.2 protein kinase domain-containing protein, cytoplasmic-like
 ADG57600.1 protein kinase HCK
 NP_001082929.1 protein kinase N1
 BAB39747.3 protein kinase raf 1
 NP_001070647.1 protein kinase, AMP-activated, gamma 2 non-catalytic subunit a
 EDL03084.1 protein kinase, AMP-activated, gamma 2 non-catalytic subunit, isoform CRA_b
 NP_957317.1 protein kinase, cAMP-dependent, catalytic, beta a
 AAI24726.1 Protein kinase, cAMP-dependent, regulatory, type II, alpha A
 EQL00548.1 Protein kinase-like domain protein
 XP_006632451.1 protein kintoun-like
 XP_006631667.1 protein KRI1 homolog
 XP_004563023.1 protein KRI1 homolog isoform X1
 XP_006628956.1 protein KTI12 homolog
 XP_005155633.1 protein LAP2 isoform X1
 XP_005155634.1 protein LAP2 isoform X2
 XP_006627141.1 protein LAP2-like
 XP_005159155.1 protein LCHN isoform X2
 XP_005917504.1 protein lifeguard 1-like isoform X2
 XP_006122766.1 protein lifeguard 2
 XP_006008396.1 protein lifeguard 3
 XP_006636374.1 protein lifeguard 3-like
 XP_686266.2 protein limb expression 1 isoform X2
 XP_003799843.1 protein lin-28 homolog A
 XP_005159592.1 protein lin-28 homolog A isoform X1
 XP_001340141.2 protein lin-28 homolog A-like
 XP_003200812.2 protein lin-28 homolog B-like isoform X1
 NP_001187420.1 protein lin-37 homolog
 XP_005561806.1 protein lin-52 homolog isoform X1
 XP_005155658.1 protein lin-54 homolog isoform X1
 XP_003221171.1 protein lin-7 homolog A
 XP_004573172.1 protein lin-7 homolog B-like isoform X1
 XP_003969726.1 protein lin-7 homolog C-like isoform 1
 NP_001038411.1 protein lin-9 homolog
 XP_002664674.3 protein lin-9 homolog, partial
 XP_006804258.1 protein Lines homolog
 XP_005172234.1 protein Lines homolog isoform X2
 EPY86205.1 protein LMBR1L isoform 1
 NP_001038607.1 protein L-Myc-1b
 XP_004080646.1 protein LSM12 homolog A-like
 XP_006028192.1 protein LSM14 homolog A

XP_007165139.1 protein LSM14 homolog A isoform X2
 XP_005368490.1 protein LSM14 homolog A isoform X4
 XP_006641220.1 protein LSM14 homolog A-like
 XP_003978051.1 protein LTV1 homolog
 XP_005159661.1 protein LYRIC isoform X3
 NP_001187281.1 protein LZIC
 XP_005404079.1 protein LZIC isoform X1
 XP_006272425.1 protein MAATS1
 NP_694506.2 protein mab-21-like 1
 XP_003972466.1 protein mab-21-like 2-like
 NP_001103495.1 protein mab-21-like 3
 XP_006625383.1 protein MAK16 homolog
 XP_001333294.3 protein MANBAL-like isoform X1
 XP_004891269.1 protein max isoform X2
 XP_005797731.1 protein max-like isoform X2
 XP_006030209.1 protein MB21D2
 XP_005172365.1 protein MB21D2-like isoform X2
 NP_001019984.1 protein MCM10 homolog
 XP_005942737.1 protein MCM10 homolog isoform X1
 NP_001091717.1 protein MEF2BNB
 XP_005157033.1 protein MEMO1 isoform X1
 NP_956672.1 protein MIS12 homolog
 XP_002663634.2 protein Mis18-alpha
 XP_005452848.1 protein misato homolog 1-like isoform X1
 NP_001124073.1 protein MMS22-like
 XP_004176152.1 protein MON2 homolog
 XP_005451111.1 protein MON2 homolog isoform X3
 XP_002663044.3 protein MRV11-like isoform X1
 NP_001076478.1 protein MTO1 homolog, mitochondrial
 XP_003961440.1 protein MTO1 homolog, mitochondrial-like
 XP_005749327.1 protein MTO1 homolog, mitochondrial-like isoform X1
 CBN81822.1 Protein Muted homolog
 NP_001002088.1 protein myomaker
 XP_005727684.1 protein naked cuticle homolog 1-like
 NP_001091055.1 protein naked cuticle homolog 2-like
 XP_004541507.1 protein naked cuticle homolog 2-like isoform X2
 XP_689934.5 protein NDNF
 NP_001121825.1 protein NDRG1 isoform 1
 NP_998513.2 protein NDRG1 isoform 2
 NP_001187489.1 protein NDRG2
 XP_005800687.1 protein NDRG3-like isoform X2
 XP_004799461.1 protein NDRG4-A isoform X10
 XP_004799459.1 protein NDRG4-A isoform X8
 NP_998671.1 protein NEDD1
 XP_689912.4 protein Niban-like
 XP_005720869.1 protein NipSnap homolog 2-like
 XP_006635549.1 protein Njmu-R1-like
 XP_698749.6 protein NLRC3
 XP_005174036.1 protein NLRC3-like
 XP_003200139.2 protein NLRC3-like isoform X1
 XP_002666374.3 protein NLRC3-like, partial
 XP_001346239.5 protein NLRC5
 XP_005462687.1 protein NLRC5-like
 XP_005952881.1 protein NLRC5-like, partial
 NP_001013584.1 protein N-lysine methyltransferase METTL21A
 XP_694400.2 protein notum homolog
 NP_001155126.1 protein notum homolog precursor
 XP_003972212.1 protein Noxp20-like
 XP_690976.3 protein NPAT
 XP_005158613.1 protein NRDE2 homolog
 XP_005807743.1 protein numb homolog
 XP_005311893.1 protein NYNRIN-like
 XP_005160415.1 protein NYNRIN-like isoform X1
 EPY76045.1 protein odd-skipped-related 1
 XP_006626406.1 protein odd-skipped-related 1-like
 NP_956910.3 protein odr-4 homolog
 ABA29476.1 protein O-fucosyltransferase 2, partial
 XP_005450006.1 protein O-glucosyltransferase 1-like isoform X1
 XP_006634954.1 protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1-like
 XP_006803682.1 protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1-like isoform X1
 NP_001007415.1 protein O-mannose kinase
 NP_001041532.2 protein O-mannosyl-transferase 1
 XP_006640828.1 protein O-mannosyl-transferase 1-like
 XP_005797814.1 protein O-mannosyl-transferase 2-like
 XP_005166099.1 protein OS-9 isoform X1
 XP_006629509.1 protein OS-9-like
 XP_004544956.1 protein OS-9-like isoform X1
 NP_001103593.1 protein OSCP1
 XP_006777349.1 protein OSCP1 isoform X1

NP_001076497.1 protein PAT1 homolog 1
 XP_005951606.1 protein PAT1 homolog 1-like isoform X3
 XP_683261.4 protein PAT1 homolog 2-like isoform 1
 XP_001922161.4 protein patched homolog 1
 XP_005163536.1 protein patched homolog 1 isoform X1
 XP_006634790.1 protein patched homolog 1-like
 XP_006004292.1 protein patched homolog 1-like, partial
 NP_001002616.1 protein pellino homolog 2
 NP_957430.1 protein pelota homolog
 XP_002259357.1 protein phosphatase
 AGT20523.1 protein phosphatase 1
 NP_001017627.1 protein phosphatase 1 regulatory subunit 11
 XP_002666820.2 protein phosphatase 1 regulatory subunit 12A isoform X1
 XP_005174314.1 protein phosphatase 1 regulatory subunit 12A isoform X2
 XP_005010855.1 protein phosphatase 1 regulatory subunit 12A isoform X3
 XP_006781235.1 protein phosphatase 1 regulatory subunit 12A-like
 NP_001071047.1 protein phosphatase 1 regulatory subunit 12C
 XP_006802571.1 protein phosphatase 1 regulatory subunit 14B-like
 XP_006629786.1 protein phosphatase 1 regulatory subunit 15A-like
 XP_002187895.1 protein phosphatase 1 regulatory subunit 15B-like
 XP_003760603.1 protein phosphatase 1 regulatory subunit 16A
 XP_001334473.1 protein phosphatase 1 regulatory subunit 16A-like
 XP_005797030.1 protein phosphatase 1 regulatory subunit 1A-like
 XP_005167942.1 protein phosphatase 1 regulatory subunit 1C isoform X1
 XP_005806871.1 protein phosphatase 1 regulatory subunit 21-like isoform X1
 XP_005915509.1 protein phosphatase 1 regulatory subunit 21-like isoform X2
 XP_004065597.1 protein phosphatase 1 regulatory subunit 27-like
 XP_005161752.1 protein phosphatase 1 regulatory subunit 29 isoform X2
 XP_004084373.1 protein phosphatase 1 regulatory subunit 29-like
 NP_001038856.1 protein phosphatase 1 regulatory subunit 35
 XP_004548996.1 protein phosphatase 1 regulatory subunit 36-like isoform X1
 XP_006115568.1 protein phosphatase 1 regulatory subunit 37
 XP_004767676.1 protein phosphatase 1 regulatory subunit 37 isoform X1
 XP_005158741.1 protein phosphatase 1 regulatory subunit 37-like
 NP_957128.1 protein phosphatase 1 regulatory subunit 3C-B
 XP_003199449.1 protein phosphatase 1 regulatory subunit 3D-like isoform X1
 XP_005162995.1 protein phosphatase 1 regulatory subunit 3G-like
 NP_001002202.1 protein phosphatase 1 regulatory subunit 42
 NP_001032463.1 protein phosphatase 1 regulatory subunit 7 isoform 1
 XP_003978238.1 protein phosphatase 1 regulatory subunit 7-like
 NP_999976.1 protein phosphatase 1, catalytic subunit, alpha
 NP_997875.1 protein phosphatase 1, catalytic subunit, alpha-like
 NP_001094422.1 protein phosphatase 1, regulatory (inhibitor) subunit 8a
 XP_005169884.1 protein phosphatase 1, regulatory subunit 13Ba isoform X2
 XP_005169885.1 protein phosphatase 1, regulatory subunit 13Ba isoform X3
 NP_001032181.1 protein phosphatase 1, regulatory subunit 27
 XP_005156321.1 protein phosphatase 1A, magnesium dependent, alpha isoform X1
 XP_006632246.1 protein phosphatase 1A-like
 XP_005815359.1 protein phosphatase 1B-like
 NP_957384.2 protein phosphatase 1D magnesium-dependent, delta isoform a
 NP_001018354.1 protein phosphatase 1E
 AA162507.1 Protein phosphatase 1E (PP2C domain containing)
 XP_006641007.1 protein phosphatase 1E-like
 NP_001018165.1 protein phosphatase 1F
 XP_006640210.1 protein phosphatase 1F-like
 NP_001133844.1 protein phosphatase 1G
 NP_001070923.1 protein phosphatase 1H
 XP_004937615.1 protein phosphatase 1H isoform X2
 XP_003445115.1 protein phosphatase 1H-like
 XP_005816139.1 protein phosphatase 1H-like, partial
 XP_005160148.1 protein phosphatase 1K (PP2C domain containing) isoform X1
 XP_005160150.1 protein phosphatase 1K (PP2C domain containing) isoform X3
 XP_005174212.1 protein phosphatase 1K, mitochondrial-like isoform X1
 NP_001071068.1 protein phosphatase 1L
 XP_003454848.1 protein phosphatase 1L-like
 XP_005031313.1 protein phosphatase 1L-like isoform X3
 NP_919396.1 protein phosphatase 2, regulatory subunit B', epsilon isoform a
 AAA41909.1 protein phosphatase 2A 55 kD regulatory subunit B
 AAN65632.1 protein phosphatase 2A B' regulatory subunit Wdb2
 EDL08472.1 protein phosphatase 2A, regulatory subunit B (PR 53), isoform CRA_a
 NP_001185479.1 protein phosphatase 3, catalytic subunit, alpha isozyme
 XP_005161416.1 protein phosphatase 3, catalytic subunit, alpha isozyme isoform X1
 XP_005155371.1 protein phosphatase 3, catalytic subunit, gamma isoform isoform X2
 NP_001160100.1 protein phosphatase 3, catalytic subunit, gamma isoform-like
 XP_005171932.1 protein phosphatase 3, catalytic subunit, gamma isozyme, a isoform X1
 NP_955978.2 protein phosphatase 6, regulatory subunit 3
 NP_956231.1 protein phosphatase methylesterase 1
 XP_006629618.1 protein phosphatase methylesterase 1-like
 XP_691370.1 protein phosphatase PTC7 homolog

XP_005165255.1	protein phosphatase Slingshot homolog 1-like
XP_005157728.1	protein phosphatase Slingshot homolog 2 isoform X2
XP_006641171.1	protein phosphatase Slingshot homolog 2-like
XP_005157381.1	protein phosphatase Slingshot homolog 3-like isoform X1
NP_001154804.1	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1Ab
XP_001921217.4	protein piccolo isoform X1
XP_005164728.1	protein piccolo isoform X3
XP_005164729.1	protein piccolo isoform X4
XP_006789495.1	protein piccolo-like
XP_002666829.1	protein PML-like isoform 1
XP_006633009.1	protein POF1B-like
XP_693735.5	protein polybromo-1
XP_006270429.1	protein polybromo-1-like isoform X1
XP_005730826.1	protein polyglycylase TTL10-like isoform X3
XP_005931237.1	protein PRRC2B-like
XP_006789070.1	protein PRRC2B-like isoform X3
XP_001919460.4	protein PRRC2C
XP_006780108.1	protein PRRC2C-like
NP_001153766.1	protein prune homolog
NP_001104624.1	protein prune homolog 2
XP_002664838.2	protein PTHB1, partial
XP_005929564.1	protein PTHB1-like isoform X6
XP_003965863.1	protein PTHB1-like, partial
XP_006976002.1	protein quaking
XP_003199734.1	protein quaking isoform X1
XP_006115235.1	protein quaking isoform X5
XP_004082511.1	protein quaking-A-like
XP_005464025.1	protein quaking-A-like isoform X2
NP_998341.1	protein RCC2 homolog
NP_001074100.1	protein RD3
XP_005160568.1	protein RD3-like
EGW09253.1	Protein Red
AAH45514.1	Protein regulator of cytokinesis 1
NP_001004494.1	protein regulator of cytokinesis 1a
XP_006628898.1	protein regulator of cytokinesis 1-like
XP_006804502.1	protein regulator of cytokinesis 1-like isoform X2
EPY85177.1	protein reprimin
NP_001018500.1	protein reprimin A
XP_005167353.1	protein RER1 isoform X1
XP_006642016.1	protein RER1-like
ERE82705.1	protein RER1-like protein
XP_688354.3	protein RFT1 homolog
XP_003965610.1	protein RIC1 homolog
XP_006627063.1	protein RIC1 homolog isoform X1
XP_005941605.1	protein RIC1 homolog isoform X2
XP_002665879.3	protein RIC1 homolog, partial
XP_006271430.1	protein RIC-3
NP_001034197.1	protein ripply1
NP_001034199.2	protein ripply3
XP_006632000.1	protein RMD5 homolog B-like
NP_956257.1	protein rogd1 homolog
XP_006630880.1	protein RRP5 homolog
XP_005165367.1	protein RUFY3 isoform X3
XP_006627258.1	protein RUFY3-like
XP_002664891.1	protein S100-A1
XP_698471.1	protein S100-A1-like
XP_006804966.1	protein S100-A4-like
XP_006629388.1	protein S100-B-like
XP_001922814.1	protein S100-P
NP_001019562.1	protein S100-Z
NP_956429.2	protein saal1
XP_005809977.1	protein saal1-like
XP_006632469.1	protein salvador homolog 1-like
XP_005164518.1	protein SCAF11 isoform X2
XP_006626257.1	protein SCAF8-like
XP_005172019.1	protein SCAI isoform X1
XP_684264.1	protein SCAI isoform X3
NP_001038697.1	protein SCO2 homolog, mitochondrial
XP_006634346.1	protein scribble homolog
XP_005166473.1	protein scribble homolog isoform X10
XP_005738940.1	protein scribble homolog isoform X2
XP_005166470.1	protein scribble homolog isoform X7
XP_003451536.1	protein SDA1 homolog isoform X1
NP_001038629.1	protein sel-1 homolog 1 precursor
XP_006632636.1	protein sel-1 homolog 1-like
XP_005173468.1	protein sel-1 homolog 3 isoform X1
XP_688322.5	protein sel-1 homolog 3 isoform X3
XP_005170618.1	protein sel-1 homolog 3-like
XP_005174140.1	protein sel-1 homolog 3-like, partial

NP_001025457.1 protein SERAC1
XP_003470647.2 protein SET
XP_688629.5 protein SF11 homolog isoform 2
NP_001003631.1 protein shisa-2 homolog precursor
XP_003201351.1 protein shisa-2-like
XP_002667337.2 protein shisa-6 homolog
XP_003199594.2 protein shisa-6 homolog isoform X1
XP_005923810.1 protein shisa-6 homolog isoform X9
XP_005159547.1 protein shisa-7 isoform X3
XP_005157964.1 protein shisa-7-like
NP_001013527.1 protein shisa-9A precursor
XP_003199811.1 protein shisa-9-like
XP_004560842.1 protein shisa-9-like isoform X1
XP_004567465.1 protein SHQ1 homolog
XP_005450204.1 protein SHQ1 homolog isoform X1
XP_006639175.1 protein Shroom2-like
XP_003439843.1 protein Shroom2-like isoform X1
XP_684470.6 protein Shroom2-like isoform X3
XP_006626719.1 protein Shroom3-like
XP_005470558.1 protein Shroom3-like isoform X2
XP_005172390.1 protein Shroom4 isoform X1
XP_686686.3 protein sidekick-1 isoform X2
XP_006637301.1 protein sidekick-1-like
XP_693332.5 protein sidekick-2
XP_006635484.1 protein sidekick-2-like
XP_005745488.1 protein sidekick-2-like isoform X3
XP_003198206.1 protein sidekick-2-like, partial
XP_691726.1 protein slowmo homolog 1-like
XP_006632478.1 protein Smaug homolog 1-like
XP_005169910.1 protein Smaug homolog 1-like isoform X2
XP_003200154.1 protein Smaug homolog 2 isoform X1
NP_001020094.1 protein SMG5
XP_005923754.1 protein SMG5-like
NP_001038548.2 protein SMG7
XP_005171365.1 protein SMG7 isoform X1
XP_004078968.1 protein SMG7-like
XP_695811.2 protein SMG8-like
NP_001133333.1 protein SMG9
XP_001923815.2 protein SMG9 isoformX1
XP_001338362.3 protein SOGA1 isoform X1
XP_005162024.1 protein SOGA1 isoform X2
XP_001919842.3 protein SOGA1-like
XP_005924722.1 protein SOGA2-like
XP_006792361.1 protein SOGA2-like isoform X6
XP_005171514.1 protein SOGA2-like, partial
XP_005162466.1 protein SOGA3 isoform X3
XP_002664826.1 protein SOGA3-like isoform X1
XP_694356.4 protein SON-like isoform X3
NP_001098412.1 protein Spindly
XP_005163889.1 protein spinster homolog 1 isoform X1
XP_003970742.1 protein spinster homolog 2-like
NP_001093506.1 protein spinster homolog 3
XP_004076660.1 protein spinster homolog 3-like
XP_005159678.1 protein spire homolog 1 isoform X1
XP_002665101.3 protein spire homolog 1-like
XP_005478595.1 protein spire homolog 1-like isoform X1
XP_005163227.1 protein spire homolog 2 isoform X1
XP_005449369.1 protein spire homolog 2-like
XP_005739099.1 protein spire homolog 2-like isoform X2
XP_004924261.1 protein split ends-like
NP_001116072.1 protein sprouty homolog 1
XP_005170333.1 protein sprouty homolog 2-like
XP_005450058.1 protein sprouty homolog 2-like isoform X1
XP_005170733.1 protein SPT2 homolog isoform X1
XP_005161887.1 protein SSUH2 homolog
NP_001186845.1 protein strawberry notch homolog 1
XP_700727.6 protein SZT2-like
XP_005457346.1 protein SZT2-like isoform X4
XP_005457349.1 protein SZT2-like isoform X7
NP_001245157.1 protein TALPID3
XP_003199303.2 protein TANC1-like
XP_001920231.2 protein TANC1-like isoform X1
XP_005165902.1 protein TANC1-like isoform X2
XP_005165903.1 protein TANC1-like isoform X3
XP_006017889.1 protein TANC2
XP_697257.2 protein TANC2 isoform X2
XP_005029360.1 protein TANC2 isoform X5
XP_006638257.1 protein TANC2-like
XP_005913635.1 protein TANC2-like isoform X3

XP_004556783.1 protein TANC2-like isoform X4
 XP_004556785.1 protein TANC2-like isoform X6
 XP_006007857.1 protein TBRG4-like
 XP_002662570.3 protein TESPA1-like
 XP_003758613.1 protein TEX261
 NP_956309.1 protein TFG
 XP_005167720.1 protein TFG isoform X1
 NP_001116101.1 protein THEM6 precursor
 XP_006629380.1 protein timeless homolog
 NP_001018152.1 protein TMED8
 XP_005170840.1 protein Tob2-like
 XP_003706297.1 protein toll-like
 XP_005687397.1 protein transport protein Sec16A
 XP_006796819.1 protein transport protein Sec16A-like isoform X3
 XP_685029.5 protein transport protein Sec16B
 NP_001075073.1 protein transport protein Sec23A
 EGV95399.1 Protein transport protein Sec23B
 XP_004476237.1 protein transport protein Sec24B isoform 4
 XP_001921634.3 protein transport protein Sec24B isoform X1
 XP_006798996.1 protein transport protein Sec24B-like
 NP_001232897.2 protein transport protein Sec24C
 XP_003198668.1 protein transport protein Sec24C isoform X1
 XP_005156415.1 protein transport protein Sec24C isoform X2
 EOB04108.1 Protein transport protein Sec24C, partial
 XP_004072136.1 protein transport protein Sec24C-like
 NP_001171403.1 protein transport protein Sec24D
 XP_003450365.1 protein transport protein Sec24D isoform X1
 XP_006630063.1 protein transport protein Sec24D-like
 NP_955824.1 protein transport protein Sec31A
 XP_004546595.1 protein transport protein Sec61 subunit gamma-like
 XP_007055748.1 protein TSSC1
 XP_005168941.1 protein TSSC4 isoform X1
 XP_686205.6 protein turtle homolog A
 XP_685629.2 protein turtle homolog A isoform X2
 XP_006625862.1 protein turtle homolog A-like
 XP_005157591.1 protein turtle homolog B isoform X1
 XP_695776.4 protein turtle homolog B isoform X2
 XP_698041.5 protein turtle homolog B-like
 XP_006803022.1 protein tweety homolog 1-like isoform X3
 XP_005237562.1 protein tweety homolog 2
 NP_998421.1 protein tweety homolog 2-like
 XP_004071368.1 protein tweety homolog 3-like
 XP_004552294.1 protein tweety homolog 3-like isoform X2
 CAA06673.1 protein tyrosine kinase
 NP_942114.1 protein tyrosine kinase 2aa
 BAD02402.1 protein tyrosine phosphatase a
 NP_001074065.2 protein tyrosine phosphatase domain-containing protein 1
 XP_005161983.1 protein tyrosine phosphatase domain-containing protein 1 isoform X1
 XP_005470924.1 protein tyrosine phosphatase domain-containing protein 1-like isoform X1
 CBJ23828.1 protein tyrosine phosphatase lambda B
 NP_001005583.1 protein tyrosine phosphatase type IVA 2
 EMP32560.1 Protein tyrosine phosphatase type IVA 3
 XP_001381714.1 protein tyrosine phosphatase type IVA 3 isoform X1
 XP_005162214.1 protein tyrosine phosphatase, non-receptor type 11, b isoform X1
 XP_005158252.1 protein tyrosine phosphatase, non-receptor type 23, a isoform X1
 XP_005159574.1 protein tyrosine phosphatase, non-receptor type 23, b isoform X1
 NP_001037778.2 protein tyrosine phosphatase, non-receptor type 4, b
 XP_005174003.1 protein tyrosine phosphatase, non-receptor type 4, b isoform X1
 NP_001159520.1 protein tyrosine phosphatase, receptor type, D isoform 1 precursor
 NP_001038642.1 protein tyrosine phosphatase, receptor type, E, b precursor
 NP_001018143.1 protein tyrosine phosphatase, receptor type, M, a precursor
 AAI63485.1 Protein tyrosine phosphatase, receptor type, N polypeptide 2
 NP_001124060.1 protein tyrosine phosphatase, receptor type, Na precursor
 XP_005165924.1 protein tyrosine phosphatase, receptor type, Nb isoform X1
 XP_692783.4 protein tyrosine phosphatase, receptor type, Nb isoform X2
 NP_001002362.1 protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2b
 NP_001186940.1 protein tyrosine phosphatase-like A domain containing 2-like
 XP_006274287.1 protein unc-119 homolog A
 NP_997952.1 protein unc-119 homolog B
 XP_707731.3 protein unc-119 homolog B isoform 2
 NP_001038630.1 protein unc-13 homolog A
 XP_005170547.1 protein unc-13 homolog A isoform X1
 XP_006790429.1 protein unc-13 homolog A-like
 XP_003201763.2 protein unc-13 homolog A-like, partial
 XP_003198663.2 protein unc-13 homolog B-like
 XP_005949016.1 protein unc-13 homolog B-like isoform X1
 XP_005159035.1 protein unc-13 homolog C
 XP_002667772.3 protein unc-13 homolog C-like
 XP_005156451.1 protein unc-13 homolog D-like

EMP38963.1	Protein unc-13 like protein C
NP_705959.1	protein unc-45 homolog B
XP_005283276.1	protein unc-50 homolog isoform X1
XP_005724063.1	protein unc-79 homolog
XP_005916777.1	protein unc-79 homolog isoform X6
XP_003198816.2	protein unc-80 homolog
XP_006792969.1	protein unc-80 homolog isoform X3
XP_005170239.1	protein unc-93 homolog A isoform X1
XP_005751890.1	protein unc-93 homolog A-like isoform X1
NP_001275745.1	protein unc-93 homolog B1
ETE72729.1	Protein unc-93-like B1
NP_001004671.1	protein UXT
EGW04122.1	Protein VAC14-like
XP_006799156.1	protein very KIND-like
XP_005933647.1	protein very KIND-like isoform X2
XP_005158092.1	protein virilizer homolog isoform X2
XP_688748.4	protein virilizer homolog isoform X3
XP_006631057.1	protein VPRBP-like
XP_005165805.1	protein Wiz isoform X1
XP_001341794.5	protein Wiz-like
XP_005458632.1	protein Wiz-like isoform X2
XP_006805123.1	protein Wiz-like isoform X3
ELK08405.1	Protein Wnt-10b
NP_571151.1	protein Wnt-11 precursor
XP_004076689.1	protein Wnt-11-like
NP_001093516.1	protein Wnt-16 precursor
XP_003448221.1	protein Wnt-1-like
NP_571025.1	protein Wnt-2 precursor
NP_001037809.1	protein Wnt-2b
XP_005428260.1	protein Wnt-3a
XP_005163717.1	protein Wnt-3a isoform X1
NP_001035477.1	protein Wnt-4a precursor
XP_004550851.1	protein Wnt-4a-like
XP_003963353.1	protein Wnt-5a-like
XP_004558940.1	protein Wnt-5a-like isoform X1
NP_571012.1	protein Wnt-5b precursor
XP_005991815.1	protein Wnt-6
XP_002662357.3	protein Wnt-6-like
XP_004033705.1	protein Wnt-7a
XP_691878.2	protein Wnt-7b
XP_001920219.1	protein Wnt-7b isoform X1
NP_571021.3	protein Wnt-8a ORF1 precursor
NP_001018637.2	protein Wnt-8a ORF2 precursor
NP_571034.1	protein Wnt-8b precursor
XP_005163718.1	protein Wnt-9a isoform X1
NP_001131132.1	protein Wnt-9b precursor
XP_005939473.1	protein wntless homolog
XP_005802405.1	protein wntless homolog isoform X1
NP_001103940.1	protein WWC3
XP_005165934.1	protein WWC3 isoform X1
NP_998611.1	protein XRP2
XP_005798171.1	protein ycf2-like
NP_001187338.1	protein YIF1B
XP_006627646.1	protein YIF1B-like
NP_001187280.1	protein YIPF2
NP_001187483.1	protein YIPF5
EPY73476.1	protein YIPF5-like protein
XP_006632827.1	protein YIPF6-like
EMC88930.1	Protein yippee-like 1, partial
XP_003977048.1	protein yippee-like 2-like
NP_001038536.2	protein Z-dependent protease inhibitor precursor
XP_006632604.1	protein Z-dependent protease inhibitor-like
XP_003440205.1	protein zer-1 homolog
XP_001339691.1	protein ZNF365-like isoform X1
NP_001186664.1	protein zwilch homolog
XP_006635361.1	protein zyg-11 homolog
ACN60235.1	Protein-arginine deiminase type-2
XP_005172155.1	protein-arginine deiminase type-2 isoform X2
NP_001108318.1	proteinase-activated receptor 1 precursor
NP_001133989.1	Proteinase-activated receptor 2 precursor
XP_005165306.1	proteinase-activated receptor 3
XP_002665915.2	proteinase-activated receptor 3-like
XP_001333055.3	proteinase-activated receptor 4-like
NP_955951.1	protein-associating with the carboxyl-terminal domain of ezrin
NP_001167319.1	Protein-cysteine N-palmitoyltransferase HHAT-like protein
XP_003439174.2	protein-cysteine N-palmitoyltransferase porcupine
XP_005930762.1	protein-cysteine N-palmitoyltransferase porcupine-like
NP_997821.2	protein-glutamine gamma-glutamyltransferase 2
XP_687398.2	protein-glutamine gamma-glutamyltransferase 2 isoform X2

CBN80793.1	Protein-glutamine gamma-glutamyltransferase 5
XP_003973530.1	protein-glutamine gamma-glutamyltransferase 5-like
XP_694950.3	protein-glutamine gamma-glutamyltransferase K isoform 2
XP_002665624.2	protein-glutamine gamma-glutamyltransferase K-like
NP_001035010.1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2
EMP36687.1	Protein-L-isoaspartate O-methyltransferase domain-containing protein 1
XP_003201222.1	protein-L-isoaspartate O-methyltransferase domain-containing protein 2-like
ELK11593.1	Protein-lysine 6-oxidase
XP_006627004.1	protein-lysine 6-oxidase-like
XP_005934663.1	protein-lysine 6-oxidase-like isoform X1
XP_003201274.1	protein-methionine sulfoxide oxidase mical1
XP_003963639.1	protein-methionine sulfoxide oxidase mical1-like
XP_004560360.1	protein-methionine sulfoxide oxidase mical1-like isoform X1
XP_001919097.4	protein-methionine sulfoxide oxidase MICAL2, partial
XP_004669191.1	protein-methionine sulfoxide oxidase MICAL3
XP_005159086.1	protein-methionine sulfoxide oxidase mical3a isoform X2
XP_005471153.1	protein-methionine sulfoxide oxidase mical3a-like
XP_005164661.1	protein-methionine sulfoxide oxidase mical3b isoform X3
XP_005164663.1	protein-methionine sulfoxide oxidase mical3b isoform X5
XP_005739138.1	protein-methionine sulfoxide oxidase MICAL3-like isoform X3
NP_001187809.1	protein-S-isoprenylcysteine O-methyltransferase
CAF06180.1	protein-tyrosine kinase
NP_997735.1	protein-tyrosine kinase 2-beta
XP_006626482.1	protein-tyrosine kinase 2-beta-like
XP_005914473.1	protein-tyrosine kinase 2-beta-like isoform X1
XP_004086453.1	protein-tyrosine kinase 6-like
XP_005933266.1	protein-tyrosine kinase 6-like isoform X2
CAZ68040.1	protein-tyrosine phosphatase IA-2 beta
XP_005157559.1	protein-tyrosine sulfotransferase 1 isoform X1
XP_006641121.1	protein-tyrosine sulfotransferase 1-like
NP_001187093.1	protein-tyrosine sulfotransferase 2 precursor
XP_006907795.1	proteoglycan 4
XP_005160747.1	proteoglycan 4 isoform X3
NP_001032762.1	proteoglycan 4 precursor
XP_005921370.1	proteoglycan 4-like
NP_001154917.1	proteolipid protein 2
XP_005169022.1	prothrombin isoform X1
NP_001019268.1	protocadherin 1 alpha 3 precursor
NP_001019270.1	protocadherin 1 alpha 4 precursor
NP_001019272.1	protocadherin 1 alpha 6 precursor
NP_001018640.1	protocadherin 1 gamma 1 precursor
AAI62581.1	Protocadherin 1 gamma 2
NP_001018872.1	protocadherin 1 gamma 2 precursor
AAI62450.1	Protocadherin 1 gamma 3
NP_001018871.1	protocadherin 1 gamma 3 precursor
XP_005155359.1	protocadherin 1 gamma 32 isoform X3
XP_005155360.1	protocadherin 1 gamma 32 isoform X4
XP_005155362.1	protocadherin 1 gamma 32 isoform X6
NP_001018614.2	protocadherin 1 gamma b 9 precursor
NP_001012675.2	protocadherin 1 gamma c 6 precursor
NP_997736.1	protocadherin 10a precursor
NP_878305.1	protocadherin 10b precursor
NP_001012500.1	protocadherin 15a precursor
NP_001012504.1	protocadherin 15b precursor
XP_005159903.1	protocadherin 18a isoform X2
NP_001108530.1	protocadherin 18a precursor
XP_005157386.1	protocadherin 18b isoform X1
NP_001009587.1	protocadherin 2 alpha a 3 precursor
XP_005157150.1	protocadherin 2 alpha b 12 isoform X1
XP_005157152.1	protocadherin 2 alpha b 12 isoform X3
XP_005157153.1	protocadherin 2 alpha b 12 isoform X4
NP_001009594.1	protocadherin 2 alpha b 7 precursor
NP_001009595.1	protocadherin 2 alpha b 8 precursor
NP_001019360.1	protocadherin 2 gamma 17
NP_001019371.1	protocadherin 2 gamma 28 precursor
NP_001019372.1	protocadherin 2 gamma 29 precursor
XP_004073489.1	protocadherin alpha-2-like
XP_003199861.2	protocadherin alpha-3-like
XP_005157162.1	protocadherin alpha-8
XP_003199824.1	protocadherin alpha-8-like
XP_003199844.2	protocadherin alpha-C2-like
XP_003199873.2	protocadherin beta-16-like
XP_005168398.1	protocadherin Fat 1 isoform X1
XP_005168400.1	protocadherin Fat 1 isoform X3
XP_005168403.1	protocadherin Fat 1 isoform X6
XP_004549318.1	protocadherin Fat 1-like isoform X9
XP_001920058.2	protocadherin Fat 2
XP_005164898.1	protocadherin Fat 3-like
XP_005950133.1	protocadherin Fat 3-like isoform X1

XP_003199405.2	protocadherin Fat 3-like, partial
XP_002660608.3	protocadherin Fat 4
XP_005173110.1	protocadherin Fat 4-like
XP_003199829.1	protocadherin gamma-A11-like
XP_005157167.1	protocadherin gamma-A12-like
XP_005155411.1	protocadherin gamma-A3-like
XP_005155402.1	protocadherin gamma-A6-like
XP_005155395.1	protocadherin gamma-A6-like isoform X1
XP_005155389.1	protocadherin gamma-C5-like
XP_006632077.1	protocadherin gamma-C5-like, partial
XP_001345220.3	protocadherin-1
XP_006007988.1	protocadherin-10-like
XP_003199820.2	protocadherin-10-like isoform X1
XP_005937770.1	protocadherin-10-like isoform X2
XP_002664482.3	protocadherin-11 Y-linked isoform X1
XP_683010.5	protocadherin-12
XP_005875982.1	protocadherin-15 isoform X10
XP_006630540.1	protocadherin-15-like
XP_005928204.1	protocadherin-15-like isoform X1
XP_005914166.1	protocadherin-15-like isoform X5
XP_001921284.3	protocadherin-16
XP_002664697.2	protocadherin-16-like
NP_001154294.1	protocadherin-17 precursor
ACQ72596.1	protocadherin-19 isoform 1
ACQ72597.1	protocadherin-19 isoform 2
NP_001120991.2	protocadherin-19 precursor
BAD60790.1	protocadherin-1-alpha-av1-vCP
XP_004552107.1	protocadherin-1-like isoform X3
XP_005802166.1	protocadherin-1-like, partial
XP_005948239.1	protocadherin-20-like isoform X1
CBN81537.1	Protocadherin-21
XP_001343759.5	protocadherin-23-like
BAD60804.1	protocadherin2-gamma-v12-sCP1
XP_005166554.1	protocadherin-7 isoform X1
XP_005159914.1	protocadherin-7-like isoform X2
XP_006801781.1	protocadherin-7-like isoform X4
XP_006639124.1	protocadherin-8-like
XP_001343511.4	protocadherin-9 isoform X1
XP_005159365.1	protocadherin-9-like
NP_001038495.1	protogenin A precursor
XP_003970092.1	protogenin A-like
XP_005945637.1	protogenin A-like isoform X2
XP_005144358.1	protoheme IX farnesyltransferase, mitochondrial-like
XP_005725959.1	protoheme IX farnesyltransferase, mitochondrial-like isoform X1
XP_005163236.1	proton myo-inositol cotransporter isoform X1
XP_006780611.1	proton myo-inositol cotransporter-like
XP_005915792.1	proton myo-inositol cotransporter-like isoform X2
ACQ90249.1	proton pump alpha subunit
ACT35619.1	proton pump beta subunit
XP_005724686.1	proton-associated sugar transporter A-like isoform X2
XP_687732.4	proton-coupled amino acid transporter 1
XP_006632103.1	proton-coupled amino acid transporter 1-like
XP_005943846.1	proton-coupled amino acid transporter 1-like isoform X1
XP_005379777.1	proton-coupled amino acid transporter 4 isoform X6
NP_956579.1	proton-coupled folate transporter
XP_005989789.1	proton-coupled folate transporter-like
XP_692833.6	proto-oncogene c-Fos
XP_698787.3	proto-oncogene c-Fos-like
XP_002663597.3	proto-oncogene DBL-like
NP_858048.2	proto-oncogene tyrosine-protein kinase receptor Ret precursor
XP_007120130.1	proto-oncogene tyrosine-protein kinase ROS
CBN80771.1	Proto-oncogene tyrosine-protein kinase Src
XP_005174187.1	proto-oncogene tyrosine-protein kinase Src isoform X1
XP_003963626.1	proto-oncogene tyrosine-protein kinase Src-like isoform 1
XP_004560362.1	proto-oncogene tyrosine-protein kinase Src-like isoform X1
XP_004547665.1	proto-oncogene tyrosine-protein kinase Src-like isoform X3
EMP31093.1	Proto-oncogene tyrosine-protein kinase Yrk
EMP26099.1	Proto-oncogene vav
XP_006631641.1	proto-oncogene vav-like
XP_005744577.1	proto-oncogene vav-like isoform X2
XP_005462714.1	proto-oncogene vav-like isoform X3
NP_001108024.1	proto-oncogene Wnt-3
BAE95179.1	protoporphyrinogen oxidase
XP_005166060.1	protransforming growth factor alpha isoform X1
XP_003972097.1	ptrudin-like
AAI39604.1	Prpf3 protein
AAH40127.1	PRPF38B protein, partial
CAP71938.1	prtga
Q2EY13.1	PRTGB_DANRE RecName: Full=Protogenin B; Flags: Precursor

CAA76641.1	PS1 protein
XP_005160817.1	P-selectin isoform X1
ACN10464.1	P-selectin precursor
XP_006629027.1	pseudopodium-enriched atypical kinase 1-like
NP_001104659.1	pseudouridylyl synthase 10
XP_006633301.1	pseudouridylyl synthase 7 homolog
XP_006782564.1	pseudouridylyl synthase 7 homolog isoform X1
NP_001038422.1	pseudouridylyl synthase 7 homolog-like protein
ABQ59647.1	PSMB10
AAH76169.1	Pspc1 protein
XP_005925836.1	PTB domain-containing engulfment adapter protein 1-like isoform X1
XP_005450533.1	PTB domain-containing engulfment adapter protein 1-like isoform X4
XP_005159315.1	PTB-containing, cubilin and LRP1-interacting protein isoform X1
XP_003441670.1	PTB-containing, cubilin and LRP1-interacting protein-like isoform X1
AAH91854.1	Ptbp1b protein
AAI69189.1	PTEN induced putative kinase 1
ACO14094.1	Pterin-4-alpha-carbinolamine dehydratase 2
AAI16576.1	Ptgs1 protein
AAI62580.1	Pth2r protein
AGT63300.1	Ptk7
AAI62720.1	Ptpn4 protein
AFD97013.1	PTPRDb
CBH41394.1	PTPRF interacting protein binding protein 1
AFD97012.1	PTPRFa.2
B3DK56.1	PTPRU_DANRE RecName: Full=Receptor-type tyrosine-protein phosphatase U; Short=R-PTP-U; AltName: Full=Receptor-type protein-tyrosine phosphatase psi; Short=R-PTP-psi; Flags: Precursor
Q803C9.2	PTSS1_DANRE RecName: Full=Phosphatidylserine synthase 1; Short=PSS-1; Short=PtdSer synthase 1; AltName: Full=Serine-exchange enzyme I
Q6IQE0.2	PU60B_DANRE RecName: Full=Poly(U)-binding-splicing factor PUF60-B
XP_003199363.1	pumilio domain-containing protein KIAA0020 homolog
XP_006627326.1	pumilio domain-containing protein KIAA0020-like
NP_001264060.1	pumilio homolog 1
XP_002767787.1	Pupal cuticle protein G1A, putative
XP_005169064.1	puratrophin-1
XP_005447827.1	puratrophin-1-like
ADO27906.1	purine nucleoside phosphorylase
NP_001002102.1	purine nucleoside phosphorylase 4a
AHB23864.1	purine nucleoside phosphorylase 5a
XP_003978089.1	purine nucleoside phosphorylase-like
AAI62912.1	Purinergic receptor P2X, ligand-gated ion channel, 1
AAI63063.1	Purinergic receptor P2X, ligand-gated ion channel, 2
NP_001001846.1	purine-rich element binding protein A
XP_004564735.1	purine-rich element-binding protein gamma-like
NP_001157499.1	puromycin-sensitive aminopeptidase
XP_004065532.1	puromycin-sensitive aminopeptidase-like
XP_004562277.1	puromycin-sensitive aminopeptidase-like isoform X2
ADO28302.1	purpurin
NP_001187969.1	purpurin precursor
XP_003953887.1	putative abhydrolase domain-containing protein FAM108A5-like
XP_005167122.1	putative adenosylhomocysteinase 2 isoform X1
ETE65771.1	putative adenosylhomocysteinase 2, partial
XP_004893466.1	putative adenosylhomocysteinase 3 isoform X4
XP_006780658.1	putative adenosylhomocysteinase 3-like isoform X1
XP_005797259.1	putative adenosylhomocysteinase 3-like isoform X2
ADN37679.1	putative adhesion protein
CBN81648.1	Putative all-trans-retinol 13,14-reductase
XP_004552433.1	putative all-trans-retinol 13,14-reductase-like
XP_003453431.1	putative all-trans-retinol 13,14-reductase-like isoform X1
XP_005451562.1	putative ankyrin repeat domain-containing protein 31-like
CAI38845.1	putative arginase 1 precursor
CAI38847.1	putative arginase 2C precursor
NP_001232069.1	putative aspartate beta-hydroxylase variant 2
XP_006806277.1	putative ATP-dependent Clp protease proteolytic subunit, mitochondrial-like isoform X2
EMC78940.1	putative ATP-dependent DNA helicase HFM1, partial
XP_005802058.1	putative ATP-dependent RNA helicase DDX11-like protein 8-like
XP_003437927.1	putative ATP-dependent RNA helicase DHX30-like
XP_005926882.1	putative ATP-dependent RNA helicase DHX33-like isoform X1
XP_001921063.2	putative ATP-dependent RNA helicase DHX57
NP_001123984.1	putative ATP-dependent RNA helicase TDRD9
XP_004089707.1	putative calcium-sensing receptor-like 1-like
AGL94522.1	putative cAMP responsive element binding protein 3-like protein 4
XP_687025.4	putative cation exchanger C521.04c-like
EMP26848.1	Putative cation-transporting ATPase 13A2
ELK31562.1	Putative cation-transporting ATPase 13A3
XP_005166027.1	putative ciliary rootlet coiled-coil protein-like 3 protein-like
AGL94529.1	putative CREB regulated transcription coactivator 2-like protein
XP_005165687.1	putative defense protein Hdd11
AGL94524.1	putative DENN domain containing protein 4B-like protein

NP_001002213.1	putative deoxyribonuclease TATDN1
XP_004073936.1	putative deoxyribonuclease TATDN1-like
ERE62939.1	putative deoxyribonuclease TATDN3-like protein
NP_001006097.1	putative deoxyribose-phosphate aldolase
XP_002661512.1	putative Dol-P-Glc:Glc(2)Man(9)GlcNAc(2)-PP-Dol alpha-1,2-glucosyltransferase-like
CAD67584.1	putative dystrophin
ERE75742.1	putative E3 ubiquitin-protein ligase HERC1-like protein
ERE92513.1	putative E3 ubiquitin-protein ligase pellino-like protein
XP_005173208.1	putative E3 ubiquitin-protein ligase SH3RF2-like isoform X1
XP_006632634.1	putative E3 ubiquitin-protein ligase UBR7-like
XP_004057020.1	putative E3 ubiquitin-protein ligase UNKL, partial
XP_003979935.1	putative enzymatic polyprotein-like, partial
NP_001083026.1	putative ferric-chelate reductase 1 precursor
XP_006634698.1	putative ferric-chelate reductase 1-like
XP_005452635.1	putative fibroblast growth factor 1-like isoform X2
NP_001201837.1	putative fidgetin-like protein 2
XP_004068134.1	putative gamma-glutamyltransferase YwrD-like
AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
XP_005802424.1	putative glycerol kinase 5-like
XP_005170661.1	putative golgin subfamily A member 6-like protein 8-like
XP_003197668.2	putative GPI-anchored protein PB15E9.01c
XP_005162811.1	putative GPI-anchored protein PB15E9.01c-like
ETE65141.1	putative G-protein coupled receptor 21
XP_005166053.1	putative GTP-binding protein 6 isoform X1
XP_006791991.1	putative GTP-binding protein 6-like isoform X1
XP_006791992.1	putative GTP-binding protein 6-like isoform X2
EGW14293.1	Putative GTP-binding protein Parf
XP_002662576.2	putative helicase mov-10-B.1
XP_006628426.1	putative helicase mov-10-B.1-like
NP_001037805.1	putative helicase mov-10-B.2
XP_003444057.2	putative helicase Mov10I1-like
ELW54064.1	putative histidyl-tRNA synthetase, mitochondrial
XP_004908292.1	putative histone-lysine N-methyltransferase PRDM6-like
NP_001107901.1	putative homeodomain transcription factor 1
XP_006783518.1	putative homeodomain transcription factor 1-like
ADO28151.1	putative hydrolase rbbp9
XP_003382176.1	putative integrase core domain protein
XP_003972975.1	putative interleukin-17 receptor E-like
ERE90991.1	putative intraflagellar transport protein 80 like protein
NP_001188210.1	putative l-aspartate dehydrogenase
XP_696219.4	putative leucine-rich repeat-containing protein DDB_G0290503
XP_004565478.1	putative leucine-rich repeat-containing protein DDB_G0290503-like
NP_001070229.1	putative malate dehydrogenase 1B
NP_001187120.1	putative membrane progesterin receptor gamma
XP_005159977.1	putative methyltransferase NSUN3 isoform X2
XP_005937883.1	putative methyltransferase NSUN5-like
XP_005449002.1	putative methyltransferase NSUN6-like
XP_005169112.1	putative methyltransferase NSUN6-like isoform X2
XP_006630104.1	putative methyltransferase NSUN7-like
XP_004545472.1	putative methyltransferase NSUN7-like isoform X2
XP_005467721.1	putative methyltransferase NSUN7-like isoform X5
XP_003199816.2	putative methyltransferase NSUN7-like, partial
XP_003969949.1	putative methyltransferase-like protein 21C pseudogene 1-like
AEO90418.1	putative Mhmt1 transposase
NP_001035083.2	putative monooxygenase p33MONOX
CAD92101.1	putative Na/K/2Cl cotransporter
BAH82655.1	putative Na/K/Cl cotransporter
NP_991244.1	putative N-acetylglucosamine-6-phosphate deacetylase
XP_001342856.1	putative N-acetyltransferase 16-like
XP_004576300.1	putative nuclear envelope pore membrane protein POM 121B-like
XP_003241093.1	putative nuclease HARB1
XP_003382960.1	putative nuclease HARB1-like
XP_006018203.1	putative nuclease HARB1-like isoform X1
XP_005164485.1	putative nuclease HARB1-like isoform X2
XP_005466195.1	putative nuclease HARB1-like, partial
AAN15746.1	putative nucleic acid binding protein
AAC64076.1	putative odorant receptor
NP_001187113.1	putative odorant receptor CF64 precursor
NP_001187018.1	putative oncoprotein nm23
NP_001007772.1	putative oxidoreductase GLYR1
XP_005164161.1	putative oxidoreductase GLYR1 isoform X1
XP_005164162.1	putative oxidoreductase GLYR1 isoform X2
XP_006807575.1	putative oxidoreductase GLYR1-like
XP_004071950.1	putative oxidoreductase GLYR1-like isoform 1
XP_003964388.1	putative oxidoreductase GLYR1-like isoform 3
XP_001340992.2	putative palmitoyltransferase ZDHHC22-like
YP_005434712.1	putative phage tail protein
AAW38963.1	putative pheromone receptor CPpr14
AAW38958.1	putative pheromone receptor CPpr9

XP_005804123.1	putative phospholipase B-like 2-like
XP_006788170.1	putative PIP5K1A and PSMD4-like protein-like
XP_005162395.1	putative Polycomb group protein ASXL1 isoform X2
XP_005799349.1	putative Polycomb group protein ASXL2-like
XP_001921737.1	putative Polycomb group protein ASXL2-like isoform X1
XP_696189.5	putative polypeptide N-acetylgalactosaminyltransferase-like protein 3-like
XP_003967166.1	putative polypeptide N-acetylgalactosaminyltransferase-like protein 4-like
XP_006000631.1	putative potassium channel regulatory protein-like
XP_005997924.1	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 isoform X3
XP_687318.4	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX32 isoform X2
XP_006630576.1	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX32-like
CAJ84769.1	putative prohormone convertase 1
XP_005801425.1	putative protein 2-like isoform X1
XP_003449721.2	putative protein arginine N-methyltransferase 10 isoform X1
EMP30721.1	Putative protein C14orf45 like protein
XP_003386677.1	putative protein FAM200B-like
ERE89626.1	putative protein Hook
XP_005174255.1	putative protein MSS51 homolog, mitochondrial-like isoform X2
XP_695128.1	putative protein PTGES3L-like
XP_005449283.1	putative protein TPRXL-like isoform X1
XP_683228.2	putative ribosomal RNA methyltransferase 2-like
XP_006804440.1	putative RNA exonuclease NEF-sp-like
CAA73349.1	putative RNA helicase (DEAD box)
NP_001264859.1	putative RNA polymerase II subunit B1 CTD phosphatase rpap2 isoform 1
XP_001335820.1	putative RNA-binding protein 15
XP_003642020.2	putative RNA-binding protein 15B
XP_006631056.1	putative RNA-binding protein 15B-like
XP_003269362.1	putative RNA-binding protein Luc7-like 1
XP_006810220.1	putative RNA-binding protein Luc7-like 1-like isoform X1
XP_006636989.1	putative RNA-binding protein Luc7-like 2-like
ERE67281.1	putative RNA-binding protein Musashi-like protein
XP_004079375.1	putative serine protease 56-like
EMP38881.1	Putative serine protease HTRA3
XP_005157500.1	putative serine/threonine-protein kinase F31E3.2-like
XP_003200943.1	putative serine/threonine-protein kinase F31E3.2-like isoform X1
XP_003198236.1	putative short-chain dehydrogenase/reductase family 42E member 2-like
XP_690237.6	putative sodium-coupled neutral amino acid transporter 10
XP_005448207.1	putative sodium-coupled neutral amino acid transporter 10-like isoform X1
XP_003199297.1	putative sodium-coupled neutral amino acid transporter 11-like
XP_005166570.1	putative sodium-coupled neutral amino acid transporter 7 isoform X1
XP_001333997.1	putative sodium-coupled neutral amino acid transporter 8-like isoform X1
NP_001073468.1	putative sodium-coupled neutral amino acid transporter 9
XP_005810063.1	putative sodium-coupled neutral amino acid transporter 9-like
CAD31112.1	putative sodium-potassium-chloride cotransporter
XP_699154.4	putative solute carrier family 22 member 31-like
EJH78180.1	putative Tc1-like transposase
CAD66520.2	putative thyroid hormone carrier
ADM64310.1	putative tissue factor pathway inhibitor 2
XP_006786393.1	putative transferase CAF17 homolog, mitochondrial-like
XP_005039394.1	putative transmembrane protein LOC401397-like
NP_001038694.1	putative transporter SVOPL
CBN81810.1	Putative transposase
AHL67534.1	putative tyrosine-protein kinase
XP_001336673.3	putative tyrosine-protein phosphatase auxilin isoform X1
XP_005165940.1	putative tyrosine-protein phosphatase auxilin isoform X2
XP_005803944.1	putative tyrosine-protein phosphatase auxilin-like
XP_005161047.1	putative UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase LOC402377-like
WP_022102011.1	putative uncharacterized protein
XP_003198324.2	putative uncharacterized protein C12orf63
XP_001922899.1	putative uncharacterized protein C3orf83-like
XP_001344933.1	putative uncharacterized protein DDB_G0271982-like
XP_005427049.1	putative uncharacterized protein FLJ22184-like
EFN73722.1	Putative uncharacterized protein FLJ37770
XP_006102439.1	putative uncharacterized zinc finger protein 814-like
EMP28410.1	Putative voltage-dependent N-type calcium channel subunit alpha-1B
XP_006808053.1	putative ZDHHC-type palmitoyltransferase 6-like
AGL94528.1	putative zinc/iron regulated protein
Q58EG3.2	PVRL3_DANRE RecName: Full=Poliovirus receptor-related protein 3-like; Flags: Precursor
XP_687488.4	PWWP domain-containing protein 2A-like isoform X2
XP_006639995.1	PWWP domain-containing protein MUM1-like
NP_001187602.1	px domain-containing protein c6orf145-like protein
XP_006631009.1	PX domain-containing protein kinase-like protein-like
XP_006628840.1	pygopus homolog 1-like
XP_004073762.1	pygopus homolog 2-like
NP_957057.1	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1
XP_005998923.1	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1 isoform X2
XP_005801270.1	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1-like
NP_001243145.1	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2

XP_004555866.1 pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2-like
 NP_001139058.1 pyridoxal kinase
 XP_003438308.1 pyridoxal kinase-like isoform X1
 NP_001167117.1 Pyridoxal phosphate phosphatase
 XP_005172133.1 pyridoxal phosphate phosphatase PHOSPHO2 isoform X1
 NP_001004552.2 pyridoxal-dependent decarboxylase domain-containing protein 1
 XP_003964422.1 pyridoxal-dependent decarboxylase domain-containing protein 1-like
 XP_004565897.1 pyridoxine-5'-phosphate oxidase-like
 XP_005621694.1 pyrin isoform X1
 XP_001920042.3 pyroglutamylated RFamide peptide receptor
 XP_002665976.2 pyroglutamylated RFamide peptide receptor-like
 XP_005173045.1 pyroglutamylated RFamide peptide receptor-like, partial
 XP_687083.4 pyroglutamyl-peptidase 1
 XP_005458342.1 pyrroline-5-carboxylate reductase 3-like isoform X2
 XP_005169477.1 pyrroline-5-carboxylate reductase isoform X1
 BAC23138.1 pyruvate carboxylase
 NP_001032759.1 pyruvate carboxylase a
 XP_004656798.1 pyruvate carboxylase, mitochondrial
 XP_006802574.1 pyruvate carboxylase, mitochondrial-like
 AGS58224.1 pyruvate carboxylase, partial
 XP_005165190.1 pyruvate dehydrogenase E1 alpha 1 isoform X1
 XP_005512810.1 pyruvate dehydrogenase E1 component subunit alpha, mitochondrial-like
 NP_998319.1 pyruvate dehydrogenase E1 component subunit beta, mitochondrial
 XP_683576.2 Pyruvate dehydrogenase lipoamide kinase isozyme 1, mitochondrial
 XP_003961887.1 Pyruvate dehydrogenase lipoamide kinase isozyme 1, mitochondrial-like
 XP_003961183.1 Pyruvate dehydrogenase lipoamide kinase isozyme 2, mitochondrial-like
 XP_004080690.1 pyruvate dehydrogenase lipoamide kinase isozyme 2-like
 XP_005162814.1 Pyruvate dehydrogenase lipoamide kinase isozyme 3, mitochondrial isoform X1
 XP_005407902.1 Pyruvate dehydrogenase lipoamide kinase isozyme 3, mitochondrial isoform X2
 XP_004081060.1 pyruvate dehydrogenase lipoamide kinase isozyme 3-like
 NP_001122176.1 Pyruvate dehydrogenase lipoamide kinase isozyme 4, mitochondrial
 XP_002665475.2 pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial
 XP_006779788.1 pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial-like
 XP_004069779.1 pyruvate dehydrogenase protein X component, mitochondrial-like
 XP_005941804.1 pyruvate dehydrogenase protein X component, mitochondrial-like isoform X1
 XP_005163170.1 pyruvate kinase isozymes M1/M2 isoform X1
 ACN11437.1 Pyruvate kinase muscle isozyme
 XP_004069610.1 pyruvate kinase muscle isozyme-like isoform 2
 XP_005805605.1 pyruvate kinase PKM-like isoform X2
 AAI54327.1 Pyruvate kinase, liver and RBC
 ADO28129.1 qil1
 AAH45519.1 Qtrtd1 protein
 EMP39512.1 Queuine tRNA-ribosyltransferase
 NP_001112368.2 queuine tRNA-ribosyltransferase subunit qtrtd1
 XP_005801602.1 queuine tRNA-ribosyltransferase-like
 XP_005942351.1 queuine tRNA-ribosyltransferase-like isoform X3
 NP_001103939.1 quinoid dihydropteridine reductase a
 XP_006003358.1 quinone oxidoreductase
 XP_005418540.1 quinone oxidoreductase PIG3
 ADO28204.1 quinone oxidoreductase-like protein 1
 AAI62633.1 Quo protein
 XP_001339211.3 R3H and coiled-coil domain-containing protein 1-like
 XP_690294.1 R3H domain and coiled-coil containing 1-like
 XP_688545.6 R3H domain-containing protein 1
 XP_006636295.1 R3H domain-containing protein 1-like
 XP_002662582.3 R3H domain-containing protein 2
 XP_695429.5 rab effector MyRIP
 XP_005163517.1 rab effector MyRIP isoform X1
 XP_004546955.1 rab effector MyRIP-like
 XP_005912167.1 rab effector MyRIP-like isoform X2
 XP_005162229.1 rab GDP dissociation inhibitor alpha isoform X1
 ACO09349.1 Rab GDP dissociation inhibitor beta
 XP_003441297.1 rab GDP dissociation inhibitor beta-like isoform X1
 XP_003201657.2 rab GTPase-activating protein 1
 XP_006834805.1 rab GTPase-activating protein 1 isoform X2
 XP_005251925.1 rab GTPase-activating protein 1 isoform X3
 XP_005460433.1 rab GTPase-activating protein 1-like
 NP_001125134.1 rab GTPase-activating protein 1-like isoform 1
 XP_005729332.1 rab GTPase-activating protein 1-like isoform X1
 XP_005733247.1 rab GTPase-activating protein 1-like, isoform 10-like isoform X2
 NP_001116759.1 rab GTPase-binding effector protein 1
 XP_006641035.1 rab GTPase-binding effector protein 1-like
 XP_005163971.1 rab GTPase-binding effector protein 2 isoform X1
 XP_005164248.1 rab11 family-interacting protein 1 isoform X1
 XP_005164249.1 rab11 family-interacting protein 1 isoform X2
 XP_005735319.1 rab11 family-interacting protein 1-like
 ACI66834.1 Rab11 family-interacting protein 2
 XP_003441278.1 rab11 family-interacting protein 2-like
 NP_001025441.1 rab11 family-interacting protein 3

XP_005162938.1 rab11 family-interacting protein 3 isoform X1
 XP_005282881.1 rab11 family-interacting protein 4 isoform X1
 NP_001002533.2 rab11 family-interacting protein 4A
 XP_005469999.1 rab11 family-interacting protein 4A-like isoform X1
 XP_005156644.1 rab11 family-interacting protein 5-like isoform X1
 XP_005156648.1 rab11 family-interacting protein 5-like isoform X2
 NP_956417.1 RAB11a, member RAS oncogene family, like
 AAI53495.1 Rab14 protein
 XP_001923878.2 rab15 effector protein
 AAV38499.1 RAB2, member RAS oncogene family
 XP_004342783.1 Rab21
 NP_001025142.1 RAB25, member RAS oncogene family b
 XP_007060942.1 rab3 GTPase-activating protein catalytic subunit
 XP_006011568.1 rab3 GTPase-activating protein catalytic subunit isoform X2
 XP_006636296.1 rab3 GTPase-activating protein catalytic subunit-like
 XP_006801690.1 rab3 GTPase-activating protein catalytic subunit-like isoform X2
 NP_001004528.1 rab3 GTPase-activating protein non-catalytic subunit
 XP_004082764.1 rab3 GTPase-activating protein non-catalytic subunit-like
 AAH66502.1 Rab32 protein
 NP_001073492.1 RAB39B, member RAS oncogene family b
 NP_001018417.1 rab-3A-interacting protein
 XP_005811239.1 rab-3A-interacting protein-like isoform X1
 AAH68420.1 Rab3gap1 protein
 XP_689291.5 RAB44, member RAS oncogene family
 NP_957137.1 rab5 GDP/GTP exchange factor
 XP_005172703.1 rab5 GDP/GTP exchange factor isoform X2
 XP_005748382.1 rab5 GDP/GTP exchange factor-like
 XP_006640866.1 rab5 GDP/GTP exchange factor-like isoform X1
 XP_006640867.1 rab5 GDP/GTP exchange factor-like isoform X2
 CAI11701.1 RAB5A member RAS oncogene family
 AAI65915.1 Rab5a protein
 NP_956679.1 RAB6-interacting golgin
 XP_006632422.1 rab9 effector protein with kelch motifs-like
 AGZ20496.1 rabconnectin-3a
 XP_697706.2 rabenosyn-5 isoform X2
 XP_004070825.1 rabenosyn-5-like
 XP_006633838.1 rab-like protein 2A-like
 NP_001038428.1 rab-like protein 2B
 XP_004566119.1 rab-like protein 3-like isoform X1
 XP_006007073.1 rab-like protein 6
 XP_006640628.1 rab-like protein 6-like
 XP_004611244.1 rabphilin-3A
 EOB06466.1 Rabphilin-3A, partial
 XP_004074643.1 rabphilin-3A-like
 XP_005172658.1 rabphilin-3A-like isoform X1
 XP_695377.6 rac GTPase-activating protein 1
 XP_005162355.1 rac GTPase-activating protein 1 isoform X1
 XP_005853334.1 RAC-alpha serine/threonine-protein kinase
 XP_003200336.2 RAC-alpha serine/threonine-protein kinase-like
 NP_937789.1 RAC-beta serine/threonine-protein kinase
 XP_001923454.3 RAC-gamma serine/threonine-protein kinase
 ERE73282.1 RAC-gamma serine/threonine-protein kinase-like protein
 NP_001038585.1 RAD21 homolog
 NP_001073519.1 RAD21-like 1
 NP_001038468.2 RAD50-interacting protein 1
 XP_005164807.1 RAD50-interacting protein 1 isoform X1
 NP_001037803.2 RAD51-associated protein 1
 AAY43162.1 Rad52 long isoform
 NP_001187357.1 rad52 motif-containing protein 1
 XP_003198269.1 RAD9, HUS1, RAD1-interacting nuclear orphan protein 1-like
 NP_001070227.1 radial spoke head 10 homolog B
 XP_006637419.1 radial spoke head 10 homolog B-like
 NP_001187641.1 radial spoke head 1-like protein
 XP_006626032.1 radial spoke head protein 3 homolog
 XP_001923770.1 radial spoke head protein 4 homolog A isoform 1
 NP_001025284.1 radial spoke head protein 9 homolog
 NP_001020727.1 radical S-adenosyl methionine domain-containing protein 2
 ELK32481.1 Radixin
 XP_005932607.1 radixin-like isoform X1
 Q7ZWF0.2 RAE1L_DANRE RecName: Full=mRNA export factor; AltName: Full=Rae1 protein homolog;
 AltName: Full=mRNA-associated protein mrmp 41
 EMP38869.1 RAF proto-oncogene serine/threonine-protein kinase
 NP_998585.1 raftlin-2
 XP_005933441.1 raftlin-2-like
 XP_005173593.1 raftlin-like
 XP_005173594.1 raftlin-like, partial
 XP_006627908.1 regulator complex protein LAMTOR1-like
 XP_005515412.1 regulator complex protein LAMTOR2
 NP_001038415.1 regulator complex protein LAMTOR4

BAC16311.1	Raichu-1011X
BAC99017.1	Raichu-1237X
XP_007072857.1	Ral GEF with PH domain and SH3 binding motif 1
NP_001139776.1	ral GTPase-activating protein subunit alpha-1
XP_005047361.1	ral GTPase-activating protein subunit alpha-1 isoform X1
XP_005158699.1	ral GTPase-activating protein subunit alpha-1 isoform X3
XP_005158700.1	ral GTPase-activating protein subunit alpha-1 isoform X4
XP_004082755.1	ral GTPase-activating protein subunit alpha-1-like
XP_005158960.1	ral GTPase-activating protein subunit alpha-2 isoform X2
XP_005158961.1	ral GTPase-activating protein subunit alpha-2 isoform X3
XP_005158963.1	ral GTPase-activating protein subunit alpha-2 isoform X5
XP_006626199.1	ral GTPase-activating protein subunit alpha-2-like
XP_005922403.1	ral GTPase-activating protein subunit alpha-2-like isoform X4
XP_002662611.2	ral GTPase-activating protein subunit beta
XP_006639450.1	ral GTPase-activating protein subunit beta-like
EMC79857.1	Ral guanine nucleotide dissociation stimulator, partial
XP_002667459.1	ral guanine nucleotide dissociation stimulator-like
NP_991200.1	ral guanine nucleotide dissociation stimulator-like 1
XP_005166859.1	ral guanine nucleotide dissociation stimulator-like 1 isoform X1
XP_003443208.2	ral guanine nucleotide dissociation stimulator-like 1-like
XP_006790383.1	ral guanine nucleotide dissociation stimulator-like 1-like isoform X2
NP_001108565.2	ral guanine nucleotide dissociation stimulator-like 2
XP_005158441.1	ral guanine nucleotide dissociation stimulator-like 2 isoform X1
XP_005165810.1	ral guanine nucleotide dissociation stimulator-like 3a isoform X4
P22124.1	RAL_DIPOM RecName: Full=Ras-related protein O-RAL; Flags: Precursor
NP_956768.1	Ral-A exchange factor RalGPS2
XP_006187010.1	ralA-binding protein 1
XP_005802024.1	ralA-binding protein 1-like
XP_005475127.1	ralBP1-associated Eps domain-containing protein 1 isoform X1
XP_005160889.1	ralBP1-associated Eps domain-containing protein 1 isoform X2
XP_005160891.1	ralBP1-associated Eps domain-containing protein 1 isoform X4
NP_001188432.1	Ran binding protein 10
NP_001070084.1	RAN GTPase activating protein 1
XP_005156211.1	Ran GTPase activating protein 1b isoform X1
XP_006627500.1	ran guanine nucleotide release factor-like
XP_005159199.1	ran-binding protein 10 isoform X1
XP_006641465.1	ran-binding protein 10-like
NP_956984.1	ran-binding protein 3
XP_006640040.1	ran-binding protein 3-like
XP_002746257.2	ran-binding protein 9
XP_005934130.1	ran-binding protein 9-like
AA165240.1	Ranbp9 protein
NP_001002168.1	ranBP-type and C3HC4-type zinc finger-containing protein 1
XP_005812926.1	ranBP-type and C3HC4-type zinc finger-containing protein 1-like
XP_004558636.1	ran-specific GTPase-activating protein-like
NP_957420.1	Rap guanine nucleotide exchange factor (GEF) 1b
NP_001092249.1	Rap guanine nucleotide exchange factor (GEF) 5b
XP_005166961.1	rap guanine nucleotide exchange factor 1 isoform X1
XP_686957.6	rap guanine nucleotide exchange factor 1 isoform X2
XP_006640748.1	rap guanine nucleotide exchange factor 1-like
XP_005173396.1	rap guanine nucleotide exchange factor 2 isoform X5
XP_005800661.1	rap guanine nucleotide exchange factor 2-like
XP_005162410.1	rap guanine nucleotide exchange factor 3-like
XP_687578.4	rap guanine nucleotide exchange factor 4 isoform 2
XP_002665506.2	rap guanine nucleotide exchange factor 5
XP_003454478.2	rap guanine nucleotide exchange factor 5 isoform X1
XP_006636263.1	rap guanine nucleotide exchange factor 5-like
XP_004541575.1	rap guanine nucleotide exchange factor 5-like isoform X1
XP_005173796.1	rap guanine nucleotide exchange factor 5-like, partial
XP_005923150.1	rap guanine nucleotide exchange factor 6-like
XP_001921020.3	rap guanine nucleotide exchange factor-like 1-like
XP_003198882.2	rap1 GTPase-activating protein 1
XP_005162199.1	rap1 GTPase-activating protein 1 isoform X1
XP_005158249.1	rap1 GTPase-activating protein 1-like
XP_005808015.1	rap1 GTPase-activating protein 2-like
XP_006803961.1	rap1 GTPase-activating protein 2-like isoform X1
XP_005464658.1	rap1 GTPase-activating protein 2-like isoform X9
XP_001921954.3	rap1 GTPase-GDP dissociation stimulator 1
XP_005278547.1	rap1 GTPase-GDP dissociation stimulator 1 isoform X2
XP_006629968.1	rap1 GTPase-GDP dissociation stimulator 1-like
XP_001921907.2	rapamycin-insensitive companion of mTOR isoform X1
XP_005161298.1	rapamycin-insensitive companion of mTOR isoform X2
XP_005161299.1	rapamycin-insensitive companion of mTOR isoform X3
XP_001920285.4	rapamycin-insensitive companion of mTOR, partial
NP_001138710.1	rapunzel
NP_001017910.1	rapunzel 4
NP_001103594.1	rapunzel 5

Q91392.2 RARGA_DANRE RecName: Full=Retinoic acid receptor gamma-A; Short=RAR-gamma-A; Short=zRAR gamma; AltName: Full=Nuclear receptor subfamily 1 group B member 3-A; AltName: Full=RAR-gamma-2

NP_001264023.1 RAR-related orphan receptor C b

NP_001116518.1 RAS (RAD and GEM)-like GTP binding 2

XP_699335.4 ras and EF-hand domain-containing protein

XP_004070242.1 ras and EF-hand domain-containing protein-like

XP_005170629.1 ras and Rab interactor 2-like

XP_005751758.1 ras and Rab interactor 2-like isoform X1

XP_001339622.2 ras and Rab interactor 3

NP_922933.1 Ras association (RalGDS/AF-6) domain family (N-terminal) member 7b

XP_005166519.1 Ras association (RalGDS/AF-6) domain family (N-terminal) member 7b isoform X1

XP_005156880.1 Ras association (RalGDS/AF-6) domain family member 4 isoform X1

ACN11394.1 Ras association domain-containing protein 1

XP_005308803.1 ras association domain-containing protein 1 isoform X1

XP_001921665.1 ras association domain-containing protein 10

XP_006789986.1 ras association domain-containing protein 2-like isoform X1

ADO28037.1 ras association domain-containing protein 3

XP_006633899.1 ras association domain-containing protein 5-like

XP_001920863.4 ras association domain-containing protein 5-like isoform X1

XP_005164557.1 ras association domain-containing protein 5-like isoform X4

XP_006011456.1 ras association domain-containing protein 6

XP_005163152.1 ras association domain-containing protein 8 isoform X1

XP_005167191.1 ras association domain-containing protein 8-like

XP_001342892.4 ras association domain-containing protein 8-like isoform X1

XP_001922355.3 ras association domain-containing protein 9-like

XP_003975169.1 ras GTPase-activating protein 1-like

XP_006010912.1 ras GTPase-activating protein 2

XP_005474519.1 ras GTPase-activating protein 2 isoform X2

XP_002667523.2 ras GTPase-activating protein 2-like

XP_003445822.1 ras GTPase-activating protein 3

XP_004543390.1 ras GTPase-activating protein 3-like isoform X1

EPY83934.1 ras GTPase-activating protein 4 isoform 1

XP_005172052.1 ras GTPase-activating protein 4 isoform X1

XP_005172053.1 ras GTPase-activating protein 4 isoform X2

NP_001167393.1 Ras GTPase-activating protein nGAP

XP_001332688.5 ras GTPase-activating protein nGAP isoform X1

XP_003507527.1 ras GTPase-activating protein nGAP isoform X2

XP_003200549.2 ras GTPase-activating protein SynGAP isoform X1

XP_005159373.1 ras GTPase-activating protein SynGAP isoform X2

XP_005159375.1 ras GTPase-activating protein SynGAP isoform X4

XP_004568625.1 ras GTPase-activating protein SynGAP-like isoform X11

NP_001121812.1 ras GTPase-activating-like protein IQGAP1

XP_004566421.1 ras GTPase-activating-like protein IQGAP1-like

XP_005065559.1 ras GTPase-activating-like protein IQGAP2

XP_006626777.1 ras GTPase-activating-like protein IQGAP2-like

XP_006641893.1 ras GTPase-activating-like protein IQGAP3-like

XP_005462425.1 ras GTPase-activating-like protein IQGAP3-like isoform X3

XP_005167921.1 ras guanine nucleotide exchange factor F isoform X1

XP_683707.1 ras guanine nucleotide exchange factor F isoform X2

XP_005168989.1 ras guanine nucleotide exchange factor L

NP_001038327.1 RAS guanyl-releasing protein 1

XP_005173714.1 RAS guanyl-releasing protein 1 isoform X1

XP_005173715.1 RAS guanyl-releasing protein 1 isoform X2

XP_006632562.1 RAS guanyl-releasing protein 1-like

XP_005916922.1 RAS guanyl-releasing protein 1-like isoform X3

XP_003450389.1 RAS guanyl-releasing protein 2 isoform X1

XP_005455253.1 RAS guanyl-releasing protein 2 isoform X2

XP_001338129.5 RAS guanyl-releasing protein 2-like

XP_004567149.1 RAS guanyl-releasing protein 2-like isoform X1

XP_005931658.1 RAS guanyl-releasing protein 2-like isoform X3

NP_001103934.1 ras guanyl-releasing protein 3

XP_006638895.1 ras guanyl-releasing protein 3-like

NP_001187907.1 ras homolog enriched in brain

NP_001016369.1 ras homolog family member F (in filopodia)

XP_002666722.1 ras suppressor protein 1 isoform X1

XP_005801881.1 ras/Rap GTPase-activating protein SynGAP-like isoform X2

XP_005167561.1 ras-associated and pleckstrin homology domains-containing protein 1 isoform X1

XP_005160012.1 ras-associated and pleckstrin homology domains-containing protein 1 isoform X2

XP_005167563.1 ras-associated and pleckstrin homology domains-containing protein 1 isoform X3

XP_005160014.1 ras-associated and pleckstrin homology domains-containing protein 1 isoform X4

XP_005167565.1 ras-associated and pleckstrin homology domains-containing protein 1 isoform X5

NP_001096039.1 ras-associating and dilute domain-containing protein

XP_005621196.1 ras-associating and dilute domain-containing protein isoform X1

XP_002661331.3 ras-associating and dilute domain-containing protein-like

XP_005740024.1 ras-associating and dilute domain-containing protein-like isoform X1

NP_001007782.1 ras-dva small GTPase

EMP30370.1 Ras-GEF domain-containing family member 1B

XP_005165335.1 ras-GEF domain-containing family member 1B-A isoform X1

NP_001003479.1	ras-GEF domain-containing family member 1B-B
XP_001921579.4	ras-interacting protein 1
NP_001121838.1	ras-like protein family member 10B
XP_003198759.2	ras-like protein family member 10B-like, partial
ACI69589.1	Ras-like protein family member 11B
XP_005732360.1	ras-like protein family member 11B-like
NP_956689.1	ras-like protein family member 12
AAX20132.1	ras-like protein Rnd3b
XP_004082900.1	ras-related and estrogen-regulated growth inhibitor-like
ADO28230.1	ras-related and estrogen-regulated growth inhibitor-like protein
XP_004069439.1	ras-related and estrogen-regulated growth inhibitor-like protein-like
XP_003198227.1	ras-related C3 botulinum toxin substrate 1-like
XP_005925452.1	ras-related C3 botulinum toxin substrate 1-like isoform X1
XP_004007578.1	ras-related C3 botulinum toxin substrate 2
EPY88381.1	ras-related C3 botulinum toxin substrate 2 precursor
ADO27935.1	ras-related c3 botulinum toxin substrate 3
XP_006881411.1	ras-related GTP-binding protein A
XP_004390180.1	ras-related GTP-binding protein B isoform 2
XP_003917834.1	ras-related GTP-binding protein B-like isoform 1
XP_006134300.1	ras-related GTP-binding protein C
ERE83997.1	ras-related GTP-binding protein D
XP_005049632.1	ras-related protein M-Ras-like isoform X2
XP_003199272.1	ras-related protein M-Ras-like isoform X1
ADO28003.1	ras-related protein rab-10
XP_001518037.2	ras-related protein Rab-11A
XP_004886673.1	ras-related protein Rab-11B isoform X1
NP_001018466.1	ras-related protein Rab-12
XP_004555315.1	ras-related protein Rab-12-like
XP_003450941.1	ras-related protein Rab-13-like
XP_006120830.1	ras-related protein Rab-14 isoform X1
XP_005529111.1	ras-related protein Rab-15
XP_006632502.1	ras-related protein Rab-15-like
NP_001003449.1	ras-related protein Rab-18-B
XP_004560982.1	ras-related protein Rab-19-like
XP_004083059.1	ras-related protein Rab-19-like isoform 1
XP_005170725.1	ras-related protein Rab-19-like isoform X1
XP_003758282.1	ras-related protein Rab-1A
NP_997936.1	ras-related protein Rab-20
XP_004053632.1	ras-related protein Rab-21
XP_006214077.1	ras-related protein Rab-22A
XP_005673104.1	ras-related protein Rab-22A isoform X1
NP_001018579.1	ras-related protein Rab-23
XP_004772442.1	ras-related protein Rab-23-like
XP_005748376.1	ras-related protein Rab-24-like isoform X2
NP_001017715.1	ras-related protein Rab-26
XP_004662541.1	ras-related protein Rab-27A
XP_004885663.1	ras-related protein Rab-27A isoform X1
NP_001187761.1	ras-related protein rab-27b
NP_001188206.1	ras-related protein Rab-28
NP_001002750.1	ras-related protein Rab-30
XP_006796686.1	ras-related protein Rab-30-like isoform X1
XP_697248.2	ras-related protein Rab-31-like
XP_005924659.1	ras-related protein Rab-31-like isoform X2
XP_006807118.1	ras-related protein Rab-32-like
NP_001038893.1	ras-related protein Rab-33A
XP_006632983.1	ras-related protein Rab-33A-like
XP_003221703.1	ras-related protein Rab-33B
NP_001006094.1	ras-related protein Rab-34
XP_005157479.1	ras-related protein Rab-34 isoform X1
XP_001346073.4	ras-related protein Rab-34-like
XP_004071163.1	ras-related protein Rab-35-like
XP_004556480.1	ras-related protein Rab-35-like isoform X1
ADO27967.1	ras-related protein rab-36
XP_003438534.1	ras-related protein Rab-37-like
XP_005357676.1	ras-related protein Rab-38
XP_690992.3	ras-related protein Rab-38-like isoform X3
NP_998207.1	Ras-related protein Rab-39A
XP_003443794.2	ras-related protein Rab-39A-like
XP_003200275.1	ras-related protein Rab-39B-like
XP_004564853.1	ras-related protein Rab-3A-like
XP_685654.3	ras-related protein Rab-3B
XP_005166882.1	ras-related protein Rab-3C isoform X1
XP_001489964.2	ras-related protein Rab-3D
XP_004071189.1	ras-related protein Rab-40C-like
NP_001038812.1	ras-related protein Rab-43
XP_005159088.1	ras-related protein Rab-44-like
XP_006638467.1	ras-related protein Rab-4A-like
ADO27926.1	ras-related protein rab-4b
XP_004776157.1	ras-related protein Rab-4B isoform X2

NP_001187496.1	ras-related protein rab-5a
XP_003444107.1	ras-related protein Rab-5A-like isoform X1
EPQ08336.1	Ras-related protein Rab-6A
XP_006745336.1	ras-related protein Rab-6B
XP_004079295.1	ras-related protein Rab-6B-like isoform 2
XP_004073166.1	ras-related protein Rab-6B-like isoform 3
NP_001187403.1	ras-related protein rab-7a
XP_003442718.1	ras-related protein Rab-7a-like
AHL29952.1	Ras-related protein Rab-8A
XP_001918101.1	ras-related protein Rab-8B
XP_003201512.2	ras-related protein Rab-8B-like, partial
NP_001038931.1	ras-related protein Rab-9A
XP_001339262.1	ras-related protein Rab-9B
XP_004708086.1	ras-related protein Ral-A
ERE73820.1	ras-related protein Ral-B-like protein
ACI69751.1	Ras-related protein Rap-1b precursor
XP_003199211.1	ras-related protein Rap-2a-like isoform X1
NP_001167430.1	ras-related protein Rap-2c
NP_001005931.2	ras-related protein R-Ras
XP_003412204.1	ras-related protein R-Ras2-like
XP_004543243.1	ras-related protein R-Ras2-like isoform X2
XP_005163422.1	ras-responsive element-binding protein 1 isoform X1
XP_005162534.1	ras-responsive element-binding protein 1 isoform X2
XP_004080910.1	ras-responsive element-binding protein 1-like
XP_006628921.1	ras-specific guanine nucleotide-releasing factor 1-like
XP_003440459.1	ras-specific guanine nucleotide-releasing factor 1-like isoform X1
NP_001121705.1	ras-specific guanine nucleotide-releasing factor 2
XP_006626669.1	ras-specific guanine nucleotide-releasing factor 2-like
XP_004547127.1	ras-specific guanine nucleotide-releasing factor 2-like isoform X1
XP_005795005.1	ras-specific guanine nucleotide-releasing factor 2-like isoform X2
XP_005919180.1	ras-specific guanine nucleotide-releasing factor 2-like isoform X3
NP_001093616.1	ras-specific guanine nucleotide-releasing factor RalGPS1
XP_003439939.2	ras-specific guanine nucleotide-releasing factor RalGPS2 isoform X1
XP_005795616.1	ras-specific guanine nucleotide-releasing factor RalGPS2-like isoform X2
XP_005923271.1	ras-specific guanine nucleotide-releasing factor RalGPS2-like isoform X3
AAI54731.1	Rb1 protein
XP_006258873.1	RB1-inducible coiled-coil protein 1-like
XP_006786423.1	RB1-inducible coiled-coil protein 1-like isoform X1
AEX13745.1	rBAT protein
AAI54771.1	Rbm34 protein
NP_956285.1	RCC1 and BTB domain-containing protein 1
XP_005171027.1	RCC1 and BTB domain-containing protein 1 isoform X1
XP_005173422.1	RCC1 and BTB domain-containing protein 2 isoform X2
XP_005736026.1	RCC1 and BTB domain-containing protein 2-like
ACI33792.1	RCC2 homolog
EDM12610.1	rCG47633, isoform CRA_c
EDL95638.1	rCG58137, isoform CRA_b
Q7T2D1.2	RD10B_DANRE RecName: Full=Retinol dehydrogenase 10-B
AAH49479.1	Rdx protein, partial
XP_001922907.1	RE1-silencing transcription factor
XP_006629820.1	RE1-silencing transcription factor A-like
XP_005164195.1	receptor (G protein-coupled) activity modifying protein 2 isoform X2
NP_001032664.1	receptor accessory protein 3a
NP_001004656.1	receptor accessory protein 6
NP_001013554.2	receptor accessory protein 6-like
ACI69031.1	Receptor activity-modifying protein 1 precursor
XP_006793738.1	receptor activity-modifying protein 1-like
XP_001340207.3	receptor expression-enhancing protein 1-like isoform X1
XP_006086685.1	receptor expression-enhancing protein 2
XP_005173189.1	receptor expression-enhancing protein 2 isoform X1
XP_005360500.1	receptor expression-enhancing protein 3
ADO28071.1	receptor expression-enhancing protein 5
CAC44759.1	receptor protein-tyrosine phosphatase sigma
AAS92271.1	receptor tyrosine kinase Flt1b
AAS92272.1	receptor tyrosine kinase Flt4
NP_956413.2	receptor tyrosine-protein kinase erbB-2 precursor
XP_006785870.1	receptor tyrosine-protein kinase erbB-3-like
XP_005469579.1	receptor tyrosine-protein kinase erbB-3-like isoform X1
XP_002667263.3	receptor tyrosine-protein kinase erbB-4
NP_001137223.1	receptor tyrosine-protein kinase erbB-4 precursor
XP_005167927.1	receptor tyrosine-protein kinase erbB-4-like
XP_005170939.1	receptor tyrosine-protein kinase erbB-4-like, partial
ADO28311.1	receptor-binding cancer antigen expressed on siso cells
ABC94496.1	receptor-interacting factor 1 isoform 1-like protein
NP_001036815.1	receptor-interacting serine/threonine-protein kinase 1
XP_005476427.1	receptor-interacting serine/threonine-protein kinase 1-like isoform X1
NP_919392.2	receptor-interacting serine/threonine-protein kinase 2
XP_005166455.1	receptor-interacting serine/threonine-protein kinase 2-like
NP_001133945.1	receptor-interacting serine/threonine-protein kinase 4

BAF62164.1	receptor-interacting serine-threonine kinase 2
XP_693604.5	receptor-transporting protein 2
XP_001921760.2	receptor-type tyrosine-protein kinase FLT3-like
XP_006758093.1	receptor-type tyrosine-protein phosphatase alpha isoform X5
XP_005808519.1	receptor-type tyrosine-protein phosphatase alpha-like
XP_003798984.1	receptor-type tyrosine-protein phosphatase beta isoform 3
XP_006633648.1	receptor-type tyrosine-protein phosphatase beta-like
XP_004571601.1	receptor-type tyrosine-protein phosphatase beta-like isoform X2
XP_005470265.1	receptor-type tyrosine-protein phosphatase beta-like isoform X4
XP_002667259.3	receptor-type tyrosine-protein phosphatase beta-like, partial
NP_001186992.1	receptor-type tyrosine-protein phosphatase C precursor
XP_006730657.1	receptor-type tyrosine-protein phosphatase delta
XP_005172469.1	receptor-type tyrosine-protein phosphatase delta isoform X11
XP_005172474.1	receptor-type tyrosine-protein phosphatase delta isoform X16
XP_003967036.1	receptor-type tyrosine-protein phosphatase delta-like
XP_005920608.1	receptor-type tyrosine-protein phosphatase delta-like isoform X1
XP_005476195.1	receptor-type tyrosine-protein phosphatase delta-like isoform X10
XP_005468276.1	receptor-type tyrosine-protein phosphatase delta-like isoform X15
XP_005468278.1	receptor-type tyrosine-protein phosphatase delta-like isoform X17
XP_005468280.1	receptor-type tyrosine-protein phosphatase delta-like isoform X19
XP_006786746.1	receptor-type tyrosine-protein phosphatase delta-like isoform X3
XP_005164373.1	receptor-type tyrosine-protein phosphatase epsilon isoform X5
XP_003199699.1	receptor-type tyrosine-protein phosphatase epsilon isoform X1
XP_003199700.1	receptor-type tyrosine-protein phosphatase epsilon isoform X2
XP_005794709.1	receptor-type tyrosine-protein phosphatase epsilon-like isoform X1
XP_691796.5	receptor-type tyrosine-protein phosphatase eta-like
XP_005165743.1	receptor-type tyrosine-protein phosphatase F isoform X2
NP_001077045.1	receptor-type tyrosine-protein phosphatase F precursor
XP_005010392.1	receptor-type tyrosine-protein phosphatase F-like
XP_006792315.1	receptor-type tyrosine-protein phosphatase F-like isoform X5
XP_005735034.1	receptor-type tyrosine-protein phosphatase F-like isoform X6
XP_004079586.1	receptor-type tyrosine-protein phosphatase F-like, partial
XP_001920779.4	receptor-type tyrosine-protein phosphatase gamma
XP_006862157.1	receptor-type tyrosine-protein phosphatase gamma isoform X1
XP_003432900.1	receptor-type tyrosine-protein phosphatase gamma isoform X1
XP_005751963.1	receptor-type tyrosine-protein phosphatase gamma-like
XP_003201319.2	receptor-type tyrosine-protein phosphatase H-like
XP_001920950.4	receptor-type tyrosine-protein phosphatase kappa
XP_005475087.1	receptor-type tyrosine-protein phosphatase kappa isoform X7
XP_003200710.2	receptor-type tyrosine-protein phosphatase kappa-like
XP_006792718.1	receptor-type tyrosine-protein phosphatase kappa-like isoform X12
XP_005935438.1	receptor-type tyrosine-protein phosphatase kappa-like isoform X8
XP_004579781.1	receptor-type tyrosine-protein phosphatase mu
XP_003975391.1	receptor-type tyrosine-protein phosphatase mu-like
XP_005466096.1	receptor-type tyrosine-protein phosphatase mu-like isoform X3
XP_006792342.1	receptor-type tyrosine-protein phosphatase mu-like isoform X4
XP_006792343.1	receptor-type tyrosine-protein phosphatase mu-like isoform X5
XP_004555336.1	receptor-type tyrosine-protein phosphatase mu-like isoform X6
XP_005924683.1	receptor-type tyrosine-protein phosphatase mu-like isoform X7
XP_005679765.1	receptor-type tyrosine-protein phosphatase N2
NP_001122139.1	receptor-type tyrosine-protein phosphatase N2 precursor
XP_005171453.1	receptor-type tyrosine-protein phosphatase N2-like
XP_005475774.1	receptor-type tyrosine-protein phosphatase O isoform X2
XP_005475775.1	receptor-type tyrosine-protein phosphatase O isoform X3
NP_001077283.1	receptor-type tyrosine-protein phosphatase O precursor
XP_005812746.1	receptor-type tyrosine-protein phosphatase O-like
XP_004281939.1	receptor-type tyrosine-protein phosphatase R
XP_006781246.1	receptor-type tyrosine-protein phosphatase R-like
XP_005332281.1	receptor-type tyrosine-protein phosphatase S
XP_001920953.4	receptor-type tyrosine-protein phosphatase S isoform X1
XP_005161944.1	receptor-type tyrosine-protein phosphatase S isoform X2
XP_003198030.2	receptor-type tyrosine-protein phosphatase S, partial
XP_004543040.1	receptor-type tyrosine-protein phosphatase S-like
XP_005797147.1	receptor-type tyrosine-protein phosphatase S-like isoform X2
XP_003200614.2	receptor-type tyrosine-protein phosphatase U isoform X1
XP_005159611.1	receptor-type tyrosine-protein phosphatase U isoform X4
XP_005159612.1	receptor-type tyrosine-protein phosphatase U isoform X5
NP_001002299.1	receptor-type tyrosine-protein phosphatase U precursor
XP_003200266.2	receptor-type tyrosine-protein phosphatase U, partial
XP_004560033.1	receptor-type tyrosine-protein phosphatase U-like isoform X2
XP_005450759.1	receptor-type tyrosine-protein phosphatase U-like isoform X6
XP_006013861.1	receptor-type tyrosine-protein phosphatase U-like, partial
XP_005448790.1	receptor-type tyrosine-protein phosphatase V-like isoform X2
XP_005164582.1	receptor-type tyrosine-protein phosphatase zeta isoform X1
XP_005163194.1	receptor-type tyrosine-protein phosphatase zeta isoform X2
XP_684728.4	receptor-type tyrosine-protein phosphatase zeta isoform X3
XP_006633473.1	receptor-type tyrosine-protein phosphatase zeta-like
XP_004662960.1	receptor-type tyrosine-protein phosphatase-like N isoform X1
ABM65103.1	recombination activating protein 1

ABP98948.1 recombination activating protein 2
 NP_942579.2 recombination signal binding protein for immunoglobulin kappa J region a
 XP_005159884.1 recombination signal binding protein for immunoglobulin kappa J region a isoform X1
 XP_002662588.2 recombination signal binding protein for immunoglobulin kappa J region-like
 XP_005795076.1 recQ-mediated genome instability protein 1-like
 XP_005699330.1 redox-regulatory protein FAM213A isoform X1
 NP_001092130.1 reggie protein 2a
 ADO27734.1 regucalcin
 XP_005168452.1 regulating synaptic membrane exocytosis protein 1
 XP_696908.5 regulating synaptic membrane exocytosis protein 1-like
 XP_005746074.1 regulating synaptic membrane exocytosis protein 1-like isoform X1
 XP_004769385.1 regulating synaptic membrane exocytosis protein 1-like isoform X17
 XP_005457100.1 regulating synaptic membrane exocytosis protein 1-like isoform X2
 XP_005935354.1 regulating synaptic membrane exocytosis protein 1-like isoform X3
 XP_006000463.1 regulating synaptic membrane exocytosis protein 2 isoform X1
 XP_005159631.1 regulating synaptic membrane exocytosis protein 2 isoform X13
 XP_005170802.1 regulating synaptic membrane exocytosis protein 2 isoform X2
 XP_005306070.1 regulating synaptic membrane exocytosis protein 2 isoform X20
 XP_005159623.1 regulating synaptic membrane exocytosis protein 2 isoform X5
 XP_005159624.1 regulating synaptic membrane exocytosis protein 2 isoform X6
 XP_006036649.1 regulating synaptic membrane exocytosis protein 2-like
 XP_006638684.1 regulating synaptic membrane exocytosis protein 2-like isoform X1
 XP_004541668.1 regulating synaptic membrane exocytosis protein 2-like isoform X2
 XP_005924318.1 regulating synaptic membrane exocytosis protein 2-like isoform X5
 XP_005173588.1 regulating synaptic membrane exocytosis protein 2-like, partial
 NP_001093479.1 regulating synaptic membrane exocytosis protein 3
 XP_005170109.1 regulating synaptic membrane exocytosis protein 3 isoform X1
 XP_005607221.1 regulating synaptic membrane exocytosis protein 3 isoform X3
 XP_004069040.1 regulating synaptic membrane exocytosis protein 4-like
 XP_005166329.1 regulating synaptic membrane exocytosis protein 4-like isoform X1
 XP_699547.4 regulating synaptic membrane exocytosis protein 4-like isoform X2
 XP_689055.3 regulation of nuclear pre-mRNA domain-containing protein 1A-like isoform X2
 NP_955850.1 regulation of nuclear pre-mRNA domain-containing protein 1B
 XP_684333.5 regulation of nuclear pre-mRNA domain-containing protein 2 isoform X1
 XP_004012097.1 regulator of cell cycle RGCC
 NP_998343.1 regulator of chromosome condensation
 XP_006267931.1 regulator of G-protein signaling 11
 XP_005170921.1 regulator of G-protein signaling 11 isoform X1
 XP_699097.4 regulator of G-protein signaling 12 isoform X2
 NP_958461.1 regulator of G-protein signaling 14a
 XP_001343150.3 regulator of G-protein signaling 14-like
 NP_001017846.1 regulator of G-protein signaling 16
 XP_006784045.1 regulator of G-protein signaling 17-like
 XP_005163294.1 regulator of G-protein signaling 18 isoform X1
 NP_001187721.1 regulator of G-protein signaling 20
 XP_005163483.1 regulator of G-protein signaling 20 isoform X1
 XP_005802486.1 regulator of G-protein signaling 21-like
 XP_006195084.1 regulator of G-protein signaling 3 isoform X5
 XP_702996.4 regulator of G-protein signaling 3, partial
 XP_005168736.1 regulator of G-protein signaling 3-like
 XP_005994411.1 regulator of G-protein signaling 3-like isoform X1
 XP_005459549.1 regulator of G-protein signaling 3-like isoform X4
 ADO27836.1 regulator of G-protein signaling 4
 ADO27761.1 regulator of G-protein signaling 5
 XP_003974469.1 regulator of G-protein signaling 5-like
 XP_690503.3 regulator of G-protein signaling 5-like isoform X2
 NP_001030340.1 regulator of G-protein signaling 6
 XP_006170550.1 regulator of G-protein signaling 6 isoform X1
 XP_004550576.1 regulator of G-protein signaling 6-like
 XP_006632496.1 regulator of G-protein signaling 6-like isoform X1
 XP_007182676.1 regulator of G-protein signaling 7
 XP_005161211.1 regulator of G-protein signaling 7-binding protein B isoform X1
 XP_005808877.1 regulator of G-protein signaling 7-like
 XP_006102849.1 regulator of G-protein signaling 7-like, partial
 NP_001002531.1 regulator of G-protein signaling 8
 BAF63414.1 Regulator of G-protein signaling 9
 NP_001070045.1 regulator of G-protein signaling 9a
 XP_691153.3 regulator of G-protein signaling 9-binding protein B
 NP_001082981.1 regulator of G-protein signalling 1
 AA163722.1 Regulator of G-protein signalling 12
 XP_005168464.1 regulator of G-protein signalling 3 isoform X1
 XP_004568538.1 regulator of microtubule dynamics protein 1-like isoform X4
 XP_005169587.1 regulator of microtubule dynamics protein 2-like
 NP_001076519.1 regulator of microtubule dynamics protein 3
 NP_998639.1 regulator of nonsense transcripts 1
 XP_005163697.1 regulator of nonsense transcripts 1 isoform X1
 XP_006633411.1 regulator of nonsense transcripts 2-like
 XP_005811241.1 regulator of nonsense transcripts 2-like isoform X1
 XP_005045964.1 regulator of nonsense transcripts 3B

XP_006633078.1 regulator of nonsense transcripts 3B-like
 NP_001013328.2 regulator of telomere elongation helicase 1
 XP_005155803.1 regulator of telomere elongation helicase 1 isoform X1
 XP_005172788.1 regulatory factor X-associated protein-like isoform X2
 XP_004454675.1 regulatory-associated protein of mTOR
 XP_005157410.1 regulatory-associated protein of mTOR isoform X2
 XP_005157412.1 regulatory-associated protein of mTOR isoform X4
 XP_004946333.1 regulatory-associated protein of mTOR isoform X8
 XP_001919288.2 regulatory-associated protein of mTOR isoformX1
 XP_006635525.1 regulatory-associated protein of mTOR-like
 CBQ72283.1 related to transposase
 CCA75761.1 related to transposase-Wolbachia endosymbiont of *Drosophila ananassae*, partial
 NP_001032892.1 relaxin 3a precursor
 NP_001108535.1 relaxin 3b precursor
 XP_001919542.3 relaxin receptor 1
 XP_004086569.1 relaxin receptor 1-like
 XP_004076336.1 relaxin receptor 2-like
 XP_003979236.1 relaxin receptor 2-like, partial
 NP_001122260.1 relaxin/insulin-like family peptide receptor 3
 NP_001077348.1 relaxin/insulin-like family peptide receptor 3.2b
 ACO09337.1 Relaxin-3 precursor
 EMP24244.1 Relaxin-3 receptor 1
 XP_005169010.1 relaxin-3 receptor 1-like
 XP_005166088.1 REM2 and RAB-like small GTPase 1 isoform X1
 NP_001268248.1 Rem2A
 NP_001268249.1 Rem2B
 XP_005811852.1 remodeling and spacing factor 1-like
 XP_005916107.1 remodeling and spacing factor 1-like isoform X2
 EMP24624.1 Renalase, partial
 AAO41706.1 renin precursor
 XP_005805737.1 renin-like
 BAB8384.1 ReO_6
 NP_001082960.2 replication factor C subunit 1
 XP_003972215.1 replication factor C subunit 1-like
 NP_001013344.2 replication factor C subunit 2
 ADO28121.1 replication factor c subunit 3
 XP_006138539.1 replication factor C subunit 4
 XP_003222833.1 replication factor C subunit 5
 NP_001187970.1 replication protein a 14 kDa subunit
 ACO09655.1 Replication protein A 32 kDa subunit
 XP_005736177.1 replication protein A 32 kDa subunit-like isoform X2
 NP_956105.2 replication protein A 70 kDa DNA-binding subunit
 XP_006640981.1 replication protein A 70 kDa DNA-binding subunit-like isoform X2
 ABY82099.1 replication protein A2, 32kDa (predicted)
 XP_005798624.1 repressor of RNA polymerase III transcription MAF1 homolog
 NP_001092241.1 reprimo-like protein
 XP_006625909.1 required for meiotic nuclear division protein 1 homolog
 NP_001002190.1 response gene to complement 32 protein
 NP_001073510.1 REST corepressor 1
 EDL97484.1 REST corepressor 1 (predicted), isoform CRA_b
 XP_005161914.1 REST corepressor 3 isoform X1
 XP_005161915.1 REST corepressor 3 isoform X2
 WP_022518313.1 restriction modification system DNA specificity domain protein
 XP_004638109.1 reticulocalbin-1
 XP_002665153.3 reticulocyte-binding protein 2 homolog a-like
 XP_005157528.1 reticulon 2a isoform X1
 NP_001025130.1 reticulon 2b
 AAH76103.1 Reticulon 4 receptor
 NP_982347.1 reticulon 4 receptor-like 1b precursor
 NP_001025138.2 reticulon-1 isoform 1
 XP_005156835.1 reticulon-1 isoform X1
 XP_006873594.1 reticulon-4 isoform X4
 XP_005739079.1 reticulon-4-interacting protein 1 homolog, mitochondrial-like
 XP_004077024.1 reticulon-4-like isoform 2
 XP_005473835.1 reticulon-4-like isoform X5
 NP_001036218.1 retina specific protein PAL precursor
 XP_005741693.1 retinal dehydrogenase 2-like isoform X2
 NP_001019607.1 retinal G protein coupled receptor b
 NP_001103165.1 retinal guanylyl cyclase 2
 XP_006013175.1 retinal guanylyl cyclase 2-like
 XP_002661267.2 retinal homeobox protein Rx1
 NP_571301.1 retinal homeobox protein Rx2
 XP_005237560.1 retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma
 XP_005801519.1 retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma-like
 NP_956999.1 retinaldehyde binding protein 1a
 XP_005807505.1 retinaldehyde-binding protein 1-like
 XP_005163385.1 retinal-specific ATP-binding cassette transporter isoform X1
 XP_683123.5 retinal-specific ATP-binding cassette transporter isoform X2
 XP_006792484.1 retinal-specific ATP-binding cassette transporter-like

XP_005476689.1	retinal-specific ATP-binding cassette transporter-like isoform X1
XP_002665618.1	retinitis pigmentosa 9 protein homolog isoform 1
AAH63984.1	Retinoblastoma binding protein 4
EDL30203.1	retinoblastoma binding protein 4, isoform CRA_b
NP_001071248.1	retinoblastoma-associated protein
XP_006009885.1	retinoblastoma-associated protein-like
XP_003767660.1	retinoblastoma-binding protein 5 isoform 1
XP_005168326.1	retinoblastoma-binding protein 5 isoform X2
NP_001124082.1	retinoblastoma-like protein 1
XP_002667000.3	retinoblastoma-like protein 2 isoform X1
XP_006641540.1	retinoblastoma-like protein 2-like
NP_001104687.2	retinoic acid induced 14-like
AEE80960.1	retinoic acid or thyroid hormone receptor corepressor
NP_571481.2	retinoic acid receptor alpha-A
XP_005448244.1	retinoic acid receptor alpha-A-like isoform X11
XP_005811623.1	retinoic acid receptor alpha-like
XP_004561068.1	retinoic acid receptor alpha-like isoform X3
XP_004074348.1	retinoic acid receptor beta
XP_005937549.1	retinoic acid receptor beta-like isoform X1
AEU04705.1	retinoic acid receptor gamma
XP_006046695.1	retinoic acid receptor gamma isoform X1
NP_571414.1	retinoic acid receptor gamma-A
NP_001076779.1	retinoic acid receptor gamma-B
NP_001083321.1	retinoic acid receptor responder (tazarotene induced) 3
XP_003229593.1	retinoic acid receptor responder protein 3-like
XP_005897506.1	retinoic acid receptor RXR-alpha
XP_005161240.1	retinoic acid receptor RXR-alpha-A isoform X1
XP_005948128.1	retinoic acid receptor RXR-alpha-A-like
XP_005808231.1	retinoic acid receptor RXR-beta-A-like
XP_006634677.1	retinoic acid receptor RXR-gamma-B-like isoform X1
XP_005171718.1	retinoic acid-induced protein 1-like
XP_005174218.1	retinoic acid-induced protein 2-like
NP_001265735.1	retinoic acid-inducible protein 1
NP_957045.1	retinoid isomerohydrolase
AAC59720.1	retinoid X receptor alpha
AGS58254.1	retinoid X receptor alpha b, partial
AGS58253.1	retinoid X receptor beta b
CAD54660.1	retinoid x receptor, beta
NP_001074052.1	retinol dehydrogenase 10-A
XP_005163479.1	retinol dehydrogenase 10-B isoform X1
XP_006626755.1	retinol dehydrogenase 11-like
XP_003445520.1	retinol dehydrogenase 12-like isoform X1
NP_001038920.1	retinol dehydrogenase 13
NP_001006031.1	retinol dehydrogenase 14a (all-trans/9-cis/11-cis)
XP_003971836.1	retinol dehydrogenase 14-like
ACO09180.1	Retinol dehydrogenase 3
XP_003760518.1	retinol dehydrogenase 8 isoform 2
XP_684476.1	retinol dehydrogenase 8-like isoform X2
NP_001187955.1	retinol-binding protein 2
ETE62910.1	Retinoschisin, partial
NP_001002608.1	retrograde Golgi transport protein RGP1 homolog
CCO37683.1	Retrotransposable element Tf2 155 kDa protein type 1
ACN60195.1	Retrotransposable element Tf2 155 kDa protein type 3
XP_571377.1	retrotransposon nucleocapsid protein
ABA95223.1	retrotransposon protein, putative, Ty3-gypsy subclass
AAX92958.1	retrotransposon protein, putative, Ty3-gypsy sub-class
XP_007022687.1	Retrotransposon protein, Ty3-gypsy sub-class, putative
ETE58569.1	Retrotransposon-derived protein PEG10, partial
XP_005159999.1	retrotransposon-derived protein PEG10-like
XP_005168500.1	retrotransposon-derived protein PEG10-like, partial
XP_005310225.1	retrotransposon-like protein 1-like
CBN80961.1	Retrovirus polyprotein
XP_002786362.1	retrovirus polyprotein, putative
EFN74747.1	Retrovirus-related Pol polyprotein from transposon 412
AAK76396.1	Rev-Erb beta 2
BAD72127.1	reverse transcriptase
XP_003369638.1	reverse transcriptase family protein
AGO18322.1	reverse transcriptase, partial
XP_002431995.1	reverse transcriptase, putative
CAA10770.1	reverse transcriptase-like
AAN15747.1	reverse transcriptase-like protein
BAA92425.1	reverse transcriptase-RNase H
BAA78625.1	reverse transcriptase-RNase H-integrase
XP_006634401.1	reversion-inducing cysteine-rich protein with Kazal motifs-like
Q5RJA1.2	RFX6_DANRE RecName: Full=DNA-binding protein RFX6; AltName: Full=Regulatory factor X 6
XP_005170492.1	RGM domain family isoform X1
NP_001001727.1	RGM domain family member B precursor

B0UXH6.1 RGPS1_DANRE RecName: Full=Ras-specific guanine nucleotide-releasing factor RalGPS1; AltName: Full=Ral GEF with PH domain and SH3-binding motif 1; AltName: Full=RalA exchange factor RalGPS1
 AAR24264.1 RGS12TS
 NP_001019990.1 Rh blood group, D antigen
 NP_001119916.1 Rh50-like protein isoform 2
 XP_700258.5 rhabdoid tumor deletion region protein 1
 AHJ14695.1 rhamnose binding lectin type Ib
 AHJ14696.1 rhamnose binding lectin type Ic
 XP_005465430.1 rhamnose-binding lectin-like
 Q18PF5.1 RHCG1_TAKRU RecName: Full=Ammonium transporter Rh type C 1; AltName: Full=FRhcg1; AltName: Full=Rhesus blood group family type C glycoprotein 1; Short=RHCG-1; Short=Rh family type C glycoprotein 1; Short=Rh type C glycoprotein 1
 XP_005163035.1 Rhesus blood group, C glycoprotein b isoform X1
 AGN71674.1 rhesus blood group-associated glycoprotein A-like protein
 AHJ59464.1 Rhesus blood group-associated glycoprotein C
 Q6ZM89.2 RHG42_DANRE RecName: Full=Rho GTPase-activating protein 42; AltName: Full=Rho GTPase-activating protein 10-like; AltName: Full=Rho-type GTPase-activating protein 42
 NP_001037861.1 Rho family GTPase 1 like
 AAH63968.1 Rho GDP dissociation inhibitor (GDI) alpha
 NP_001187919.1 rho gdp-dissociation inhibitor 2
 NP_956738.1 Rho GTPase activating protein 4
 XP_005162212.1 Rho GTPase activating protein 4 isoform X1
 NP_001017781.1 rho GTPase-activating protein 1
 XP_005469915.1 rho GTPase-activating protein 10 isoform X1
 XP_004066045.1 rho GTPase-activating protein 10-like
 XP_005810782.1 rho GTPase-activating protein 10-like, partial
 NP_998481.2 rho GTPase-activating protein 11A isoform 2
 XP_005173627.1 rho GTPase-activating protein 11A isoform X1
 XP_005156334.1 rho GTPase-activating protein 12 isoform X3
 XP_005156336.1 rho GTPase-activating protein 12 isoform X5
 XP_006634175.1 rho GTPase-activating protein 12-like
 XP_003447529.1 rho GTPase-activating protein 12-like isoform X1
 XP_005918548.1 rho GTPase-activating protein 12-like isoform X5
 XP_003450293.1 rho GTPase-activating protein 12-like isoformX1
 NP_001122027.1 rho GTPase-activating protein 15
 XP_005172184.1 rho GTPase-activating protein 15-like isoform X2
 XP_005163951.1 rho GTPase-activating protein 17-like isoform X2
 XP_001343601.5 rho GTPase-activating protein 18-like
 XP_003201186.1 rho GTPase-activating protein 19-like
 XP_003198671.2 rho GTPase-activating protein 20 isoform X1
 XP_006009391.1 rho GTPase-activating protein 20-like
 XP_001918968.3 rho GTPase-activating protein 21 isoform X1
 XP_005163349.1 rho GTPase-activating protein 21 isoform X2
 XP_005163350.1 rho GTPase-activating protein 21 isoform X3
 XP_005162611.1 rho GTPase-activating protein 21-like
 XP_005162595.1 rho GTPase-activating protein 21-like isoform X4
 XP_005157009.1 rho GTPase-activating protein 22 isoform X1
 XP_683216.5 rho GTPase-activating protein 22-like
 XP_005796806.1 rho GTPase-activating protein 23-like
 XP_005164231.1 rho GTPase-activating protein 23-like isoform X2
 XP_005164233.1 rho GTPase-activating protein 23-like isoform X4
 XP_005468957.1 rho GTPase-activating protein 23-like isoform X6
 XP_001339010.2 rho GTPase-activating protein 24 isoform X1
 XP_004941165.1 rho GTPase-activating protein 24 isoform X3
 XP_005456310.1 rho GTPase-activating protein 24 isoform X5
 XP_004074777.1 rho GTPase-activating protein 24-like
 XP_698540.4 rho GTPase-activating protein 24-like isoform X4
 XP_005165227.1 rho GTPase-activating protein 25 isoform X2
 XP_005165228.1 rho GTPase-activating protein 25 isoform X3
 XP_005683397.1 rho GTPase-activating protein 26
 XP_005805525.1 rho GTPase-activating protein 26-like
 XP_006785028.1 rho GTPase-activating protein 26-like isoform X1
 XP_002663949.3 rho GTPase-activating protein 27 isoform X1
 XP_005156085.1 rho GTPase-activating protein 27 isoform X4
 XP_005171659.1 rho GTPase-activating protein 27-like isoform X1
 XP_005171660.1 rho GTPase-activating protein 27-like isoform X2
 NP_001007436.1 rho GTPase-activating protein 28
 XP_006634028.1 rho GTPase-activating protein 28-like
 NP_956405.1 rho GTPase-activating protein 29
 XP_693227.4 rho GTPase-activating protein 29 isoform X2
 XP_005163371.1 rho GTPase-activating protein 29 isoform X3
 XP_006635032.1 rho GTPase-activating protein 29-like
 XP_001920567.4 rho GTPase-activating protein 30
 XP_005165688.1 rho GTPase-activating protein 31-like
 XP_690921.4 rho GTPase-activating protein 32
 XP_005161318.1 rho GTPase-activating protein 32 isoform X1
 XP_006641696.1 rho GTPase-activating protein 32-like
 XP_005158459.1 rho GTPase-activating protein 33-like isoform X1

XP_005158460.1	rho GTPase-activating protein 33-like isoform X2
XP_698214.4	rho GTPase-activating protein 33-like isoform X6
XP_003198691.2	rho GTPase-activating protein 35
XP_006627687.1	rho GTPase-activating protein 35-like
XP_005162072.1	rho GTPase-activating protein 39 isoform X1
XP_003973851.1	rho GTPase-activating protein 39-like
XP_005173884.1	rho GTPase-activating protein 39-like, partial
XP_005159291.1	rho GTPase-activating protein 42 isoform X1
XP_006627848.1	rho GTPase-activating protein 42-like
XP_005735994.1	rho GTPase-activating protein 42-like isoform X1
XP_695681.6	rho GTPase-activating protein 44 isoform X2
XP_004559549.1	rho GTPase-activating protein 44-like isoform X8
XP_001336016.1	rho GTPase-activating protein 5
XP_004066753.1	rho GTPase-activating protein 6-like
XP_005946922.1	rho GTPase-activating protein 6-like isoform X1
XP_005161485.1	rho GTPase-activating protein 7 isoform X1
XP_694618.4	rho GTPase-activating protein 7 isoform X2
XP_001921774.3	rho GTPase-activating protein 7-like isoform X1
XP_005159917.1	rho GTPase-activating protein 7-like isoform X2
XP_003448838.1	rho GTPase-activating protein 8-like
XP_696571.6	rho GTPase-activating protein SYDE2-like
ABG46347.1	Rho guanine exchange factor betaPix B
AAI63565.1	Rho guanine nucleotide exchange factor (GEF) 11
XP_005159428.1	Rho guanine nucleotide exchange factor (GEF) 1a isoform X1
XP_005159429.1	Rho guanine nucleotide exchange factor (GEF) 1a isoform X2
XP_005159430.1	Rho guanine nucleotide exchange factor (GEF) 1a isoform X3
NP_001018563.1	Rho guanine nucleotide exchange factor (GEF) 3, like
XP_005162130.1	Rho guanine nucleotide exchange factor (GEF) 3, like isoform X1
XP_005164681.1	Rho guanine nucleotide exchange factor (GEF) 39 isoform X1
NP_001085995.1	Rho guanine nucleotide exchange factor (GEF) 7
NP_001008624.1	Rho guanine nucleotide exchange factor (GEF) 7b
XP_002665240.3	rho guanine nucleotide exchange factor 10 isoform X1
XP_005158599.1	rho guanine nucleotide exchange factor 10 isoform X3
XP_005158600.1	rho guanine nucleotide exchange factor 10 isoform X4
XP_006025593.1	rho guanine nucleotide exchange factor 10 isoform X5
XP_006800742.1	rho guanine nucleotide exchange factor 10-like
XP_005922444.1	rho guanine nucleotide exchange factor 10-like isoform X1
CBN80691.1	Rho guanine nucleotide exchange factor 10-like protein
XP_696040.5	rho guanine nucleotide exchange factor 10-like protein-like
NP_001027010.1	rho guanine nucleotide exchange factor 11
XP_004084326.1	rho guanine nucleotide exchange factor 11-like
XP_005172067.1	rho guanine nucleotide exchange factor 12 isoform X3
XP_005172068.1	rho guanine nucleotide exchange factor 12 isoform X4
XP_003200092.2	rho guanine nucleotide exchange factor 12-like
XP_004543799.1	rho guanine nucleotide exchange factor 12-like isoform X4
XP_683105.3	rho guanine nucleotide exchange factor 15
XP_005945319.1	rho guanine nucleotide exchange factor 15-like
XP_005167339.1	rho guanine nucleotide exchange factor 16 isoform X2
XP_003200462.1	rho guanine nucleotide exchange factor 17
XP_005174065.1	rho guanine nucleotide exchange factor 18 isoform X1
XP_690750.6	rho guanine nucleotide exchange factor 18 isoform X2
XP_005730822.1	rho guanine nucleotide exchange factor 19-like
XP_003976935.1	rho guanine nucleotide exchange factor 1-like
EMP42114.1	Rho guanine nucleotide exchange factor 25
XP_005162334.1	rho guanine nucleotide exchange factor 25-like isoform X2
XP_006637567.1	rho guanine nucleotide exchange factor 26-like
XP_004543609.1	rho guanine nucleotide exchange factor 26-like isoform X1
XP_688428.4	rho guanine nucleotide exchange factor 28
XP_005157828.1	rho guanine nucleotide exchange factor 28-like
XP_005720241.1	rho guanine nucleotide exchange factor 28-like isoform X5
XP_005161925.1	rho guanine nucleotide exchange factor 3 isoform X2
XP_006130977.1	rho guanine nucleotide exchange factor 3 isoform X5
XP_687624.2	rho guanine nucleotide exchange factor 33-like
XP_005173214.1	rho guanine nucleotide exchange factor 37-like isoform X1
XP_006633629.1	rho guanine nucleotide exchange factor 39-like
XP_006631049.1	rho guanine nucleotide exchange factor 3-like
NP_001167091.1	Rho guanine nucleotide exchange factor 4
XP_687404.3	rho guanine nucleotide exchange factor 4 isoform 2
XP_686873.2	rho guanine nucleotide exchange factor 5
XP_006632946.1	rho guanine nucleotide exchange factor 6-like
XP_005173279.1	rho guanine nucleotide exchange factor 6-like isoform X1
NP_001116707.1	rho guanine nucleotide exchange factor 7
XP_004746074.1	rho guanine nucleotide exchange factor 7 isoform X2
XP_003452965.1	rho guanine nucleotide exchange factor 7-like isoform X2
XP_003445859.1	rho guanine nucleotide exchange factor 9 isoform X1
XP_001923441.1	rho guanine nucleotide exchange factor 9-like isoform X1
XP_005171340.1	rho/rac guanine nucleotide exchange factor (GEF) 18a isoform X1
XP_006634015.1	rho-associated protein kinase 1-like
NP_777288.1	rho-associated protein kinase 2

XP_005995983.1	rho-associated protein kinase 2 isoform X5
XP_003458292.1	rho-associated protein kinase 2-like
XP_005921653.1	rho-associated protein kinase 2-like isoform X2
XP_005921654.1	rho-associated protein kinase 2-like isoform X3
NP_001243563.1	Rho-associated, coiled-coil containing protein kinase 1
XP_005160681.1	rho-associated, coiled-coil containing protein kinase 2b isoform X1
NP_001029353.2	rhodopsin kinase
XP_003969944.1	rhodopsin kinase-like
ADD80744.1	rho-kinase 2
NP_001254516.1	rhomboid, veinlet-like 1
NP_957498.1	rhomboid-related protein 2
XP_005583454.1	rhomboid-related protein 3 isoform X3
XP_003972030.1	rhomboid-related protein 3-like
XP_005309668.1	rhombotin-1 isoform X1
XP_006641318.1	rophilin-2-like
XP_003199615.1	rho-related BTB domain-containing protein 1
XP_001332198.5	rho-related BTB domain-containing protein 2
XP_005165371.1	rho-related BTB domain-containing protein 2 isoform X3
XP_006625364.1	rho-related BTB domain-containing protein 2-like isoform X2
XP_691270.6	rho-related BTB domain-containing protein 3
XP_004070739.1	rho-related GTP-binding protein Rho6-like
XP_006626417.1	rho-related GTP-binding protein RhoB-like
NP_001187623.1	rho-related gtp-binding protein rhoC
XP_003963339.1	rho-related GTP-binding protein RhoC-like
ADO28325.1	rho-related gtp-binding protein rhoe
XP_003440901.1	rho-related GTP-binding protein RhoE-like isoform 2
NP_001187734.1	rho-related GTP-binding protein RhoF
NP_956334.1	rho-related GTP-binding protein RhoG
XP_005148299.1	rho-related GTP-binding protein RhoG-like
XP_005171000.1	rho-related GTP-binding protein RhoH
NP_001038266.1	rho-related GTP-binding protein RhoJ
XP_002827536.2	rho-related GTP-binding protein RhoN
XP_007177901.1	rho-related GTP-binding protein RhoN-like
XP_006272237.1	rho-related GTP-binding protein RhoQ
NP_001007444.1	rho-related GTP-binding protein RhoU
XP_006638468.1	rho-related GTP-binding protein RhoU-like
XP_005458714.1	rho-related GTP-binding protein RhoU-like isoform X3
NP_001012250.1	rho-related GTP-binding protein RhoV
NP_001119887.1	rhotein
XP_005165397.1	rhotein isoform X2
NP_001074132.1	RIB43A-like with coiled-coils protein 1
NP_001187915.1	rib43a-like with coiled-coils protein 2
XP_689407.3	riboflavin kinase
XP_005170059.1	riboflavin transporter 1 isoform X1
XP_683290.3	riboflavin transporter 2-like
XP_005799219.1	ribokinase-like
CBN82191.1	Ribonuclease 3
XP_005887926.1	ribonuclease 3 isoform X3
XP_005386206.1	ribonuclease 3 isoform X4
XP_004738141.1	ribonuclease 3 isoform X6
XP_006799316.1	ribonuclease 3-like
XP_005803691.1	ribonuclease 3-like, partial
NP_001002659.2	ribonuclease H1 isoform 1
NP_956520.2	ribonuclease H2 subunit A
NP_001187596.1	ribonuclease h2 subunit b
NP_001188002.1	ribonuclease h2 subunit c
XP_006806644.1	ribonuclease inhibitor-like
ADO28017.1	ribonuclease kappa-a
NP_001038840.1	ribonuclease kappa-B
NP_001093575.1	ribonuclease like 2 precursor
NP_001003530.1	ribonuclease P protein subunit p21
XP_005447694.1	ribonuclease P protein subunit p25-like
NP_001002540.1	ribonuclease P protein subunit p25-like protein
NP_001018585.1	ribonuclease P protein subunit p29
NP_001013497.1	ribonuclease P protein subunit p30
XP_006643248.1	ribonuclease P protein subunit p30-like
NP_001002525.2	ribonuclease P protein subunit p38
ADO27877.1	ribonuclease p protein subunit p40
ADO28109.1	ribonuclease p/mrp protein subunit pop5
NP_001187571.1	ribonuclease uk114
NP_001164500.1	ribonuclease ZC3H12A
XP_001338688.5	ribonuclease ZC3H12A-like
XP_004071653.1	ribonucleoprotein PTB-binding 1-like
XP_005939970.1	ribonucleoprotein PTB-binding 1-like isoform X2
XP_001338083.4	ribonucleoprotein PTB-binding 2
XP_005945179.1	ribonucleoprotein PTB-binding 2-like
AGV20602.1	ribonucleoside diphosphate reductase alpha subunit ribonucleoside reductase barrel domain
NP_571530.2	ribonucleoside-diphosphate reductase large subunit

XP_005917582.1	ribonucleoside-diphosphate reductase subunit M2 B-like
AFO54476.1	ribonucleotide reductase large subunit R1i
AFO54477.1	ribonucleotide reductase large subunit R1ii
AFO54478.1	ribonucleotide reductase small subunit R2i
ACO08871.1	Ribose-5-phosphate isomerase
XP_004554838.1	ribose-5-phosphate isomerase-like isoform X1
EMP31977.1	Ribose-phosphate pyrophosphokinase 1
XP_004541031.1	ribose-phosphate pyrophosphokinase 1-like isoform X1
XP_006763875.1	ribose-phosphate pyrophosphokinase 2
XP_005593023.1	ribose-phosphate pyrophosphokinase 2 isoform X1
XP_005795414.1	ribose-phosphate pyrophosphokinase 2-like isoform X2
XP_003963866.1	ribosomal protein 63, mitochondrial-like
NP_001187041.1	ribosomal protein L12
NP_001187043.1	ribosomal protein L14
NP_001266046.1	ribosomal protein L17 mitochondrial-like protein
NP_001187047.1	ribosomal protein L21
NP_001187053.1	ribosomal protein L28
NP_001187034.1	ribosomal protein L4
NP_001187210.1	ribosomal protein L5b
AAK95130.1	ribosomal protein L6
AAK95131.1	ribosomal protein L7
NP_001187032.1	ribosomal protein P2
ETN74032.1	ribosomal protein S3
AFM88988.1	ribosomal protein S3a
XP_005812832.1	ribosomal protein S6 kinase 2 alpha-like
XP_006631517.1	ribosomal protein S6 kinase 2 alpha-like isoform X2
NP_001071243.1	ribosomal protein S6 kinase a, polypeptide 1
XP_699952.2	ribosomal protein S6 kinase alpha-2
XP_006638750.1	ribosomal protein S6 kinase alpha-2-like
XP_006780041.1	ribosomal protein S6 kinase alpha-2-like isoform X1
XP_003456303.2	ribosomal protein S6 kinase alpha-3 isoform X1
XP_003416068.1	ribosomal protein S6 kinase alpha-3-like
NP_001119875.1	ribosomal protein S6 kinase alpha-4
XP_005165672.1	ribosomal protein S6 kinase alpha-4 isoform X1
NP_956367.1	ribosomal protein S6 kinase alpha-6
XP_006632933.1	ribosomal protein S6 kinase alpha-6-like
XP_005157473.1	ribosomal protein S6 kinase beta-1 isoform X1
XP_003968335.1	ribosomal protein S6 kinase beta-1-like
XP_004065706.1	ribosomal protein S6 kinase beta-2-like
XP_004538758.1	ribosomal protein S6 kinase beta-2-like isoform X1
XP_006268181.1	ribosomal protein S6 kinase delta-1
XP_006010518.1	ribosomal protein S6 kinase delta-1-like
XP_003449955.2	ribosomal protein S6 kinase delta-1-like isoform X1
XP_005159002.1	ribosomal protein S6 kinase-like 1-like
ACO14373.1	ribosomal RNA methyltransferase 2
XP_005933690.1	ribosomal RNA processing protein 1 homolog A-like
XP_005450413.1	ribosomal RNA processing protein 1 homolog B-like
ADO27838.1	ribosomal RNA-processing protein 7-like protein A
XP_001334686.1	ribosomal RNA-processing protein 8
NP_001082954.1	ribosome binding factor A
AAQ97841.1	ribosome binding protein 1 homolog 180kDa
NP_001104620.2	ribosome biogenesis protein BMS1 homolog
NP_001071203.1	ribosome biogenesis protein bop1
XP_004651445.1	ribosome biogenesis protein NSA2 homolog
EHB04779.1	Ribosome biogenesis protein NSA2-like protein
XP_005056442.1	ribosome maturation protein SBDS
XP_005745107.1	ribosome maturation protein SBDS-like
NP_001188154.1	ribosome production factor 1
ACI69322.1	Ribosome recycling factor, mitochondrial precursor
XP_005174098.1	ribosome-binding protein 1 isoform X3
XP_005992991.1	ribosome-binding protein 1 isoform X6
NP_001002174.1	ribosome-recycling factor, mitochondrial
NP_001187613.1	ribulose-phosphate 3-epimerase
NP_001017740.1	Rieske (Fe-S) domain containing
XP_688339.2	Rieske domain-containing protein-like
NP_001187626.1	riia domain-containing protein c1orf230
XP_001342072.1	RIKEN cDNA 9130211I03-like isoform 1
NP_001133493.1	RILP-like protein 1
XP_001344183.4	RILP-like protein 1-like
XP_005946359.1	RILP-like protein 1-like isoform X2
ACO13826.1	RILP-like protein 2
XP_005167315.1	RIMS-binding protein 2 isoform X1
XP_005167316.1	RIMS-binding protein 2 isoform X2
XP_691626.6	RIMS-binding protein 2 isoform X4
XP_005987245.1	RIMS-binding protein 2-like isoform X1
XP_005161285.1	RIMS-binding protein 2-like isoform X2
XP_005161281.1	RIMS-binding protein 2-like isoform X3
XP_005161284.1	RIMS-binding protein 2-like isoform X6
XP_688313.4	RING finger and CCCH-type zinc finger domain-containing protein 2 isoform X2

ADO28027.1 ring finger and chy zinc finger domain-containing protein 1
 EPQ12269.1 RING finger and SPRY domain-containing protein 1
 NP_001038537.2 RING finger and SPRY domain-containing protein 1 precursor
 XP_006640910.1 RING finger and transmembrane domain-containing protein 1-like
 XP_004561703.1 RING finger and transmembrane domain-containing protein 1-like isoform X1
 XP_005165099.1 RING finger and transmembrane domain-containing protein 2 isoform X1
 AGL08232.1 RING finger E3 ubiquitin-protein ligase transcript variant 2
 AGL08234.1 RING finger E3 ubiquitin-protein ligase transcript variant 4
 NP_001116727.1 RING finger protein 10
 NP_001004600.1 RING finger protein 103
 XP_005473074.1 RING finger protein 10-like isoform X3
 XP_005398834.1 RING finger protein 11
 NP_001004536.1 RING finger protein 113A
 XP_004618859.1 RING finger protein 114
 XP_003963381.1 RING finger protein 114-like
 NP_001073542.1 RING finger protein 115
 XP_003439848.1 RING finger protein 11-like
 XP_004563927.1 RING finger protein 121-like
 XP_001344370.3 RING finger protein 122-like
 NP_001076486.1 RING finger protein 126
 XP_004542571.1 RING finger protein 126-like
 EMC81660.1 RING finger protein 13
 NP_001167101.1 RING finger protein 139
 XP_005161507.1 ring finger protein 14 isoform X1
 ADO27737.1 ring finger protein 141
 XP_005157379.1 RING finger protein 145-like
 XP_001342512.2 RING finger protein 145-like isoform X1
 NP_001017554.1 RING finger protein 150 precursor
 XP_006629569.1 RING finger protein 150-like
 XP_001343919.2 RING finger protein 151-like
 XP_005156404.1 RING finger protein 157 isoform X1
 XP_005166735.1 RING finger protein 165 isoform X2
 XP_005166736.1 RING finger protein 165 isoform X3
 XP_005161046.1 RING finger protein 165-like isoform X2
 XP_006125860.1 RING finger protein 166 isoform X1
 XP_697454.3 RING finger protein 17 isoform X2
 AAH54692.1 Ring finger protein 180
 NP_001134680.1 RING finger protein 181
 ACO09130.1 RING finger protein 185
 XP_003447771.2 RING finger protein 207 isoform X1
 XP_006642111.1 RING finger protein 207-like
 XP_005165127.1 RING finger protein 215-like
 XP_001343289.2 RING finger protein 219-like
 NP_001070038.1 ring finger protein 220a
 EPY86745.1 RING finger protein 222
 XP_005163841.1 RING finger protein 222-like
 XP_005166189.1 RING finger protein 223-like
 XP_001333631.1 RING finger protein 224 isoform 1
 XP_005160122.1 RING finger protein 24 isoform X2
 XP_005157651.1 RING finger protein 26
 XP_001335441.4 RING finger protein 37 isoform X1
 XP_001380922.2 RING finger protein 44
 XP_002660905.3 RING finger protein C14orf164 homolog
 EPQ07969.1 RING finger protein unkempt
 NP_956530.1 RING finger protein unkempt homolog
 XP_005156449.1 RING finger protein unkempt homolog isoform X1
 XP_693777.6 RING finger protein unkempt homolog isoform X3
 AAC03770.1 RING zinc finger protein
 NP_958474.1 RING1 and YY1-binding protein A
 CBN80972.1 RING1 and YY1-binding protein B, partial
 NP_956291.1 RISC-loading complex subunit tarbp2
 XP_003973536.1 RISC-loading complex subunit tarbp2-like
 A1L2E4.2 RML1B_DANRE RecName: Full=RNA methyltransferase-like protein 1B
 NP_001187591.1 RNA (guanine-9-)-methyltransferase domain-containing protein 3
 XP_006109962.1 RNA 2',3'-cyclic phosphate and 5'-OH ligase
 ADO27729.1 RNA 3'-terminal phosphate cyclase-like protein
 NP_001096253.1 RNA binding motif protein 11
 NP_997973.1 RNA binding motif protein 14
 XP_005167280.1 RNA binding motif protein 39b isoform X2
 XP_005172346.1 RNA binding motif protein 4 like isoform X1
 XP_005164000.1 RNA binding protein fox-1 homolog 1 isoform X1
 XP_006720959.1 RNA binding protein fox-1 homolog 1 isoform X18
 XP_006522237.1 RNA binding protein fox-1 homolog 1 isoform X23
 XP_004071181.1 RNA binding protein fox-1 homolog 1-like
 XP_004541226.1 RNA binding protein fox-1 homolog 1-like isoform X3
 XP_006011808.1 RNA binding protein fox-1 homolog 2-like
 XP_687844.5 RNA binding protein fox-1 homolog 3
 XP_002664038.3 RNA binding protein fox-1 homolog 3-like isoform X1
 XP_005469137.1 RNA binding protein fox-1 homolog 3-like isoform X4

XP_003442630.2	RNA binding protein fox-1 homolog 3-like isoformX2
XP_005158230.1	RNA binding protein, fox-1 homolog (C. elegans) 1-like isoform X1
NP_001119888.1	RNA exonuclease 1 homolog
XP_005938601.1	RNA exonuclease 1 homolog isoform X2
XP_002665913.1	RNA exonuclease 4-like
NP_001084232.1	RNA guanylyltransferase and 5'-phosphatase
NP_001167121.1	RNA methyltransferase NOL1
NP_001017695.1	RNA methyltransferase-like protein 1A
NP_956001.1	RNA polymerase II elongation factor ELL
XP_005727140.1	RNA polymerase II elongation factor ELL-like
XP_006635977.1	RNA polymerase II subunit A C-terminal domain phosphatase-like
XP_004859177.1	RNA polymerase II-associated factor 1 homolog isoform X1
XP_004859179.1	RNA polymerase II-associated factor 1 homolog isoform X3
EMP27818.1	RNA polymerase II-associated factor 1 like protein
XP_003200406.2	RNA polymerase II-associated protein 1
NP_001135387.1	RNA polymerase II-associated protein 3
XP_005811468.1	RNA polymerase II-associated protein 3-like
XP_005451861.1	RNA polymerase II-associated protein 3-like isoform X2
AAM12032.1	RNA polymerase III subunit RPC155-D
XP_706962.2	RNA polymerase I-specific transcription initiation factor RRN3 isoformX2
XP_006885655.1	RNA polymerase-associated protein CTR9 homolog
EMP38952.1	RNA polymerase-associated protein LEO1
XP_006628768.1	RNA polymerase-associated protein LEO1-like
XP_006632618.1	RNA polymerase-associated protein RTF1 homolog
XP_005156773.1	RNA polymerase-associated protein RTF1 homolog isoform X1
XP_005164104.1	RNA pseudouridylate synthase domain-containing protein 1 isoform X1
XP_693475.5	RNA pseudouridylate synthase domain-containing protein 2-like
ADO28005.1	RNA pseudouridylate synthase domain-containing protein 4
XP_005169271.1	RNA/RNP complex-1-interacting phosphatase isoform X1
XP_006625557.1	RNA/RNP complex-1-interacting phosphatase-like
XP_005723021.1	RNA-binding motif protein, X chromosome-like isoform X1
XP_004076708.1	RNA-binding motif protein, X-linked 2-like
XP_005155779.1	RNA-binding motif, single-stranded-interacting protein 1 isoform X1
XP_693395.3	RNA-binding motif, single-stranded-interacting protein 1 isoform X3
XP_005026932.1	RNA-binding motif, single-stranded-interacting protein 1 isoform X4
XP_004557699.1	RNA-binding motif, single-stranded-interacting protein 1-like isoform X3
NP_001003541.1	RNA-binding motif, single-stranded-interacting protein 2
XP_006629325.1	RNA-binding motif, single-stranded-interacting protein 2-like
XP_005158287.1	RNA-binding motif, single-stranded-interacting protein 3 isoform X3
XP_006713172.1	RNA-binding motif, single-stranded-interacting protein 3 isoform X8
XP_004078080.1	RNA-binding motif, single-stranded-interacting protein 3-like
XP_005170619.1	RNA-binding protein 10-like
NP_001003856.1	RNA-binding protein 12
XP_005986782.1	RNA-binding protein 12-like isoform X1
XP_005161875.1	RNA-binding protein 20-like isoform X1
XP_683222.5	RNA-binding protein 20-like isoform X2
XP_006792657.1	RNA-binding protein 25-like
XP_002662309.3	RNA-binding protein 26
XP_005167991.1	RNA-binding protein 27 isoform X2
XP_006631859.1	RNA-binding protein 27-like
XP_003967194.1	RNA-binding protein 28-like
XP_005166479.1	RNA-binding protein 33 isoform X2
XP_004069121.1	RNA-binding protein 38-like
XP_005169336.1	RNA-binding protein 39 isoform X5
XP_005448808.1	RNA-binding protein 39-like isoform X2
XP_005172361.1	RNA-binding protein 4.1 isoform X1
NP_001035019.1	RNA-binding protein 40
XP_005162876.1	RNA-binding protein 40 isoform X1
XP_003208697.1	RNA-binding protein 40-like
XP_005461449.1	RNA-binding protein 40-like isoform X1
NP_001007406.1	RNA-binding protein 41
XP_005946396.1	RNA-binding protein 42-like
XP_004569915.1	RNA-binding protein 44-like
NP_001120874.1	RNA-binding protein 45
NP_001108158.1	RNA-binding protein 47
NP_001093608.2	RNA-binding protein 5
XP_005923749.1	RNA-binding protein 8A-like isoform X1
XP_005164063.1	RNA-binding protein FUS isoform X1
XP_006643204.1	RNA-binding protein FUS-like
NP_998657.1	RNA-binding protein MEX3A
XP_002665080.1	RNA-binding protein MEX3B-like
XP_005476213.1	RNA-binding protein MEX3D-like isoform X2
BAL68140.1	RNA-binding protein Musashi homolog 1 Long
XP_002827381.2	RNA-binding protein Musashi homolog 2
XP_005219940.1	RNA-binding protein Musashi homolog 2 isoform X9
XP_005803687.1	RNA-binding protein Musashi homolog 2-like
XP_002665351.1	RNA-binding protein NOB1 isoform X2
XP_683754.2	RNA-binding protein NOB1 isoformX1
XP_003200102.1	RNA-binding protein Nova-1 isoformX2

XP_004569653.1 RNA-binding protein Nova-1-like isoform X1
 NP_001187556.1 RNA-binding protein PNO1
 ERE90243.1 RNA-binding protein PNO1-like protein
 XP_005813457.1 RNA-binding protein with multiple splicing-like
 XP_004558080.1 RNA-binding protein with multiple splicing-like isoform X2
 NP_956055.1 RNA-binding protein with serine-rich domain 1
 XP_004551962.1 RNA-binding Raly-like protein-like isoform X1
 XP_005449089.1 RNA-binding Raly-like protein-like isoform X3
 YP_073558.1 RNA-dependent DNA polymerase
 CDJ92239.1 RNA-directed DNA polymerase (reverse transcriptase) and Integrase domain containing protein, partial
 CDJ97823.1 RNA-directed DNA polymerase (reverse transcriptase) domain containing protein
 XP_005447951.1 RNA-directed DNA polymerase from mobile element jockey-like
 XP_006129527.1 RNA-directed DNA polymerase from mobile element jockey-like, partial
 XP_004916049.1 RNA-directed DNA polymerase homolog, partial
 AGC11944.1 RNA-specific adenosine deaminase
 CAM60060.1 robo1
 AAI63550.1 Robo1 protein
 CAM60099.1 robo2
 CAM60061.1 robo3
 CAM60093.1 robo4
 NP_001007161.1 rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha
 XP_685002.1 rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta isoform 1
 XP_005810084.1 rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta-like
 XP_006115168.1 rootletin
 XP_005166013.1 rootletin-like
 XP_004571181.1 rootletin-like isoform X1
 XP_004571182.1 rootletin-like isoform X2
 XP_006006613.1 ropporin-1-like protein
 NP_001108155.1 roquin
 XP_005912872.1 roquin-1-like isoform X1
 XP_006795608.1 roquin-2-like isoform X1
 XP_003443622.1 rotatin
 XP_001920443.3 rotatin isoform X1
 XP_006633534.1 round spermatid basic protein 1-like protein-like
 XP_005172767.1 roundabout homolog 1 isoform X1
 NP_571556.1 roundabout homolog 1 precursor
 XP_004076613.1 roundabout homolog 1-like
 XP_004558297.1 roundabout homolog 1-like isoform X1
 NP_571708.1 roundabout homolog 2 precursor
 XP_005157615.1 roundabout homolog 2-like
 XP_005937952.1 roundabout homolog 2-like isoform X2
 XP_005471986.1 roundabout homolog 2-like isoform X3
 XP_005937564.1 roundabout homolog 2-like isoform X5
 XP_005172694.1 roundabout homolog 3 isoform X2
 NP_571557.1 roundabout homolog 3 precursor
 ADO28223.1 rpa-interacting protein a
 NP_001017877.1 RPE-retinal G protein-coupled receptor
 AAH67177.1 Rpia protein, partial
 RRF2M_DANRE RecName: Full=Ribosome-releasing factor 2, mitochondrial; Short=RRF2mt;
 AltName: Full=Elongation factor G 2, mitochondrial; Short=EF-G2mt; Short=mEF-G 2; Flags:
 Precursor
 A0JMI9.2 Rrm2b protein
 AAI08038.1 rRNA-processing protein FCF1-like protein
 EHB15432.1 rRNA-processing protein UTP23 homolog
 NP_001017816.1 RRP12-like protein
 NP_001025447.1 RRP12-like protein-like
 XP_006630369.1 RRP15-like protein-like
 XP_006625833.1 RSPO3_DANRE RecName: Full=R-spondin-3; AltName: Full=Cabriole; AltName: Full=Roof plate-
 specific spondin-3; Flags: Precursor
 Q5R328.2 R-spondin-1 precursor
 NP_001002352.1 R-spondin-2 precursor
 NP_001268919.1 RT4I1_DANRE RecName: Full=Reticulon-4-interacting protein 1 homolog, mitochondrial; Flags:
 Precursor
 Q7T3C7.2 RTEL1_DANRE RecName: Full=Regulator of telomere elongation helicase 1
 POC928.1 rtn4rl2a
 CAP08029.1 rtn4rl2b
 CAP07977.1 rtSox23
 NP_001117653.1 RUN and FYVE domain-containing protein 1-like
 XP_002667361.2 RUN and FYVE domain-containing protein 2 isoform X2
 XP_005156932.1 run domain Beclin-1 interacting and cysteine-rich containing protein-like
 XP_006637909.1 run domain Beclin-1 interacting and cysteine-rich containing protein-like
 XP_004068008.1 run domain Beclin-1 interacting and cysteine-rich containing protein-like isoform X3
 XP_004562029.1 RUN domain-containing protein 1-like isoform X2
 XP_005164020.1 RUN domain-containing protein 3A
 NP_956443.1 RUN domain-containing protein 3A-like
 XP_001922267.3 RUN domain-containing protein 3B
 XP_005228935.1 RUN domain-containing protein 3B
 XP_003450924.1 RUN domain-containing protein 3B-like isoform X1
 AGS58252.1 runt-related transcription factor 1, partial

EHB10893.1	Runt-related transcription factor 2
XP_005169860.1	runt-related transcription factor 2 isoform X1
NP_571679.2	runt-related transcription factor 3
AAS86315.1	Runx2a splice form 4, partial
AAS02046.1	Runx2b
XP_005979497.1	ruvB-like 1
NP_777285.1	ruvB-like 2
XP_006806844.1	ruvB-like 2-like
XP_004561733.1	ruvB-like 2-like isoform X1
XP_002716314.1	RWD domain containing 1-like
NP_957050.1	RWD domain-containing protein 3
Q919D5.1	RX1_ASTFA RecName: Full=Retinal homeobox protein Rx1
AAI63788.1	Rx3 protein
XP_004060723.1	ryanodine receptor 1
XP_004564086.1	ryanodine receptor 1-like
XP_001921137.1	ryanodine receptor 2
XP_005539759.1	ryanodine receptor 2 isoform X5
XP_005989785.1	ryanodine receptor 2, partial
XP_006638885.1	ryanodine receptor 2-like
XP_005685653.1	ryanodine receptor 3
XP_006632580.1	ryanodine receptor 3-like
XP_005814094.1	ryanodine receptor 3-like, partial
NP_001116519.1	S phase cyclin A-associated protein in the endoplasmic reticulum
XP_005470795.1	S phase cyclin A-associated protein in the endoplasmic reticulum isoform X1
XP_005163212.1	S phase cyclin A-associated protein in the endoplasmic reticulum isoform X2
XP_004553219.1	S phase cyclin A-associated protein in the endoplasmic reticulum-like isoform X3
XP_006789401.1	S phase cyclin A-associated protein in the endoplasmic reticulum-like isoform X4
ABY50452.1	S/G2 nuclear autoantigen
XP_001921517.3	S1 RNA-binding domain-containing protein 1, partial
XP_006638848.1	S1 RNA-binding domain-containing protein 1-like
NP_001082820.1	S100 calcium binding protein A1
XP_005159484.1	S100 calcium binding protein S isoform X1
XP_005159486.1	S100 calcium binding protein S isoform X3
NP_001187971.1	s100-a10
NP_001188085.1	s100-a11
O57379.1	S22A6_PSEAM RecName: Full=Solute carrier family 22 member 6; AltName: Full=Organic anion transporter 1; AltName: Full=Renal organic anion transporter 1; Short=ROAT1; AltName: Full=fROAT1
Q08C18.2	S238A_DANRE RecName: Full=Solute carrier family 25 member 38-A
BAH72990.1	s26
BOS5Y3.1	S5A3A_DANRE RecName: Full=Solute carrier family 52, riboflavin transporter, member 3-A; AltName: Full=Riboflavin transporter 2-A; Short=RFT2-A
Q90ZM2.3	S61A1_DANRE RecName: Full=Protein transport protein Sec61 subunit alpha-like 1
A4VCH0.2	SAC1B_DANRE RecName: Full=Phosphatidylinositolde phosphatase SAC1-B; AltName: Full=Suppressor of actin mutations 1-like protein B
XP_002666478.2	SAC3 domain-containing protein 1
XP_005479126.1	SAC3 domain-containing protein 1-like isoform X3
XP_006626125.1	saccharopine dehydrogenase-like oxidoreductase-like
XP_682866.6	sacsin
XP_002166082.2	sacsin-like
XP_003200093.2	sacsin-like isoform X1
NP_001188063.1	s-acyl fatty acid synthase thioesterase medium chain
XP_003874747.1	S-adenosylhomocysteine hydrolase
CAQ14844.1	S-adenosylhomocysteine hydrolase-like 1
NP_001070624.1	S-adenosyl-L-methionine-dependent tRNA 4-demethylwyosine synthase
ACO09508.1	S-adenosylmethionine decarboxylase proenzyme
XP_003453068.1	S-adenosylmethionine decarboxylase proenzyme-like
NP_001187730.1	s-adenosylmethionine mitochondrial carrier protein
XP_004544689.1	S-adenosylmethionine synthase isoform type-2-like
NP_998498.2	SAFB-like transcription modulator
XP_005813647.1	SAGA-associated factor 29 homolog
NP_001188193.1	saga-associated factor 29-like protein
NP_001139486.1	sal-like protein 1
XP_005918192.1	sal-like protein 1-like
XP_002664939.2	sal-like protein 1-like isoform X1
XP_005157904.1	sal-like protein 3-like isoform X1
NP_001074078.1	sal-like protein 4
XP_005165598.1	salt-inducible kinase 2a isoform X1
XP_005160756.1	SAM and SH3 domain-containing protein 1 isoform X1
XP_005160757.1	SAM and SH3 domain-containing protein 1 isoform X2
XP_006084442.1	SAM and SH3 domain-containing protein 1 isoform X3
XP_694810.3	SAM and SH3 domain-containing protein 1-like
XP_690443.4	SAM and SH3 domain-containing protein 3-like
XP_005169221.1	SAM domain-containing protein SAMSN-1 isoform X1
XP_005720742.1	SAM domain-containing protein SAMSN-1-like
XP_001343077.2	SAM pointed domain-containing Ets transcription factor-like
Q502K2.2	SAMH1_DANRE RecName: Full=Deoxynucleoside triphosphate triphosphohydrolase SAMHD1; Short=dNTPase
ELR57974.1	S-antigen protein

XP_006794053.1 SAP domain-containing ribonucleoprotein-like
 XP_006797020.1 SAP30-binding protein-like
 NP_001070999.1 sarcalumenin precursor
 XP_005162107.1 sarcolemma associated protein b isoform X1
 XP_005168118.1 sarcolemmal membrane-associated protein isoform X2
 XP_006631015.1 sarcolemmal membrane-associated protein-like
 XP_005533872.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 1-like
 XP_005940873.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 1-like isoform X1
 EPQ13969.1 Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
 XP_684227.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform 1
 XP_005166855.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform X1
 XP_005926929.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2-like
 XP_004074892.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2-like isoform 1
 XP_006640331.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 2-like isoform X1
 XP_006806851.1 sarcoplasmic/endoplasmic reticulum calcium ATPase 3-like
 XP_005155653.1 sarcosine dehydrogenase, mitochondrial isoform X1
 XP_005155655.1 sarcosine dehydrogenase, mitochondrial isoform X3
 XP_005938907.1 sarcosine dehydrogenase, mitochondrial-like
 NP_001139984.1 sarcospan
 NP_956853.1 S-arrestin
 XP_001922616.3 saxitoxin and tetrodotoxin-binding protein 2-like
 XP_005731212.1 SAYSVFN domain-containing protein 1-like
 XP_002661202.2 sb:cb1067
 AAH67619.1 Sb:cb283 protein, partial
 XP_002664500.3 sc:d0348
 Q2XVR4.1 SC4AB_TETNG RecName: Full=Sodium channel protein type 4 subunit alpha B; AltName: Full=Voltage-gated sodium channel subunit alpha Nav1.4b
 NP_999848.1 scaffold attachment factor B2
 XP_006640055.1 scaffold attachment factor B2-like
 XP_005942865.1 SCAN domain-containing protein 3-like
 XP_004085102.1 SCAN domain-containing protein 3-like, partial
 XP_004084013.1 scavenger receptor class A member 3-like
 XP_003456669.1 scavenger receptor class A member 5-like
 NP_944603.1 scavenger receptor class B member 1
 XP_006802162.1 scavenger receptor class F member 1-like
 XP_004540640.1 scavenger receptor class F member 1-like isoform X1
 XP_003198649.2 scavenger receptor class F member 2-like
 XP_002661979.3 scavenger receptor cysteine-rich domain-containing group B protein-like
 XP_005166781.1 scavenger receptor cysteine-rich type 1 protein M130-like
 XP_004561916.1 scavenger receptor cysteine-rich type 1 protein M130-like isoform X1
 XP_005314261.1 scavenger receptor cysteine-rich type 1 protein M130-like, partial
 A3KQQ9.1 SCG3_DANRE RecName: Full=Secretogranin-3; AltName: Full=Secretogranin III; Short=SgIII; Flags: Precursor
 XP_003891722.1 schlafen-like protein 1 isoform 2
 XP_005164970.1 Schwann cell myelin protein-like
 XP_004834582.1 schwannomin-interacting protein 1 isoform X4
 XP_006637672.1 schwannomin-interacting protein 1-like
 XP_005070338.1 sciellin
 NP_835232.2 scinderin like a
 AFQ38973.1 scinderin-like protein
 NP_001076314.1 sclerostin domain containing 1b precursor
 NP_001134370.1 Sclerostin domain-containing protein 1 precursor
 XP_006638179.1 sclerostin-like
 XP_003199528.1 Scm-like with four mbt domains 1 isoform X1
 XP_005155896.1 Scm-like with four mbt domains 1 isoform X2
 XP_005164891.1 Scm-like with four mbt domains 2 isoform X1
 XP_005494516.1 scm-like with four MBT domains protein 2
 XP_005921060.1 scm-like with four MBT domains protein 2-like
 XP_001920334.4 SCO-spondin
 XP_004568986.1 SCO-spondin-like
 XP_005747280.1 SCO-spondin-like, partial
 XP_006630146.1 scrapie-responsive protein 1-like
 NP_001107073.1 scratch homolog 1, zinc finger protein a
 NP_001014369.1 scratch homolog 1, zinc finger protein b
 ABD96046.1 Scube2
 XP_003972836.1 SCY1-like protein 2-like
 Q6NV26.1 SDA1_DANRE RecName: Full=Protein SDA1 homolog; AltName: Full=SDA1 domain-containing protein 1
 XP_004637181.1 sec1 family domain-containing protein 1
 NP_001013582.1 sec1 family domain-containing protein 2
 XP_004067617.1 sec1 family domain-containing protein 2-like
 AAY86959.1 SEC11-like 1
 ERE71920.1 SEC14 domain and spectrin repeat-containing protein 1
 XP_001515483.1 SEC14 domain and spectrin repeat-containing protein 1 isoform X1
 NP_957392.1 SEC14-like protein 1
 XP_006635264.1 SEC14-like protein 1-like
 XP_005919244.1 SEC14-like protein 1-like isoform X1
 XP_005803081.1 SEC14-like protein 1-like isoform X2
 XP_005993254.1 SEC14-like protein 1-like isoform X3

XP_003453047.1	SEC14-like protein 2-like isoform X1
AAH97063.1	Sec23 homolog A (S. cerevisiae)
NP_001070847.1	SEC23-interacting protein
CAI11950.1	SEC5-like 1 (S. cerevisiae)
NP_001025287.1	secernin-2
XP_005160492.1	secernin-2 isoform X3
XP_006788525.1	secernin-3-like
XP_005173681.1	SECIS binding protein 2-like
XP_005461638.1	SECIS binding protein 2-like isoform X2
XP_006888743.1	secretagogin
XP_003219819.1	secretagogin isoform X1
NP_001098307.1	secreted frizzled-related protein 1 precursor
XP_006629547.1	secreted frizzled-related protein 2-like
XP_005857804.1	secreted frizzled-related protein 3
NP_571933.1	secreted frizzled-related protein 5 precursor
XP_006630493.1	secreted frizzled-related protein 5-like
NP_001029354.2	secreted immunoglobulin domain 4 precursor
AGO58863.1	secreted immunoglobulin domain 4, partial
AEW31060.1	secreted modular calcium-binding protein 2
XP_003197712.2	secreted phosphoprotein 24-like
NP_001243568.1	secretin receptor precursor
XP_694032.4	secretion-regulating guanine nucleotide exchange factor
AAT48120.1	secretogranin II
XP_005160930.1	secretogranin-1 isoform X1
NP_001138712.1	secretory calcium-binding phosphoprotein 1 precursor
NP_998543.1	secretory carrier membrane protein 2 isoform 1
NP_001072492.1	secretory carrier membrane protein 4
NP_991255.1	secretory carrier-associated membrane protein 1
XP_006626783.1	secretory carrier-associated membrane protein 1-like
XP_005521435.1	secretory carrier-associated membrane protein 2
XP_006628990.1	secretory carrier-associated membrane protein 2-like
NP_001007346.1	secretory carrier-associated membrane protein 3
NP_001134333.1	Secretory carrier-associated membrane protein 4
XP_003967781.1	secretory carrier-associated membrane protein 5-like
XP_005477926.1	secretory phospholipase A2 receptor-like
XP_003199476.2	secretory phospholipase A2 receptor-like isoform X1
XP_005155783.1	secretory phospholipase A2 receptor-like isoform X2
XP_001341627.4	sedoheptulokinase
XP_006641066.1	sedoheptulokinase-like
XP_698367.6	segment polarity protein dishevelled homolog DVL-1
XP_004070889.1	segment polarity protein dishevelled homolog DVL-1-like
XP_005162347.1	segment polarity protein dishevelled homolog DVL-1-like, partial
ACO13685.1	Segment polarity protein dishevelled homolog DVL-3
XP_005159319.1	segment polarity protein dishevelled homolog DVL-3 isoform X2
XP_006637903.1	segment polarity protein dishevelled homolog DVL-3-like
NP_001032473.1	seipin
XP_005803364.1	seipin-like
XP_006641113.1	seizure 6-like protein-like
XP_002663709.3	seizure 6-like protein-like isoform X1
XP_005155492.1	seizure 6-like protein-like isoform X2
XP_686082.4	seizure protein 6 homolog
XP_003200099.2	seizure protein 6 homolog isoform X1
XP_006799569.1	seizure protein 6 homolog isoform X2
XP_003439938.1	sel1 repeat-containing protein 1-like
AFA43701.1	SEL1L
AAO65274.1	selenide water dikinase 2
NP_955995.2	selenide, water dikinase 1
XP_004069738.1	selenide, water dikinase 1-like
XP_004070631.1	selenide, water dikinase 2-like
XP_005158264.1	selenium-binding protein 1 isoform X1
AHA82628.1	selenium-dependent glutathione peroxidase
XP_005419689.1	selenocysteine insertion sequence-binding protein 2-like
XP_005939198.1	selenocysteine insertion sequence-binding protein 2-like isoform X1
NP_001103853.1	selenocysteine lyase
NP_001032513.1	selenocysteine-specific elongation factor
AAH81590.1	Selenophosphate synthetase 2
NP_001004294.4	selenoprotein N
AAI55255.1	Selenoprotein N, 1
NP_001038336.2	selenoprotein O
AAI55822.1	Selenoprotein P, plasma, 1a
NP_840083.2	selenoprotein Pb precursor
XP_005675505.1	selenoprotein T-like
NP_001188199.2	selenoprotein U
NP_840072.3	selenoprotein W
XP_005166029.1	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6E isoform X2
XP_005166030.1	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6E isoform X3
CAM60070.1	sema3aa

CAM60071.1	sema3ab
AAI62381.1	Semaphorin 3aa
AAI63261.1	Semaphorin 3ab
AAW56080.1	semaphorin 3C, partial
AAI62510.1	Semaphorin 3d
AAI63771.1	Semaphorin 3fa
XP_005166096.1	semaphorin 3fa isoform X1
XP_005166097.1	semaphorin 3fa isoform X2
XP_005167088.1	semaphorin 3ga isoform X1
NP_001014823.1	semaphorin 3ga precursor
XP_005167089.1	semaphorin 3gb isoform X1
XP_005167043.1	semaphorin 3h isoform X1
XP_005159226.1	semaphorin 4B isoform X1
ACI25101.1	semaphorin 5a, partial
NP_571135.1	semaphorin-3aa precursor
XP_005805957.1	semaphorin-3aa-like
NP_571136.1	semaphorin-3ab precursor
XP_005800189.1	semaphorin-3A-like
XP_003444890.1	semaphorin-3B isoform X1
NP_001121818.1	semaphorin-3B precursor
XP_692847.3	semaphorin-3C
XP_005806969.1	semaphorin-3C-like
XP_005161886.1	semaphorin-3D isoform X1
XP_687092.1	semaphorin-3D isoform X2
NP_571123.1	semaphorin-3D precursor
XP_005159079.1	semaphorin-3E isoform X1
XP_005159080.1	semaphorin-3E isoform X2
XP_005159081.1	semaphorin-3E isoform X3
NP_001038549.1	semaphorin-3E precursor
XP_005453576.1	semaphorin-3F-like isoform X2
ERE91876.1	semaphorin-3G
NP_001116184.1	semaphorin-3G precursor
XP_005170153.1	semaphorin-4A isoform X1
XP_006629040.1	semaphorin-4B-like
XP_005168672.1	semaphorin-4C isoform X1
NP_001121718.1	semaphorin-4C precursor
XP_003200859.2	semaphorin-4D
XP_005720448.1	semaphorin-4D-like isoform X5
NP_571124.1	semaphorin-4E isoform 1 precursor
NP_001077334.1	semaphorin-4E isoform 2 precursor
XP_005750504.1	semaphorin-4E-like
XP_683785.5	semaphorin-4F isoform X2
XP_003199679.2	semaphorin-4G
CBN81890.1	Semaphorin-5A
XP_005162675.1	semaphorin-5A isoform X1
XP_005162676.1	semaphorin-5A isoform X2
XP_005906008.1	semaphorin-5A-like
XP_004546646.1	semaphorin-5A-like isoform X1
XP_005167923.1	semaphorin-5B isoform X2
XP_005167924.1	semaphorin-5B isoform X3
XP_001340298.5	semaphorin-5B-like
XP_005473507.1	semaphorin-6A isoform X3
XP_005795115.1	semaphorin-6A-like
XP_005919153.1	semaphorin-6A-like isoform X3
XP_002660976.2	semaphorin-6B
XP_005795792.1	semaphorin-6B-like
XP_005173705.1	semaphorin-6D isoform X1
XP_005173706.1	semaphorin-6D isoform X2
XP_006641809.1	semaphorin-6D-like
XP_006628710.1	semaphorin-6D-like isoform X2
NP_001108357.1	semaphorin-7A
XP_006779799.1	semaphorin-7A-like
XP_003201673.2	semaphorin-7A-like, partial
NP_001038836.2	sensory organ homeobox protein SOHo
XP_001343517.1	sentrin-specific protease 1
XP_684283.2	sentrin-specific protease 2
XP_005479267.1	sentrin-specific protease 2-like
NP_001073666.2	sentrin-specific protease 5
XP_006258818.1	sentrin-specific protease 6
XP_005158911.1	sentrin-specific protease 6 isoform X2
XP_005160381.1	sentrin-specific protease 6 isoform X5
XP_005936295.1	sentrin-specific protease 6-like
XP_700046.5	sentrin-specific protease 7 isoform X4
NP_001187849.1	sentrin-specific protease 8
XP_001337869.1	separin isoform X1
XP_005166151.1	separin isoform X2
AAI16561.1	Sept2 protein
AAI07719.1	SEPT7 protein
AAI00045.1	Sept8a protein

AAH61455.1	Sept9a protein
ADI77433.1	sept9a_tv7
NP_001032456.1	septin 4a
XP_005166238.1	septin 9b isoform X1
XP_005166239.1	septin 9b isoform X2
NP_001017557.1	septin-10
XP_001346020.5	septin-2
XP_006640163.1	septin-2-like
XP_005953706.1	septin-2-like, partial
XP_001343014.5	septin-4 isoform X1
XP_005463781.1	septin-4-like isoform X4
XP_003763391.1	septin-5
XP_005794910.1	septin-5-like
XP_006632961.1	septin-6-like
XP_003469990.2	septin-7
NP_001119922.1	septin-7 isoform 2
XP_005519114.1	septin-7 isoform X2
XP_005158526.1	septin-7 isoform X4
XP_006635836.1	septin-7-like
XP_004566190.1	septin-7-like isoform X1
XP_006641257.1	septin-7-like isoform X2
XP_004566192.1	septin-7-like isoform X3
NP_001167234.1	Septin-8
XP_006246328.1	septin-8 isoform X2
XP_005805510.1	septin-8-A-like isoform X1
XP_005164017.1	septin-9 isoform X1
XP_693022.3	septin-9 isoform X3
XP_006637365.1	septin-9-like
XP_005157269.1	sequestosome-1 isoform X1
XP_006632090.1	sequestosome-1-like
NP_001167186.1	SERAC1
AAI24692.1	Sergef protein
AAH71500.1	Serinc5 protein
NP_001018429.1	serine beta-lactamase-like protein LACTB, mitochondrial
XP_005798341.1	serine beta-lactamase-like protein LACTB, mitochondrial-like
AAH66718.2	Serine carboxypeptidase 1
NP_956486.1	serine carboxypeptidase 1 precursor
ACO10155.1	Serine hydrolase-like protein
AAAX45073.1	serine hydroxymethyltransferase
NP_001116846.1	serine hydroxymethyltransferase, mitochondrial
XP_004547736.1	serine hydroxymethyltransferase, mitochondrial-like
NP_956021.1	serine incorporator 1 precursor
XP_006639525.1	serine incorporator 1-like
NP_001038647.1	serine incorporator 2 precursor
XP_004586116.1	serine incorporator 3
EPY74192.1	serine incorporator 3 precursor
XP_005166547.1	serine incorporator 4-like isoform X1
XP_698642.3	serine incorporator 4-like isoform X2
XP_003975093.1	serine incorporator 5-like
ABD6552.1	serine or cysteine proteinase inhibitor
XP_003472501.1	serine palmitoyltransferase 2
XP_006632191.1	serine palmitoyltransferase 2-like
XP_004543635.1	serine palmitoyltransferase small subunit B-like isoform X1
AAI63929.1	Serine peptidase inhibitor, Kunitz type 1 b
XP_005466886.1	serine protease 23-like
XP_692384.2	serine protease 23-like isoform 2
XP_001341498.1	serine protease 27-like
XP_003200307.1	serine protease hepsin-like
NP_001002219.1	serine protease HTRA1A precursor
XP_003963842.1	serine protease HTRA1A-like
NP_001104652.1	serine protease HTRA1B precursor
XP_005932251.1	serine protease HTRA1B-like
XP_002662051.2	serine protease HTRA1-like
XP_005156654.1	serine protease HTRA2, mitochondrial-like isoform X1
XP_692974.6	serine protease HTRA3-like
XP_005160462.1	serine proteinase inhibitor, clade A, member 1 isoform X1
NP_998607.1	serine/arginine repetitive matrix protein 1
XP_001333401.1	serine/arginine repetitive matrix protein 1-like
XP_698574.2	serine/arginine repetitive matrix protein 2
XP_005160219.1	serine/arginine repetitive matrix protein 2-like
XP_005496900.1	serine/arginine repetitive matrix protein 2-like, partial
XP_005168655.1	serine/arginine repetitive matrix protein 3-like isoform X3
XP_005167055.1	serine/arginine-rich protein specific kinase 1a isoform X1
XP_005155715.1	serine/arginine-rich protein specific kinase 1b isoform X1
XP_004079433.1	serine/arginine-rich splicing factor 11-like isoform 2
XP_004561524.1	serine/arginine-rich splicing factor 11-like isoform X2
XP_006641146.1	serine/arginine-rich splicing factor 1-like
XP_005964324.1	serine/arginine-rich splicing factor 3-like isoform X1
XP_006222477.1	serine/arginine-rich splicing factor 4-like

NP_957161.1	serine/arginine-rich splicing factor 5a
EPQ10783.1	Serine/arginine-rich splicing factor 6
NP_001025438.1	serine/arginine-rich splicing factor 7b
XP_006640261.1	serine/arginine-rich splicing factor 9-like
NP_001008627.1	serine/threonine kinase 35, like
NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
ETW55219.1	serine/threonine protein kinase
BAD01472.1	serine/threonine protein kinase ARAF
ADO28008.1	serine/threonine/tyrosine-interacting protein a
NP_957427.1	serine/threonine-protein kinase 10
XP_006631941.1	serine/threonine-protein kinase 10-like
XP_005750198.1	serine/threonine-protein kinase 10-like isoform X1
NP_956582.2	serine/threonine-protein kinase 11-interacting protein
XP_005166285.1	serine/threonine-protein kinase 11-interacting protein isoform X1
XP_004562609.1	serine/threonine-protein kinase 11-interacting protein-like
NP_001187731.1	serine/threonine-protein kinase 12
NP_001133526.1	serine/threonine-protein kinase 16
NP_001071197.1	serine/threonine-protein kinase 17A
XP_006634361.1	serine/threonine-protein kinase 17A-like
XP_003455799.1	serine/threonine-protein kinase 17A-like isoform X1
NP_956829.1	serine/threonine-protein kinase 17B
XP_005808927.1	serine/threonine-protein kinase 19-like
XP_005165890.1	serine/threonine-protein kinase 24 isoform X1
XP_006639017.1	serine/threonine-protein kinase 24-like
NP_001187265.1	serine/threonine-protein kinase 25
XP_004570587.1	serine/threonine-protein kinase 25-like isoform X2
XP_004619954.1	serine/threonine-protein kinase 3
XP_005456489.1	serine/threonine-protein kinase 3/4-like isoform X2
XP_002664912.3	serine/threonine-protein kinase 31-like isoform X1
XP_005158033.1	serine/threonine-protein kinase 31-like isoform X2
XP_002925719.1	serine/threonine-protein kinase 32A-like
XP_002666127.2	serine/threonine-protein kinase 32B-like
XP_006099069.1	serine/threonine-protein kinase 32C
XP_006717844.1	serine/threonine-protein kinase 32C isoform X1
XP_006799131.1	serine/threonine-protein kinase 32C-like
NP_001038554.2	serine/threonine-protein kinase 33
XP_004086386.1	serine/threonine-protein kinase 35-like
XP_003201280.1	serine/threonine-protein kinase 35-like isoform 1
XP_003200963.1	serine/threonine-protein kinase 38
XP_004450448.1	serine/threonine-protein kinase 38 isoform 5
XP_006523448.1	serine/threonine-protein kinase 38 isoform X1
XP_003973006.1	serine/threonine-protein kinase 38-like
NP_001167085.1	Serine/threonine-protein kinase 4
XP_693275.5	serine/threonine-protein kinase 40, partial
XP_004078340.1	serine/threonine-protein kinase 40-like
XP_005797168.1	serine/threonine-protein kinase 4-like
XP_005802231.1	serine/threonine-protein kinase A-Raf-like
XP_696163.5	serine/threonine-protein kinase ATR
XP_869161.3	serine/threonine-protein kinase B-raf isoform 2
XP_004901196.1	serine/threonine-protein kinase BRSK1-like
XP_006210860.1	serine/threonine-protein kinase BRSK2
XP_005448380.1	serine/threonine-protein kinase BRSK2 isoform X1
XP_005448382.1	serine/threonine-protein kinase BRSK2 isoform X3
XP_003214875.1	serine/threonine-protein kinase BRSK2 isoform X7
XP_002666904.2	serine/threonine-protein kinase BRSK2-like
XP_004571448.1	serine/threonine-protein kinase BRSK2-like isoform X1
XP_005166544.1	serine/threonine-protein kinase BRSK2-like isoform X3
XP_005942934.1	serine/threonine-protein kinase BRSK2-like isoform X4
XP_004563441.1	serine/threonine-protein kinase BRSK2-like isoform X6
XP_005161214.1	serine/threonine-protein kinase Chk1 isoform X1
EPY81175.1	serine/threonine-protein kinase D1
XP_685219.2	serine/threonine-protein kinase D1 isoform X2
XP_004075709.1	serine/threonine-protein kinase D2-like
XP_005915848.1	serine/threonine-protein kinase D2-like isoform X1
XP_006627690.1	serine/threonine-protein kinase D2-like isoform X2
XP_685483.4	serine/threonine-protein kinase D3
XP_004083987.1	serine/threonine-protein kinase D3-like
XP_004568508.1	serine/threonine-protein kinase D3-like isoform X1
XP_004715480.1	serine/threonine-protein kinase DCLK1
XP_004075345.1	serine/threonine-protein kinase DCLK1-like
XP_006628237.1	serine/threonine-protein kinase DCLK1-like isoform X1
XP_006628240.1	serine/threonine-protein kinase DCLK1-like isoform X4
NP_001139260.1	serine/threonine-protein kinase DCLK2 isoform 3
NP_001139261.1	serine/threonine-protein kinase DCLK2 isoform 4
XP_002666616.3	serine/threonine-protein kinase DCLK2-like
XP_004575088.1	serine/threonine-protein kinase DCLK2-like, partial
XP_002665631.3	serine/threonine-protein kinase DCLK3-like
NP_001003609.2	serine/threonine-protein kinase greatwall
XP_006634185.1	serine/threonine-protein kinase greatwall-like

XP_007055120.1 serine/threonine-protein kinase ICK
NP_001070127.1 serine/threonine-protein kinase Kist
XP_006634996.1 serine/threonine-protein kinase Kist-like
XP_005160369.1 serine/threonine-protein kinase LATS1 isoform X1
XP_005931632.1 serine/threonine-protein kinase LATS1-like isoform X1
XP_004054291.1 serine/threonine-protein kinase LATS2
XP_006635488.1 serine/threonine-protein kinase LMTK1-like
XP_683424.6 serine/threonine-protein kinase LMTK1-like isoform X2
XP_005164351.1 serine/threonine-protein kinase LMTK2-like isoform X1
XP_005162621.1 serine/threonine-protein kinase MAK isoform X2
XP_005981373.1 serine/threonine-protein kinase MARK1
NP_001273057.1 serine/threonine-protein kinase MARK1 isoform 4
XP_004914847.1 serine/threonine-protein kinase MARK1 isoform X2
XP_006115646.1 serine/threonine-protein kinase MARK1 isoform X8
XP_004077175.1 serine/threonine-protein kinase MARK1-like isoform 5
XP_003774254.1 serine/threonine-protein kinase MARK2
XP_686552.5 serine/threonine-protein kinase MARK2 isoform X1
XP_004554380.1 serine/threonine-protein kinase MARK2-like isoform X4
XP_006062498.1 serine/threonine-protein kinase MRCK alpha isoform X11
XP_005160808.1 serine/threonine-protein kinase MRCK alpha isoform X3
XP_005160809.1 serine/threonine-protein kinase MRCK alpha isoform X4
XP_005160810.1 serine/threonine-protein kinase MRCK alpha isoform X5
XP_003200361.2 serine/threonine-protein kinase MRCK alpha-like
XP_004542348.1 serine/threonine-protein kinase MRCK alpha-like isoform X7
NP_001038590.1 serine/threonine-protein kinase MRCK beta
XP_005160522.1 serine/threonine-protein kinase MRCK beta isoform X1
XP_006632373.1 serine/threonine-protein kinase MRCK beta-like
NP_001120949.1 serine/threonine-protein kinase MST4
NP_001070679.2 serine/threonine-protein kinase mTOR
XP_006642145.1 serine/threonine-protein kinase mTOR-like
XP_005730867.1 serine/threonine-protein kinase mTOR-like isoform X1
XP_005941712.1 serine/threonine-protein kinase mTOR-like isoform X3
XP_005160107.1 serine/threonine-protein kinase N1 isoform X1
XP_004539309.1 serine/threonine-protein kinase N1-like isoform X1
XP_005934525.1 serine/threonine-protein kinase N1-like isoform X3
XP_547295.4 serine/threonine-protein kinase N2
NP_001277108.1 serine/threonine-protein kinase N2 isoform 1
XP_003198687.1 serine/threonine-protein kinase N2 isoform X1
XP_005172016.1 serine/threonine-protein kinase N2 isoform X3
XP_006634873.1 serine/threonine-protein kinase N2-like
XP_004570595.1 serine/threonine-protein kinase N2-like isoform X1
XP_005478900.1 serine/threonine-protein kinase Nek1 isoform X1
XP_005160602.1 serine/threonine-protein kinase Nek1 isoform X3
XP_006753551.1 serine/threonine-protein kinase Nek1 isoform X4
XP_002665088.2 serine/threonine-protein kinase Nek10
XP_006635890.1 serine/threonine-protein kinase Nek10-like
XP_005158324.1 serine/threonine-protein kinase Nek11-like
XP_003200049.2 serine/threonine-protein kinase Nek3-like
NP_957306.1 serine/threonine-protein kinase Nek4
XP_006806463.1 serine/threonine-protein kinase Nek5-like
XP_005475334.1 serine/threonine-protein kinase Nek5-like isoform X2
XP_003200870.2 serine/threonine-protein kinase Nek6 isoform X1
XP_006634935.1 serine/threonine-protein kinase Nek7-like
XP_004553828.1 serine/threonine-protein kinase Nek7-like isoform X1
EMP37800.1 Serine/threonine-protein kinase Nek8
EPY81351.1 serine/threonine-protein kinase Nek9
XP_001337548.3 serine/threonine-protein kinase NIM1-like
XP_005155766.1 serine/threonine-protein kinase NIM1-like isoform X1
XP_004706994.1 serine/threonine-protein kinase NLK isoform X1
XP_005813653.1 serine/threonine-protein kinase NLK2-like
ERE67880.1 serine/threonine-protein kinase NLK-like protein
XP_006640990.1 serine/threonine-protein kinase NLK-like, partial
NP_001101664.1 serine/threonine-protein kinase OSR1
XP_006795181.1 serine/threonine-protein kinase OSR1-like
XP_006802761.1 serine/threonine-protein kinase OSR1-like isoform X1
XP_005323291.1 serine/threonine-protein kinase PAK 1 isoform X1
XP_006718635.1 serine/threonine-protein kinase PAK 1 isoform X3
XP_006809508.1 serine/threonine-protein kinase PAK 1-like
ELK17604.1 Serine/threonine-protein kinase PAK 2, partial
XP_003973905.1 serine/threonine-protein kinase PAK 2-like isoform 2
XP_006194438.1 serine/threonine-protein kinase PAK 3 isoform X1
XP_005641753.1 serine/threonine-protein kinase PAK 3 isoform X18
NP_001002222.1 serine/threonine-protein kinase PAK 4
XP_005160970.1 serine/threonine-protein kinase PAK 6 isoform X3
XP_003200338.1 serine/threonine-protein kinase PAK 6-like
XP_005805682.1 serine/threonine-protein kinase PAK 7-like
XP_005449808.1 serine/threonine-protein kinase PAK 7-like isoform X3
XP_005952902.1 serine/threonine-protein kinase pakA-like isoform X1
NP_001032789.2 serine/threonine-protein kinase pdik11

XP_003200637.2	serine/threonine-protein kinase pim-1
XP_691358.3	serine/threonine-protein kinase pim-1-like
XP_001345924.4	serine/threonine-protein kinase pim-2-like
XP_004885584.1	serine/threonine-protein kinase pim-3
XP_003198805.2	serine/threonine-protein kinase pim-3-like
XP_006641631.1	serine/threonine-protein kinase pim-3-like, partial
XP_005798977.1	serine/threonine-protein kinase PINK1, mitochondrial-like
NP_001003890.3	serine/threonine-protein kinase PLK1
NP_001092715.1	serine/threonine-protein kinase PLK2
NP_001112364.1	serine/threonine-protein kinase PLK4
XP_003962710.1	serine/threonine-protein kinase PLK4-like
XP_003968953.1	serine/threonine-protein kinase ppk15-like
NP_998614.1	serine/threonine-protein kinase PRP4 homolog
XP_005665597.1	serine/threonine-protein kinase PRP4 homolog isoform X1
NP_705929.1	serine/threonine-protein kinase receptor R3 precursor
NP_998160.1	serine/threonine-protein kinase RIO1
XP_006807104.1	serine/threonine-protein kinase RIO1-like
NP_998719.2	serine/threonine-protein kinase RIO2
NP_001003614.1	serine/threonine-protein kinase RIO3
XP_001341750.1	serine/threonine-protein kinase SBK1
XP_688256.4	serine/threonine-protein kinase SBK1-like
XP_684216.2	serine/threonine-protein kinase SBK1-like isoform 1
NP_954682.1	serine/threonine-protein kinase Sgk1
XP_005162356.1	serine/threonine-protein kinase Sgk1 isoform X1
XP_006631342.1	serine/threonine-protein kinase Sgk1-like
NP_001107094.1	serine/threonine-protein kinase Sgk2
NP_001103937.1	serine/threonine-protein kinase Sgk3
NP_001119855.1	serine/threonine-protein kinase SIK1
XP_696325.5	serine/threonine-protein kinase SIK2
XP_005945951.1	serine/threonine-protein kinase SIK2-like
XP_005427709.1	serine/threonine-protein kinase SIK2-like, partial
XP_006642216.1	serine/threonine-protein kinase SIK3 homolog
NP_001073513.2	serine/threonine-protein kinase SMG1
XP_006637372.1	serine/threonine-protein kinase SMG1-like
XP_006235964.1	serine/threonine-protein kinase SRPK2 isoform X3
NP_001158810.1	Serine/threonine-protein kinase SRPK3
NP_001017839.1	serine/threonine-protein kinase STK11
XP_006640982.1	serine/threonine-protein kinase TAO1-like
XP_005156061.1	serine/threonine-protein kinase TAO2 isoform X1
XP_005156062.1	serine/threonine-protein kinase TAO2 isoform X2
ETE67077.1	Serine/threonine-protein kinase TAO2, partial
XP_006805816.1	serine/threonine-protein kinase TAO2-like
XP_004574667.1	serine/threonine-protein kinase TAO2-like isoform X1
XP_001922665.3	serine/threonine-protein kinase TAO3 isoform X1
XP_004072162.1	serine/threonine-protein kinase TAO3-like
XP_004429424.1	serine/threonine-protein kinase TBK1
XP_005168556.1	serine/threonine-protein kinase TBK1 isoform X1
XP_005285574.1	serine/threonine-protein kinase TNNI3K
XP_006731863.1	serine/threonine-protein kinase tousled-like 1
NP_001020122.1	serine/threonine-protein kinase tousled-like 1-B
XP_004557772.1	serine/threonine-protein kinase tousled-like 1-B-like
XP_006636582.1	serine/threonine-protein kinase tousled-like 1-like isoform X1
NP_001103887.1	serine/threonine-protein kinase tousled-like 2
XP_002665971.2	serine/threonine-protein kinase ULK1 isoform X1
XP_005161178.1	serine/threonine-protein kinase ULK1 isoform X2
XP_005161179.1	serine/threonine-protein kinase ULK1 isoform X3
XP_004075030.1	serine/threonine-protein kinase ULK1-like
XP_002664661.3	serine/threonine-protein kinase ULK2
NP_001082941.1	serine/threonine-protein kinase ULK3
XP_004067500.1	serine/threonine-protein kinase ULK3-like
XP_002664829.3	serine/threonine-protein kinase ULK4
XP_001921300.3	serine/threonine-protein kinase ULK4-like
ACI68579.1	Serine/threonine-protein kinase VRK1
XP_006632322.1	serine/threonine-protein kinase VRK1-like
NP_957464.1	serine/threonine-protein kinase VRK2
XP_695795.6	serine/threonine-protein kinase WNK1
XP_005164605.1	serine/threonine-protein kinase WNK1 isoform X1
XP_005164610.1	serine/threonine-protein kinase WNK1 isoform X6
ETE61641.1	Serine/threonine-protein kinase WNK1, partial
XP_005927285.1	serine/threonine-protein kinase WNK1-like isoform X7
XP_006810190.1	serine/threonine-protein kinase WNK1-like, partial
XP_005448752.1	serine/threonine-protein kinase WNK2-like
XP_004546203.1	serine/threonine-protein kinase WNK2-like isoform X6
XP_005939021.1	serine/threonine-protein kinase WNK2-like isoform X8
XP_005914856.1	serine/threonine-protein kinase WNK3-like isoform X3
XP_685164.4	serine/threonine-protein kinase WNK4
XP_006638258.1	serine/threonine-protein kinase WNK4-like
XP_005725931.1	serine/threonine-protein kinase WNK4-like isoform X1
XP_002663933.3	serine/threonine-protein kinase WNK4-like, partial

XP_001919350.3 serine/threonine-protein kinase/endoribonuclease IRE1
 XP_006796259.1 serine/threonine-protein kinase/endoribonuclease IRE1-like
 XP_003978972.1 serine/threonine-protein kinase/endoribonuclease IRE1-like, partial
 NP_997733.2 serine/threonine-protein phosphatase 1 regulatory subunit 10
 XP_007094029.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform
 XP_003477366.2 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform
 XP_005886046.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform isoform X1
 XP_005440746.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform isoform X2
 ETE72184.1 Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform, partial
 XP_006630571.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B delta isoform-like
 XP_687821.6 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B gamma isoform-like
 XP_005805072.1 serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B gamma isoform-like isoform X2
 XP_002154794.2 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform-like
 XP_690770.2 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform-like
 NP_998483.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform
 NP_001133841.1 Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform
 XP_004082806.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform-like
 XP_006110818.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform-like isoform X1
 XP_005160955.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform isoform X2
 XP_005160957.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform isoform X4
 XP_004542142.1 serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform-like isoform X1
 XP_006642255.1 serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform-like
 XP_007061131.1 serine/threonine-protein phosphatase 2A activator isoform X2
 XP_003310895.2 serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform-like
 ERE73055.1 serine/threonine-protein phosphatase 2A regulatory subunit alpha isoform
 NP_001188071.1 serine/threonine-protein phosphatase 2a regulatory subunit b'
 XP_005163462.1 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha isoform X1
 XP_003962449.1 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha-like
 XP_694390.3 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit beta isoform X4
 NP_956425.1 serine/threonine-protein phosphatase 2A regulatory subunit B" subunit gamma
 NP_001017856.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha
 XP_004617691.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
 XP_006782238.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform-like isoform X2
 XP_005472199.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform-like isoform X5
 XP_005472200.1 serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform-like isoform X6
 XP_004630784.1 serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform
 XP_005472985.1 serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform isoform X3
 ADO27943.1 serine/threonine-protein phosphatase 4 catalytic subunit b
 XP_006038511.1 serine/threonine-protein phosphatase 4 catalytic subunit B-like
 NP_956554.1 serine/threonine-protein phosphatase 4 regulatory subunit 1
 NP_001108612.1 serine/threonine-protein phosphatase 4 regulatory subunit 2-A
 XP_006630666.1 serine/threonine-protein phosphatase 4 regulatory subunit 2-like
 NP_001038274.1 serine/threonine-protein phosphatase 4 regulatory subunit 3
 XP_005160669.1 serine/threonine-protein phosphatase 4 regulatory subunit 4 isoform X2
 XP_696336.5 serine/threonine-protein phosphatase 4 regulatory subunit 4 isoform X3
 NP_001014372.2 serine/threonine-protein phosphatase 5
 XP_005813074.1 serine/threonine-protein phosphatase 5-like
 XP_006158321.1 serine/threonine-protein phosphatase 6 catalytic subunit
 XP_689244.2 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
 XP_006133303.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A isoform X1
 XP_005317302.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A isoform X2
 XP_006635818.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A-like
 XP_006801481.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A-like isoform X1
 XP_005167840.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B isoform X1
 XP_005167842.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B isoform X3
 XP_689875.3 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B isoform X4
 XP_005933448.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B-like
 XP_006805877.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B-like isoform X1
 XP_005311169.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C
 XP_006629400.1 serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C-like
 NP_001020680.1 serine/threonine-protein phosphatase 6 regulatory subunit 2
 XP_004069717.1 serine/threonine-protein phosphatase 6 regulatory subunit 2-like
 XP_005802064.1 serine/threonine-protein phosphatase 6 regulatory subunit 2-like isoform X2
 XP_005454305.1 serine/threonine-protein phosphatase 6 regulatory subunit 3 isoform X2
 XP_005933407.1 serine/threonine-protein phosphatase PGAM5, mitochondrial-like isoform X3
 XP_005073697.1 serine/threonine-protein phosphatase PP1-beta catalytic subunit
 XP_006642909.1 serine/threonine-protein phosphatase PP1-beta catalytic subunit-like
 XP_004082250.1 serine/threonine-protein phosphatase PP1-beta catalytic subunit-like isoform 2
 XP_005403222.1 serine/threonine-protein phosphatase PP1-gamma catalytic subunit

XP_003793767.1 serine/threonine-protein phosphatase PP1-gamma catalytic subunit-like
 NP_001108202.1 serine/threonine-protein phosphatase with EF-hands 2
 XP_005169427.1 serine/threonine-protein phosphatase with EF-hands 2 isoform X3
 XP_004072143.1 serine/threonine-protein phosphatase with EF-hands 2-like
 XP_005456297.1 serine/threonine-protein phosphatase with EF-hands 2-like isoform X2
 XP_001344262.5 serine/threonine-protein phosphatase with EF-hands 2-like, partial
 XP_002664603.2 serine-protein kinase ATM, partial
 XP_002666588.2 serine-protein kinase ATM-like
 ACI33737.1 Serine--pyruvate aminotransferase, mitochondrial precursor
 XP_004552509.1 serine-rich adhesin for platelets-like
 XP_004566564.1 serine-rich adhesin for platelets-like isoform X4
 XP_001335269.5 serine-rich coiled-coil domain-containing protein 1
 XP_005156165.1 serine-rich coiled-coil domain-containing protein 2-like
 AAK01368.1 serine-threonine kinase receptor-associated protein
 XP_004564824.1 serine-threonine kinase receptor-associated protein-like isoform X1
 XP_005751771.1 serine--tRNA ligase, mitochondrial-like
 NP_001167106.1 Serologically defined colon cancer antigen 1 homolog
 NP_001103754.2 serologically defined colon cancer antigen 3 homolog
 XP_006638497.1 serologically defined colon cancer antigen 8 homolog
 XP_685025.5 serologically defined colon cancer antigen 8 homolog isoformX2
 EAW77088.1 serologically defined colon cancer antigen 8, isoform CRA_d, partial
 XP_005166221.1 serotonin N-acetyltransferase isoform X1
 AGO58872.1 serpin peptidase inhibitor A, partial
 XP_005157780.1 serpin peptidase inhibitor, clade H (heat shock protein 47), member 1b isoform X1
 AAH62869.1 Serpina1 protein, partial
 NP_775345.2 serrate RNA effector molecule homolog
 XP_005156844.1 SERTA domain-containing protein 2 isoform X1
 XP_005157012.1 SERTA domain-containing protein 4 isoform X2
 ACQ58309.1 Serum amyloid P-component precursor
 XP_003451058.1 serum amyloid P-component-like
 NP_001263999.1 serum deprivation response a
 XP_005812200.1 serum deprivation-response protein-like, partial
 XP_004541600.1 serum paraoxonase/arylesterase 2-like
 XP_005174111.1 serum response factor a isoform X1
 XP_006806710.1 serum response factor-binding protein 1-like isoform X2
 XP_005473953.1 serum response factor-like isoform X2
 NP_001070032.1 serum/glucocorticoid regulated kinase 2b
 AAY86956.1 seryl-tRNA synthetase
 BAI44435.1 seryl-tRNA synthetase 2
 NP_001003882.1 seryl-tRNA synthetase, cytoplasmic
 NP_957473.1 seryl-tRNA synthetase, mitochondrial
 AAI34177.1 Sesn2 protein
 XP_693644.2 sesquipedalian-1 isoform X2
 NP_001073444.1 sestrin 2
 NP_001002660.1 sestrin-1
 XP_003199953.1 sestrin-3-like
 NP_991103.1 SET and MYND domain containing 1
 NP_001034725.1 SET and MYND domain-containing protein 1
 NP_001032477.1 SET and MYND domain-containing protein 3
 XP_005169225.1 SET and MYND domain-containing protein 4 isoform X1
 NP_001004614.2 SET and MYND domain-containing protein 5
 AAI71599.1 SET domain and mariner transposase fusion gene
 AAI55279.1 SET domain containing 3
 NP_001039027.1 SET domain-containing protein 4
 XP_005166298.1 SET domain-containing protein 5 isoform X2
 XP_004069049.1 SET domain-containing protein 5-like
 XP_001332805.2 SET domain-containing protein 9-like isoform X1
 ABC88478.1 SET domain bifurcated 1 b
 XP_006797390.1 set1/Ash2 histone methyltransferase complex subunit ASH2-like isoform X2
 XP_005165732.1 SET-binding protein isoform X1
 AFW98247.1 sevatoxin-neurophysin precursor
 XP_003199550.1 sex comb on midleg-like protein 2 isoform X1
 XP_006639120.1 sex comb on midleg-like protein 2-like
 XP_005160828.1 sex comb on midleg-like protein 4-like isoform X2
 NP_001007152.1 sex hormone binding globulin precursor
 BAE48780.1 sex hormone-binding globulin type-I
 BAE48781.1 sex hormone-binding globulin type-II
 AAI63938.1 Sf1 protein
 ADO28348.1 s-formylglutathione hydrolase
 AAI14253.1 Sft2d3 protein
 XP_005326413.1 SH2 domain-containing adapter protein B
 XP_689987.3 SH2 domain-containing adapter protein E
 XP_004539684.1 SH2 domain-containing adapter protein F-like isoform X2
 XP_006632817.1 SH2 domain-containing protein 1A-like
 XP_005742064.1 SH2 domain-containing protein 1A-like isoform X1
 NP_001187922.1 sh2 domain-containing protein 1b
 XP_005155664.1 SH2 domain-containing protein 3C isoform X1
 XP_005155665.1 SH2 domain-containing protein 3C isoform X2
 XP_006640679.1 SH2 domain-containing protein 3C-like

XP_003976836.1	SH2 domain-containing protein 3C-like, partial
NP_001133980.1	SH2 domain-containing protein 4A
XP_002664220.3	SH2 domain-containing protein 4B
XP_002663532.2	SH2 domain-containing protein 4B isoform X1
XP_006630995.1	SH2 domain-containing protein 4B-like
XP_005169462.1	SH2 domain-containing protein 5 isoform X2
XP_006789359.1	SH2 domain-containing protein 7-like
NP_001103925.1	SH2B adapter protein 1
XP_005163875.1	SH2B adapter protein 1 isoform X1
XP_006795441.1	SH2B adapter protein 2-like
XP_003198643.1	SH2B adapter protein 3
XP_006638324.1	SH3 and cysteine-rich domain-containing protein 2-like
XP_004552370.1	SH3 and cysteine-rich domain-containing protein 2-like isoform X1
XP_005726165.1	SH3 and cysteine-rich domain-containing protein 2-like isoform X2
NP_001003505.1	SH3 and cysteine-rich domain-containing protein 3
XP_001344470.4	SH3 and cysteine-rich domain-containing protein-like
NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
XP_005174391.1	SH3 and multiple ankyrin repeat domains 2 isoform X1
XP_005174392.1	SH3 and multiple ankyrin repeat domains 2 isoform X2
XP_005170697.1	SH3 and multiple ankyrin repeat domains protein 1-like
XP_003198170.2	SH3 and multiple ankyrin repeat domains protein 1-like isoform X1
XP_005469048.1	SH3 and multiple ankyrin repeat domains protein 1-like isoform X4
XP_004383933.1	SH3 and multiple ankyrin repeat domains protein 2
ETE67895.1	SH3 and multiple ankyrin repeat domains protein 2, partial
XP_006642721.1	SH3 and multiple ankyrin repeat domains protein 2-like
XP_006808279.1	SH3 and multiple ankyrin repeat domains protein 2-like isoform X3
XP_003198290.1	SH3 and multiple ankyrin repeat domains protein 3 isoform X1
XP_005164655.1	SH3 and multiple ankyrin repeat domains protein 3 isoform X2
XP_005802122.1	SH3 and multiple ankyrin repeat domains protein 3-like
XP_003200477.2	SH3 and multiple ankyrin repeat domains protein 3-like, partial
XP_006273721.1	SH3 and PX domain-containing protein 2A
XP_005171051.1	SH3 and PX domain-containing protein 2A isoform X1
XP_005797684.1	SH3 and PX domain-containing protein 2A-like
XP_005919368.1	SH3 and PX domain-containing protein 2A-like isoform X3
XP_005170345.1	SH3 and PX domain-containing protein 2B isoform X2
XP_006631880.1	SH3 and PX domain-containing protein 2B-like
XP_005727804.1	SH3 and PX domain-containing protein 2B-like isoform X1
XP_005166551.1	SH3 domain and tetratricopeptide repeat-containing protein 1 isoform X2
XP_005173354.1	SH3 domain and tetratricopeptide repeat-containing protein 2 isoform X5
XP_003200002.2	SH3 domain and tetratricopeptide repeat-containing protein 2, partial
XP_006631791.1	SH3 domain and tetratricopeptide repeat-containing protein 2-like
XP_005916508.1	SH3 domain and tetratricopeptide repeat-containing protein 2-like isoform X1
NP_001188088.1	sh3 domain-binding glutamic acid-rich-like protein 2
NP_001188132.1	sh3 domain-binding glutamic acid-rich-like protein 3
XP_001345357.4	SH3 domain-binding protein 1-like
XP_005155640.1	SH3 domain-binding protein 2-like isoform X3
XP_005161754.1	SH3 domain-binding protein 4-A isoform X1
XP_682769.5	SH3 domain-binding protein 5
XP_005940928.1	SH3 domain-binding protein 5-like
XP_002666707.3	SH3 domain-containing kinase-binding protein 1 isoform X1
XP_005161482.1	SH3 domain-containing kinase-binding protein 1-like isoform X1
XP_003197695.2	SH3 domain-containing protein 19
XP_003972512.1	SH3 domain-containing protein 19-like
XP_003765749.1	SH3 domain-containing RING finger protein 3, partial
XP_006638084.1	SH3 domain-containing RING finger protein 3-like
XP_694886.2	SH3 domain-containing YSC84-like protein 1
XP_004746009.1	SH3 domain-containing YSC84-like protein 1-like
XP_687006.2	SH3-binding domain protein 5-like, b isoform X2
XP_005165952.1	SH3-containing GRB2-like protein 3-interacting protein 1-like
NP_001116767.1	SH3-domain binding protein 4
XP_006225471.1	SH3-domain GRB2-like (endophilin) interacting protein 1 isoform X9
XP_005163364.1	SH3-domain GRB2-like endophilin B1 isoform X1
XP_005163365.1	SH3-domain GRB2-like endophilin B1 isoform X2
XP_001920935.4	SH3KBP1-binding protein 1
NP_945332.2	shadow of prion protein precursor
XP_003201808.1	shaker-related potassium channel tsha2-like
NP_956137.1	SHC SH2 domain-binding protein 1
XP_007066346.1	SHC SH2 domain-binding protein 1-like
XP_004948324.1	SHC-transforming protein 1 isoform X15
XP_005170518.1	SHC-transforming protein 2 isoform X1
XP_005170521.1	SHC-transforming protein 2 isoform X4
XP_006131953.1	SHC-transforming protein 3 isoform X3
XP_002665883.2	SHC-transforming protein 3-like
AAH66496.1	Shmt1 protein
XP_685212.4	shootin-1
XP_006632100.1	shootin-1-like
XP_005937142.1	shootin-1-like isoform X4
XP_005919200.1	short coiled-coil protein A-like isoform X1
EMP32738.1	Short stature homeobox protein 2

XP_005894077.1 short stature homeobox protein 2-like
 XP_005167911.1 short stature homeobox protein isoform X1
 NP_001185590.1 short transient receptor potential channel 1
 XP_003439260.1 short transient receptor potential channel 1 isoform X1
 XP_006795150.1 short transient receptor potential channel 1-like
 XP_005798650.1 short transient receptor potential channel 1-like isoform X1
 XP_006628204.1 short transient receptor potential channel 2-like
 XP_005555900.1 short transient receptor potential channel 3 isoform X1
 XP_005555903.1 short transient receptor potential channel 3 isoform X4
 XP_005174612.1 short transient receptor potential channel 3-like
 XP_001920781.2 short transient receptor potential channel 4
 XP_004560648.1 short transient receptor potential channel 4-like
 XP_004550158.1 short transient receptor potential channel 4-like isoform X1
 XP_005594456.1 short transient receptor potential channel 5 isoform X2
 XP_002665445.2 short transient receptor potential channel 6
 XP_005161247.1 short transient receptor potential channel 6 isoform X1
 XP_004076431.1 short transient receptor potential channel 6-like
 XP_006632082.1 short transient receptor potential channel 7-like
 XP_003756488.1 short transient receptor potential channel 7-like, partial
 XP_005919600.1 short/branched chain specific acyl-CoA dehydrogenase, mitochondrial-like
 XP_005100424.1 short/branched chain specific acyl-CoA dehydrogenase, mitochondrial-like isoform X2
 NP_001099077.1 short-chain dehydrogenase/reductase 10 precursor
 XP_005141741.1 short-chain dehydrogenase/reductase 3
 XP_004547505.1 short-chain dehydrogenase/reductase 3-like
 NP_001003743.1 short-chain specific acyl-CoA dehydrogenase, mitochondrial
 XP_006640225.1 short-chain specific acyl-CoA dehydrogenase, mitochondrial-like

 Q2I6J1.2 SHP2A_DANRE RecName: Full=Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A;
 AltName: Full=Inositol polyphosphate phosphatase-like protein 1A; Short=INPPL1-A; AltName:
 Full=SH2 domain-containing inositol 5'-phosphatase 2A; Short=SH2 domain-containing inositol
 phosphatase 2A; Short=SHIP-2A

 AFW98423.1 Shroom3v1
 CAD52128.1 Sl:bY113D7.1 (solute carrier family 40 (iron-regulated transporter), member 1)
 CAD58737.1 Sl:bY184L24.4 (novel protein)
 NP_001138258.1 si:ch1073-126c3.2 precursor
 XP_002666586.1 si:ch1073-228b5.2
 AAH95730.1 Si:ch211-101i18.3 protein, partial
 XP_005172001.1 si:ch211-102c2.5 isoform X2
 AAI55214.1 Si:ch211-103f16.2 protein
 AAI34974.1 Si:ch211-105d11.3
 NP_001243569.1 si:ch211-105j21.7
 XP_697747.4 si:ch211-107m4.1
 AAI34979.1 Si:ch211-107o23.1 protein
 NP_001139237.1 si:ch211-10a23.2
 XP_005171349.1 si:ch211-119o8.6 isoform X1
 XP_003199321.2 si:ch211-122m3.1 isoform X1
 XP_005155581.1 si:ch211-122m3.1 isoform X2
 XP_694417.5 si:ch211-124e16.2
 AAI16619.1 Si:ch211-132b12.5 protein
 XP_005170027.1 si:ch211-136a13.1 isoform X1
 AAI16606.1 Si:ch211-13n20.1
 XP_005174089.1 si:ch211-140f21.1 isoform X1
 XP_005174090.1 si:ch211-140f21.1 isoform X2
 AAI54252.1 Si:ch211-147a11.3 protein
 XP_700204.4 si:ch211-149i1.2 isoform X4
 AAI62161.1 Si:ch211-149p10.2
 AAI63561.1 Si:ch211-152c12.2 protein
 XP_683586.2 si:ch211-153a8.4
 XP_005158066.1 si:ch211-154o6.2 isoform X1
 AAI53394.1 Si:ch211-154o6.6 protein
 AAI71494.1 Si:ch211-15i6.4 protein
 NP_001139173.1 si:ch211-168h21.3
 AAI24748.1 Si:ch211-181h6.2 protein
 NP_001170918.1 si:ch211-188c16.1
 XP_003200686.2 si:ch211-193k19.1 isoform X1
 AAI35063.1 Si:ch211-194e15.1 protein
 XP_686502.2 si:ch211-195e3.4
 XP_003201082.2 si:ch211-197g15.12 isoform X1
 NP_001076384.1 si:ch211-199g17.3
 XP_005174176.1 si:ch211-200e2.1 isoform X1
 AAI34976.1 Si:ch211-203h15.1 protein
 NP_001139062.1 si:ch211-206k20.5
 AAI54341.1 Si:ch211-208e9.4 protein
 XP_005171010.1 si:ch211-208h7.4 isoform X1
 XP_693816.5 si:ch211-208h7.4 isoform X2
 XP_005170331.1 si:ch211-208m1.2 isoform X1
 XP_002661169.2 si:ch211-210g13.5
 AAI54248.1 Si:ch211-215a10.4 protein
 XP_001337969.2 si:ch211-218c6.8
 NP_001156319.1 si:ch211-225p5.3 precursor

AAH92871.1	Si:ch211-234f20.3 protein
XP_694682.6	si:ch211-239f4.1
AAI55855.1	Si:ch211-239h19.1 protein
AAI16507.1	Si:ch211-242m18.4 protein
XP_005160902.1	si:ch211-243j20.2 isoform X2
AAI71604.1	Si:ch211-244b2.1
AAH91796.1	Si:ch211-244b2.4
AAI53892.1	Si:ch211-244o22.2 protein
AAH65329.1	Si:ch211-245g11.2 protein
AAI59229.1	Si:ch211-245h14.3 protein
XP_005167241.1	si:ch211-248d20.2
NP_001264375.1	si:ch211-250b22.7
NP_001138274.1	si:ch211-251b21.1 precursor
XP_690079.3	si:ch211-260b17.6
XP_005163681.1	si:ch211-267e7.3 isoform X1
XP_696251.5	si:ch211-267e7.3 isoform X2
CAM60074.1	si:ch211-278n20.1
XP_005160175.1	si:ch211-281g13.4 isoform X1
XP_696369.5	si:ch211-287c11.1
XP_686696.2	si:ch211-288d18.1
AAI39508.1	Si:ch211-63o20.5
XP_003198203.1	si:ch211-66h3.1
AAI62916.1	Si:ch211-67e16.9 protein
XP_005165104.1	si:ch211-89f7.1 isoform X1
AAH56735.1	Si:ch211-89p1.3 protein
AAI55643.1	Si:ch211-93f2.1 protein
NP_001265527.1	si:ch73-127m5.2
NP_001093499.1	si:ch73-252g14.4
NP_001272317.1	si:ch73-281f12.4
XP_001923918.1	si:ch73-381f5.3 isoform X2
NP_001139084.1	si:ch73-41e3.7
XP_700512.6	si:ch73-96b22.2
XP_001332705.1	si:dkey-100n23.5 isoform X1
XP_689096.5	si:dkey-101k6.3
AAI71478.1	Si:dkey-102f14.5
AAI55834.1	Si:dkey-10p5.7
XP_005162816.1	si:dkey-11p10.8 isoform X1
XP_689158.6	si:dkey-11p10.8 isoform X3
AAH44565.1	Si:dkey-11p23.2 protein
AAI51898.1	Si:dkey-12h3.1 protein
XP_005173730.1	si:dkey-149j18.1 isoform X2
XP_689495.2	si:dkey-149j18.1 isoform X3
CAM73201.1	si:dkey-15j16.3
AAI24376.1	Si:dkey-172m14.1 protein
AAI16479.1	Si:dkey-180p18.2
NP_001122014.1	si:dkey-189g17.2
AAI46716.1	Si:dkey-202b22.2
NP_001076364.1	si:dkey-21lg8.6
AAI28827.1	Si:dkey-218h11.4 protein
XP_005174086.1	si:dkey-21e7.2 isoform X1
XP_001336203.2	si:dkey-220k22.1
XP_005159807.1	si:dkey-228a15.3 isoform X1
NP_999963.1	si:dkey-235k4.1
AAI55135.1	Si:dkey-239j20.2
AAH91665.1	Si:dkey-23n7.9 protein
AAI61661.1	Si:dkey-246a16.2 protein
AAI34857.1	Si:dkey-24p1.5 protein
AAI71396.1	Si:dkey-25f3.3
XP_690066.1	si:dkey-261e22.1
XP_697494.6	si:dkey-266m15.6
XP_699903.5	si:dkey-267i17.6
XP_005173552.1	si:dkey-269d20.3 isoform X1
XP_001335195.1	si:dkey-26c10.5 isoform X1
AAH96883.1	Si:dkey-276i5.1 protein
XP_003200651.2	si:dkey-27c15.3
AAI39618.1	Si:dkey-286j20.1 protein
XP_693201.3	si:dkey-287h13.1
NP_001104304.1	si:dkey-29d8.3
XP_005167422.1	si:dkey-32e23.4 isoform X1
AAH97231.1	Si:dkey-33c12.3 protein
NP_001155071.1	si:dkey-33c12.4
XP_002665174.2	si:dkey-36g24.3
AAI24280.1	Si:dkey-42i9.6 protein
AAH59675.1	Si:dkey-46a10.3 protein
NP_001274468.1	si:dkey-56n2.1 precursor
NP_001020700.2	si:dkey-5g7.3
XP_699016.3	si:dkey-5n18.1
AAI53312.1	Si:dkey-69h6.7 protein
CAP71925.1	si:dkey-81p7.13

AAI33988.1 Si:dkey-86e18.1 protein
AAI15309.1 Si:dkey-8113.4 protein
XP_005167625.1 si:dkey-91i10.2 isoform X1
XP_005167627.1 si:dkey-91i10.2 isoform X3
AAH90742.1 Si:dkey-91i17.1 protein
XP_695803.5 si:dkey-96i17.6
AAI55758.1 Si:dkey-98f17.2 protein
NP_001116178.1 si:dkey-98f17.3
AAI15130.1 Si:dkey-98p3.7
XP_001337454.1 si:dkeyp-110e4.11
AAI51861.1 Si:dkeyp-114g9.1
XP_005156149.1 si:dkeyp-118b1.2 isoform X1
AAH67657.1 Si:dkeyp-20e4.1 protein
AAH91914.1 Si:dkeyp-26a9.1 protein
AAI42600.1 Si:dkeyp-34c12.2 protein
AAI59102.1 Si:dkeyp-72h1.1 protein
XP_001334729.4 si:dkeyp-7a3.2 isoform X1
AAI09415.1 Si:dkeyp-95d10.1 protein, partial
CAE17588.1 SI:dZ119J18.2 (novel protein similar to rat kinase D-interacting substance of 220 kDa (KIDINS220))
CAD60684.1 SI:dZ186K12.1 (multiple endocrine neoplasia type 1 (menin 1))
CAD60683.1 SI:dZ186K12.2 (novel protein kinase)
CAD59113.1 SI:dZ254O17.3 (homeo box protein B6a)
CAD87797.1 SI:dZ37K09.1 (contactin 2)
CAE30375.1 SI:dZ63M10.4 (novel protein similar to human chromosome 21 open reading frame 18 (C21orf18))

CAD61102.1 SI:dZ73O4.2 (novel protein similar to human signal transducer and activator of transcription (STAT))
CAE17636.1 SI:dZ99M4.1 (novel protein with immunoglobulin domain)
AAI53426.1 Si:rp71-1c10.3 protein
AAI55056.1 Si:rp71-1g18.10 protein
NP_001189372.1 si:rp71-1p14.10
AAI22322.1 Si:rp71-45k5.3 protein
NP_001122146.1 si:rp71-45k5.4
NP_001106903.1 sia-alpha-2,3-Gal-beta-1,4-GlcNAc-R:alpha 2,8-sialyltransferase
NP_001037796.1 sialate O-acetyltransferase precursor
ADO28081.1 sialic acid synthase
XP_006629790.1 sialic acid synthase-like
XP_005164524.1 sialic acid-binding Ig-like lectin 14-like
NP_001095865.1 sialic acid-binding Ig-like lectin 15 precursor
XP_005161262.1 sialidase 3, tandem duplicate 1 isoform X1
NP_001038374.1 sialidase-1 precursor
NP_001018384.1 sialidase-4
NP_001167306.1 Sialin
XP_005159826.1 sialin-like isoform X2
XP_001919822.4 sialoadhesin
XP_003200285.2 sialoadhesin-like
XP_005154841.1 sialomucin core protein 24

Q701R2.1 SIAT2_DANRE RecName: Full=Beta-galactoside alpha-2,6-sialyltransferase 2; Short=Alpha 2,6-ST 2; AltName: Full=CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 2; AltName: Full=ST6Gal II; Short=ST6GalII; AltName: Full=Sialyltransferase 2

CBN82026.1 Sickle tail protein homolog
XP_005163498.1 sickle tail protein homolog isoform X1
XP_005162646.1 sickle tail protein homolog isoform X5
XP_005162647.1 sickle tail protein homolog isoform X6
XP_003449377.1 SID1 transmembrane family member 2 isoform X1
XP_004176740.1 SID1 transmembrane family member 2, partial
XP_004076027.1 SID1 transmembrane family member 2-like isoform 2
NP_001230238.1 sideroflexin 5
ADO27796.1 sideroflexin-1
XP_005921268.1 sideroflexin-1-like isoform X1
XP_003441785.1 sideroflexin-2-like
NP_001070130.1 sideroflexin-4
NP_001025334.1 sideroflexin-5
NP_957271.1 sigma non-opioid intracellular receptor 1
XP_006627314.1 sigma non-opioid intracellular receptor 1-like
XP_006104789.1 signal peptidase complex catalytic subunit SEC11A isoform X1
ACI68075.1 Signal peptidase complex subunit 3
NP_001167297.1 Signal peptide peptidase-like 2A precursor
XP_006628751.1 signal peptide peptidase-like 2A-like
XP_003437734.1 signal peptide peptidase-like 2A-like isoform X1
NP_001038709.1 signal peptide peptidase-like 2B isoform 2 precursor
ERE68623.1 signal peptide peptidase-like 2C-like protein
XP_004664073.1 signal peptide peptidase-like 3
NP_001247429.1 signal peptide, CUB and EGF-like domain-containing protein 1 precursor
ETE60049.1 Signal peptide, CUB and EGF-like domain-containing protein 1, partial
XP_006633159.1 signal peptide, CUB and EGF-like domain-containing protein 1-like
XP_006780244.1 signal peptide, CUB and EGF-like domain-containing protein 2-like isoform X3

NP_001247430.1 signal peptide, CUB and EGF-like domain-containing protein 3 precursor
 XP_003963528.1 signal peptide, CUB and EGF-like domain-containing protein 3-like
 XP_005926273.1 signal peptide, CUB and EGF-like domain-containing protein 3-like isoform X1
 XP_005166447.1 signal peptide, CUB domain, EGF-like 2 isoform X1
 XP_005166449.1 signal peptide, CUB domain, EGF-like 2 isoform X3
 NP_001028913.1 signal recognition particle 14 kDa protein
 NP_001187797.1 signal recognition particle 19 kDa protein
 XP_004065567.1 signal recognition particle 68 kDa protein-like
 XP_003970714.1 signal recognition particle 72 kDa protein-like
 XP_005931134.1 signal recognition particle 9 kDa protein-like isoform X2
 XP_006111336.1 signal recognition particle receptor subunit alpha
 XP_006642228.1 signal recognition particle receptor subunit alpha-like
 ACI69517.1 Signal recognition particle receptor subunit beta
 NP_001188152.1 signal recognition particle receptor, B subunit
 XP_006635272.1 signal recognition particle subunit SRP68-like
 XP_006787630.1 signal recognition particle subunit SRP68-like, partial
 ABC75558.1 signal sequence receptor delta
 AAO88245.1 signal transducer and activator of transcription 1
 NP_571555.1 signal transducer and activator of transcription 1-alpha/beta
 XP_002194469.1 signal transducer and activator of transcription 1-like
 NP_001258730.1 signal transducer and activator of transcription 2
 XP_005163850.1 signal transducer and activator of transcription 3 isoform X1
 XP_005163852.1 signal transducer and activator of transcription 3 isoform X3
 XP_005167937.1 signal transducer and activator of transcription 4 isoform X1
 XP_005167938.1 signal transducer and activator of transcription 4 isoform X2
 NP_001117733.1 signal transducer and activator of transcription 5
 ACK75717.1 signal transducer and activator of transcription 5b
 XP_005478170.1 signal transducer and activator of transcription 5B-like isoform X2
 ACU12488.1 signal transducer and activator of transcription 6
 XP_005167887.1 signal transducing adapter molecule 2 isoform X1
 NP_942103.1 signal transducing adaptor family member 2
 XP_005168477.1 signal transducing adaptor family member 2 isoform X1
 AAH60933.1 Signal transduction and activation of transcription 1a
 XP_005160795.1 signal-induced proliferation-associated 1 like 1 isoform X3
 NP_001268721.1 signal-induced proliferation-associated 1-like protein 1
 XP_006632500.1 signal-induced proliferation-associated 1-like protein 1-like
 XP_005172436.1 signal-induced proliferation-associated 1-like protein 2-like isoform X4
 XP_005924792.1 signaling threshold-regulating transmembrane adapter 1-like isoform X1
 Q6NSM8.1 SIK3_DANRE RecName: Full=Serine/threonine-protein kinase SIK3 homolog; AltName:
 Full=Serine/threonine-protein kinase QSK homolog
 AAI63448.1 Silva protein
 AAI62523.1 Similar to cytochrome b561
 BAF37940.1 Similar to DCC-interacting protein 13a
 AAI55055.1 Similar to Eph-like receptor tyrosine kinase rtk5
 AAP06232.1 similar to GenBank Accession Number AB073376 non-LTR retrotransposable element partially
 supported by GENSCAN in Oryzias latipes
 XP_001807436.1 similar to mitogen-activated protein kinase kinase kinase 2-like
 EDL97097.1 similar to Ubiquitin-like protein SMT3A precursor (Ubiquitin-related protein SUMO-2), isoform
 CRA_c
 ELW63861.1 Sin3 histone deacetylase corepressor complex component SDS3
 XP_005743179.1 sin3 histone deacetylase corepressor complex component SDS3-like
 NP_001243552.1 Sin3A-associated protein b
 NP_957014.1 sin3-associated polypeptide
 ABM55679.1 sine oculis homeobox homolog 3
 AAH59414.1 Sine oculis homeobox homolog 3a
 XP_005160567.1 sine oculis homeobox homolog 4b isoform X1
 NP_001092088.1 sine oculis-binding protein homolog
 XP_006792588.1 sine oculis-binding protein homolog isoform X2
 NP_001124115.1 single stranded DNA binding protein 3a
 XP_005166866.1 single stranded DNA binding protein 3b isoform X1
 XP_004372476.1 single-minded homolog 1
 NP_835740.1 single-minded homolog 1-A
 XP_006628112.1 single-minded homolog 2-like
 XP_003447924.1 single-pass membrane protein with aspartate-rich tail 1, mitochondrial-like
 XP_699524.5 single-strand selective monofunctional uracil DNA glycosylase, partial
 XP_004069298.1 single-strand selective monofunctional uracil DNA glycosylase-like
 NP_001018403.1 single-stranded DNA binding protein like
 XP_005806942.1 single-stranded DNA-binding protein, mitochondrial-like
 AAI63716.1 Sipa111 protein
 YP_006828126.1 Siroheme synthase, precorrin 2 oxidase and ferrochelatase domains
 AAH67165.1 Sirtuin 2 (silent mating type information regulation 2, homolog) 2 (S. cerevisiae)
 NP_001073643.1 sirtuin 3
 NP_001187663.1 sister chromatid cohesion protein dcc1
 NP_957286.2 sister chromatid cohesion protein PDS5 homolog A
 XP_005170973.1 sister chromatid cohesion protein PDS5 homolog A isoform X1
 XP_005807815.1 sister chromatid cohesion protein PDS5 homolog A-like
 XP_693953.2 sister chromatid cohesion protein PDS5 homolog B
 XP_002666900.3 SITS-binding protein isoform X1
 NP_001122206.1 SIX homeobox 2b

NP_001018421.1	SIX homeobox 6b
NP_001124080.1	SIX homeobox 9
NP_001020351.1	six-cysteine containing astacin protease 4 precursor
AAAX28387.2	SJCHGC01615 protein
AAAX24831.2	SJCHGC03009 protein
AAAX30323.2	SJCHGC03012 protein
AAAX30328.2	SJCHGC03018 protein
AAAX26836.2	SJCHGC03019 protein
AAAX30331.2	SJCHGC03022 protein
AAAX30334.2	SJCHGC03026 protein
AAAX30342.1	SJCHGC03036 protein
AAAX30461.1	SJCHGC03782 protein
AAW25926.1	SJCHGC03850 protein
AAW27349.1	SJCHGC04625 protein
AAAX25870.2	SJCHGC05390 protein
AAAX30621.2	SJCHGC05948 protein
AAW24957.1	SJCHGC06004 protein
AAAX30758.2	SJCHGC07530 protein
AAAX28135.2	SJCHGC07585 protein
AAAX27441.2	SJCHGC08991 protein
AAAX25882.2	SJCHGC09227 protein
AAAX25877.2	SJCHGC09533 protein
NP_955841.1	Sjogren syndrome antigen B (autoantigen La)
AAR04426.1	skeletal muscle actin mutant
ACA33869.1	skeletal muscle myosin heavy chain
AAAY29668.1	skeletal troponin T
XP_003901154.1	SKI family transcriptional corepressor 1
XP_005159192.1	SKI family transcriptional corepressor 1 homolog-B isoform X2
XP_004855649.1	SKI family transcriptional corepressor 1 isoform X3
XP_005168899.1	SKI family transcriptional corepressor 1a isoform X1
XP_004538425.1	SKI family transcriptional corepressor 2-like
NP_571010.2	ski oncogene
XP_001342844.2	SKI/DACH domain-containing protein 1
NP_001124141.1	ski-like protein
XP_005171386.1	ski-like protein-like
XP_005476645.1	ski-like protein-like isoform X3
AAI71377.1	Skiv2l protein
NP_001005305.1	SLAIN motif family, member 1a
XP_005168028.1	SLAIN motif family, member 1a isoform X1
XP_005160586.1	SLAIN motif-containing protein 2 isoform X2
NP_956029.1	SLAIN motif-containing protein-like
XP_005719791.1	SLAIN motif-containing protein-like isoform X1
XP_005172207.1	SLAM family member 6-like
XP_005163627.1	SLAM family member 9-like isoform X1
AAH90766.1	Slc18a2 protein
AAI15285.1	Slc23a1 protein
AAH68979.1	Slc35c2 protein
AAH92185.1	Slc35d1a protein
AAI62757.1	Slc39a6 protein
AAI59203.1	Slc3a2 protein
AAI62559.1	Slc4a4 protein
NP_001128575.1	slingshot 2-like
XP_001332767.2	SLIT and NTRK-like family, member 2
XP_001346135.2	SLIT and NTRK-like family, member 3b
XP_005174686.1	SLIT and NTRK-like protein 1-like
XP_002667889.1	SLIT and NTRK-like protein 3-like
XP_005173416.1	SLIT and NTRK-like protein 5-like isoform X1
XP_005157282.1	slit and trk like 4 protein isoform X1
NP_056563.2	slit homolog 1 protein precursor
XP_005801669.1	slit homolog 1 protein-like, partial
AAI63538.1	Slit homolog 1a (Drosophila)
XP_004091750.1	slit homolog 2 protein
XP_005170985.1	slit homolog 2 protein isoform X3
NP_571810.1	slit homolog 2 protein precursor
XP_005164829.1	slit homolog 2 protein-like
XP_005173192.1	slit homolog 3 protein isoform X1
NP_571811.2	slit homolog 3 protein precursor
XP_002808486.1	slit homolog 3 protein-like
XP_005467342.1	slit homolog 3 protein-like isoform X2
XP_005159052.1	SLIT-ROBO Rho GTPase-activating protein 1
XP_005664009.1	SLIT-ROBO Rho GTPase-activating protein 1 isoform X2
XP_006633879.1	SLIT-ROBO Rho GTPase-activating protein 1-like
XP_005172934.1	SLIT-ROBO Rho GTPase-activating protein 2 isoform X2
XP_006784463.1	SLIT-ROBO Rho GTPase-activating protein 2-like isoform X5
XP_005162165.1	SLIT-ROBO Rho GTPase-activating protein 3 isoform X1
XP_689729.3	SLIT-ROBO Rho GTPase-activating protein 3 isoform X2
XP_004068593.1	SLIT-ROBO Rho GTPase-activating protein 3-like
ADO28175.1	slowmo-like 2
AAH95556.1	Sltm protein

XP_003760988.1	smad nuclear-interacting protein 1-like
AAQ02337.1	Smad1
AEM54143.1	Smad3, partial
BAB71794.1	Smad4 type3
BAB71796.1	Smad4 type4
XP_005509381.1	small conductance calcium-activated potassium channel protein 2-like
XP_005721103.1	small conductance calcium-activated potassium channel protein 2-like isoform X2
XP_005451363.1	small conductance calcium-activated potassium channel protein 2-like isoform X3
XP_693120.4	small conductance calcium-activated potassium channel protein 2-like isoformX2
XP_001921794.2	small conductance calcium-activated potassium channel protein 3-like
XP_005158211.1	small conductance calcium-activated potassium channel protein 3-like isoform X1
NP_001038912.2	small CTD phosphatase 3-like
XP_004411473.1	small EDRK-rich factor 2 isoform 3
XP_005055315.1	small G protein signaling modulator 1
XP_003198667.2	small G protein signaling modulator 1 isoform X1
XP_003199319.1	small G protein signaling modulator 1-like
XP_003200084.2	small G protein signaling modulator 2-like
NP_998495.1	small G protein signaling modulator 3
XP_005164067.1	small G protein signaling modulator 3 isoform X1
ADO27890.1	small glutamine-rich tetratricopeptide repeat-containing protein alpha
NP_001002225.1	small glutamine-rich tetratricopeptide repeat-containing protein beta
XP_005816261.1	small glutamine-rich tetratricopeptide repeat-containing protein beta-like
NP_001133082.1	small heat shock protein-like
NP_001013546.1	small integral membrane protein 12
XP_003446118.1	small integral membrane protein 15-like
XP_005170996.1	small integral membrane protein 18-like
XP_005167955.1	small membrane A-kinase anchor protein-like
NP_001002185.1	small muscular protein
CAD43720.1	small nuclear ribonucleoprotein component
ABD85478.1	small nuclear ribonucleoprotein polypeptide A
ETE63153.1	Small nuclear ribonucleoprotein Sm D2, partial
XP_005160550.1	small nuclear RNA activating complex, polypeptide 1a isoform X1
NP_001017842.1	small RNA 2'-O-methyltransferase
XP_006934040.1	small subunit processome component 20 homolog
XP_001920500.3	small subunit processome component 20 homolog, partial
NP_998324.1	small ubiquitin-related modifier 1 precursor
XP_006636827.1	small ubiquitin-related modifier 1-like
XP_004749338.1	small ubiquitin-related modifier 2
XP_006728127.1	small ubiquitin-related modifier 2 isoform X1
XP_005056075.1	small ubiquitin-related modifier 2 isoform X2
AAI65249.1	Smc3 protein
NP_001188249.1	S-methyl-5'-thioadenosine phosphorylase
XP_687034.3	smith-Magenis syndrome chromosomal region candidate gene 8 protein homolog
NP_999967.1	Smith-Magenis syndrome chromosomal region candidate gene 8-B protein homolog
ABW04145.1	smooth muscle cell-specific protein SM22 alpha
XP_002662240.2	smoothelin
XP_005155505.1	smoothelin isoform X2
XP_005157633.1	smoothelin, like isoform X1
XP_005795145.1	smoothelin-like
XP_005473441.1	smoothelin-like isoform X2
NP_997970.1	smoothelin-like protein 2
XP_005725421.1	smoothelin-like protein 2-like isoform X1
NP_571102.1	smoothened homolog precursor
AAH66413.1	SmoX protein
AAI63237.1	Smpd2 protein
B0R061.1	SMRDA_DANRE RecName: Full=SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1A
E7F1C4.1	SMRDB_DANRE RecName: Full=SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1B
P01172.1	SMS2_ICTPU RecName: Full=Somatostatin-2; AltName: Full=Somatostatin II; Contains: RecName: Full=Somatostatin-22; Short=SS-22; Flags: Precursor
AAH28104.1	SMYD2 protein
AAI34999.1	Smyhc1 protein
AAH95380.1	Smyhc1 protein, partial
XP_697873.5	sn1-specific diacylglycerol lipase alpha
XP_005805638.1	sn1-specific diacylglycerol lipase alpha-like
XP_693659.5	sn1-specific diacylglycerol lipase beta
XP_004557533.1	sn1-specific diacylglycerol lipase beta-like
AAA99825.1	SNAP-25a, partial
NP_001139828.1	SNARE-associated protein Snapin
XP_006641608.1	SNARE-associated protein Snapin-like
NP_001180256.1	SNF-related serine/threonine-protein kinase
XP_001923727.1	snRNA-activating protein complex subunit 2-like
XP_003197703.1	snRNA-activating protein complex subunit 3-like
NP_001245339.1	snRNA-activating protein complex subunit 4
XP_005165575.1	snRNA-activating protein complex subunit 4 isoform X1
AAI17603.1	Snrnp70 protein
NP_955988.1	snurportin-1
NP_001002864.1	SNW domain-containing protein 1

AAI33123.1	Snw1 protein
AAH55622.1	Snx10a protein
Q5RID7.1	SNX17_DANRE RecName: Full=Sorting nexin-17
CCC15141.1	SOCS-2b
BAE78524.1	Sodium- and chloride-dependent creatine transporter 1
XP_004779369.1	sodium- and chloride-dependent creatine transporter 1 isoform X2
XP_004070540.1	sodium- and chloride-dependent creatine transporter 1-like
XP_006625351.1	sodium- and chloride-dependent creatine transporter 1-like isoform X1
NP_001007363.1	sodium- and chloride-dependent GABA transporter 1
XP_006633852.1	sodium- and chloride-dependent GABA transporter 1-like
ACI33304.1	Sodium- and chloride-dependent GABA transporter 2
XP_002667408.3	sodium- and chloride-dependent GABA transporter 2-like
XP_003462789.1	sodium- and chloride-dependent GABA transporter 3
XP_001919920.4	sodium- and chloride-dependent GABA transporter 3-like, partial
XP_005163551.1	sodium- and chloride-dependent glycine transporter 1 isoform X1
XP_005163552.1	sodium- and chloride-dependent glycine transporter 1 isoform X2
XP_005492128.1	sodium- and chloride-dependent glycine transporter 2
XP_006793834.1	sodium- and chloride-dependent glycine transporter 2-like
XP_005166717.1	sodium- and chloride-dependent glycine transporter 2-like isoform X2
XP_001923596.1	sodium- and chloride-dependent neutral and basic amino acid transporter B(0+)
NP_001119858.1	sodium- and chloride-dependent taurine transporter
XP_003447703.1	sodium- and chloride-dependent taurine transporter-like isoform X1
XP_004571375.1	sodium- and chloride-dependent transporter XTRP3A-like
XP_006635670.1	sodium- and chloride-dependent transporter XTRP3-like
XP_004077689.1	sodium- and chloride-dependent transporter XTRP3-like isoform 2
ACK37865.1	sodium bicarbonate cotransporter
XP_006005160.1	sodium bicarbonate cotransporter 3
XP_005297162.1	sodium bicarbonate cotransporter 3 isoform X12
XP_006200654.1	sodium bicarbonate cotransporter 3 isoform X3
XP_005814163.1	sodium bicarbonate cotransporter 3-like
XP_005796489.1	sodium bicarbonate cotransporter 3-like isoform X2
XP_005158344.1	sodium bicarbonate cotransporter 3-like isoform X4
XP_697323.5	sodium bicarbonate cotransporter 3-like isoform X5
XP_005457241.1	sodium bicarbonate cotransporter 3-like isoform X8
AAO60422.1	sodium channel 3
AAO60426.1	sodium channel 7
XP_005159869.1	sodium channel and clathrin linker 1 isoform X2
ACO09996.1	Sodium channel beta-1 subunit precursor
ABO30514.1	sodium channel beta1 subunit short form
ADO27782.1	sodium channel modifier 1
XP_003483717.2	sodium channel protein type 1 subunit alpha-like, partial
EPQ02253.1	Sodium channel protein type 2 subunit alpha
XP_005165827.1	sodium channel protein type 2 subunit alpha isoform X1
XP_005165828.1	sodium channel protein type 2 subunit alpha isoform X2
XP_006788584.1	sodium channel protein type 2 subunit alpha-like
XP_005152686.1	sodium channel protein type 2 subunit alpha-like isoform X1
NP_001034914.1	sodium channel protein type 4 subunit alpha A
XP_005156081.1	sodium channel protein type 4 subunit alpha A isoform X1
XP_006791305.1	sodium channel protein type 4 subunit alpha A-like
XP_005171642.1	sodium channel protein type 4 subunit alpha B isoform X1
XP_005951142.1	sodium channel protein type 4 subunit alpha B-like
XP_005811769.1	sodium channel protein type 4 subunit alpha-like
XP_004377372.1	sodium channel protein type 5 subunit alpha isoform 3
XP_005815203.1	sodium channel protein type 8 subunit alpha-like
XP_005914890.1	sodium channel protein type 8 subunit alpha-like isoform X1
XP_006629347.1	sodium channel protein type 8 subunit alpha-like isoform X2
XP_005924959.1	sodium channel protein type 8 subunit alpha-like isoform X8
XP_006747033.1	sodium channel protein type 8 subunit alpha-like, partial
XP_006809317.1	sodium channel subunit beta-1-like
XP_005157549.1	sodium channel subunit beta-2 isoform X1
XP_006642279.1	sodium channel subunit beta-3-like
XP_006799938.1	sodium channel subunit beta-4-like
NP_001038387.1	sodium channel, voltage gated, type XII, alpha a
NP_001038588.1	sodium channel, voltage gated, type XII, alpha b
NP_001071038.1	sodium channel, voltage-gated, type IV, beta a
NP_001071041.1	sodium channel, voltage-gated, type IV, beta b precursor
XP_005162325.1	sodium channel, voltage-gated, type VIII, alpha a isoform X1
XP_005166126.1	sodium channel, voltage-gated, type VIII, alpha b isoform X1
XP_005166128.1	sodium channel, voltage-gated, type VIII, alpha b isoform X3
XP_005166131.1	sodium channel, voltage-gated, type VIII, alpha b isoform X6
CAB45232.1	sodium hydrogen exchanger
XP_005167754.1	sodium leak channel non-selective protein isoform X1
XP_005167756.1	sodium leak channel non-selective protein isoform X3
XP_004081493.1	sodium leak channel non-selective protein-like
XP_003961665.1	sodium leak channel non-selective protein-like isoform 1
XP_006788215.1	sodium leak channel non-selective protein-like isoform X1
XP_005935869.1	sodium leak channel non-selective protein-like isoform X2
AAT48994.1	sodium potassium ATPase beta subunit
AAP82286.1	sodium solute transporter Vito-b

XP_005160581.1 sodium/bile acid cotransporter 4 isoform X1
 XP_005814911.1 sodium/bile acid cotransporter 4-like
 XP_007055778.1 sodium/bile acid cotransporter 7
 XP_006632569.1 sodium/bile acid cotransporter-like
 XP_005158754.1 sodium/calcium exchanger 1 isoform X2
 XP_005019208.1 sodium/calcium exchanger 1-like isoform X12
 XP_005811270.1 sodium/calcium exchanger 1-like isoform X2
 NP_001116756.1 sodium/calcium exchanger 2 precursor
 XP_005474906.1 sodium/calcium exchanger 2-like
 XP_005157054.1 sodium/calcium exchanger 3 isoform X1
 XP_005157056.1 sodium/calcium exchanger 3 isoform X3
 XP_006632736.1 sodium/calcium exchanger 3-like isoform X4
 XP_005799257.1 sodium/calcium exchanger 3-like isoform X5
 EPY81083.1 sodium/glucose cotransporter 1
 XP_004074866.1 sodium/glucose cotransporter 1-like
 NP_001133541.1 Sodium/glucose cotransporter 2
 XP_005173434.1 sodium/glucose cotransporter 2 isoform X1
 NP_001107077.1 sodium/glucose cotransporter 4
 XP_005166931.1 sodium/glucose cotransporter 4 isoform X1
 XP_006635108.1 sodium/glucose cotransporter 4-like
 XP_001345853.1 sodium/glucose cotransporter 5-like
 NP_001165258.1 sodium/glucose cotransporter member 1
 XP_005142282.1 sodium/hydrogen exchanger 1
 XP_006631579.1 sodium/hydrogen exchanger 1-like
 XP_003961846.1 sodium/hydrogen exchanger 2-like
 NP_001106943.1 sodium/hydrogen exchanger 5 precursor
 XP_005929290.1 sodium/hydrogen exchanger 5-like, partial
 XP_003445201.1 sodium/hydrogen exchanger 6-like
 XP_004545769.1 sodium/hydrogen exchanger 6-like isoform X2
 XP_006639292.1 sodium/hydrogen exchanger 7-like
 XP_004858125.1 sodium/hydrogen exchanger 8 isoform X1
 XP_006639648.1 sodium/hydrogen exchanger 8-like
 NP_001082860.1 sodium/iodide cotransporter
 XP_006637322.1 sodium/myo-inositol cotransporter 2-like
 XP_005167848.1 sodium/myo-inositol cotransporter-like
 AAL18002.1 sodium/potassium ATPase alpha subunit isoform 1
 XP_001921977.1 sodium/potassium/calcium exchanger 1
 XP_005928854.1 sodium/potassium/calcium exchanger 1-like isoform X1
 XP_004079720.1 sodium/potassium/calcium exchanger 2-like
 XP_685302.4 sodium/potassium/calcium exchanger 3
 XP_689707.4 sodium/potassium/calcium exchanger 3-like
 XP_005158898.1 sodium/potassium/calcium exchanger 4 isoform X1
 XP_005170270.1 sodium/potassium/calcium exchanger 4 isoform X2
 XP_004396578.1 sodium/potassium/calcium exchanger 5 isoform 2
 XP_005998356.1 sodium/potassium/calcium exchanger 5 isoform X1
 XP_689091.6 sodium/potassium/calcium exchanger 6, mitochondrial-like
 XP_003447505.1 sodium/potassium-transporting ATPase subunit alpha-2-like
 XP_006794509.1 sodium/potassium-transporting ATPase subunit alpha-3-like
 ERE72877.1 sodium/potassium-transporting ATPase subunit alpha-4
 XP_006926203.1 sodium/potassium-transporting ATPase subunit beta-1-interacting protein 2 isoform X3
 XP_006626492.1 sodium/potassium-transporting ATPase subunit beta-1-interacting protein 2-like isoform X1
 NP_001188080.1 sodium/potassium-transporting ATPase subunit beta-233
 XP_005680693.1 sodium-coupled monocarboxylate transporter 1
 XP_002661402.3 sodium-coupled monocarboxylate transporter 1-like isoform X1
 NP_001158777.1 Sodium-coupled neutral amino acid transporter 2
 XP_006633683.1 sodium-coupled neutral amino acid transporter 2-like
 CBN80583.1 Sodium-coupled neutral amino acid transporter 3
 XP_001344749.1 sodium-coupled neutral amino acid transporter 3 isoform X1
 XP_006630745.1 sodium-coupled neutral amino acid transporter 3-like
 XP_006806754.1 sodium-coupled neutral amino acid transporter 3-like isoform X1
 XP_004082927.1 sodium-coupled neutral amino acid transporter 4-like
 XP_005460487.1 sodium-coupled neutral amino acid transporter 4-like isoform X1
 AEF30425.1 sodium-dependent citrate transporter
 NP_571830.1 sodium-dependent dopamine transporter
 XP_006635943.1 sodium-dependent dopamine transporter-like
 NP_001082989.1 sodium-dependent glucose transporter 1
 XP_005746215.1 sodium-dependent multivitamin transporter-like isoform X3
 NP_956030.1 sodium-dependent neutral amino acid transporter B(0)AT1
 XP_006635714.1 sodium-dependent neutral amino acid transporter B(0)AT1-like
 XP_682775.6 sodium-dependent neutral amino acid transporter B(0)AT2
 XP_006633611.1 sodium-dependent neutral amino acid transporter B(0)AT2-like
 NP_001108369.1 sodium-dependent neutral amino acid transporter B(0)AT3
 XP_006635713.1 sodium-dependent neutral amino acid transporter B(0)AT3-like
 XP_005914945.1 sodium-dependent neutral amino acid transporter SLC6A17-like
 XP_006121297.1 sodium-dependent noradrenaline transporter
 XP_694138.3 sodium-dependent noradrenaline transporter-like
 XP_002664304.2 sodium-dependent phosphate transport protein 2A
 XP_006632024.1 sodium-dependent phosphate transport protein 2A-like

XP_005923077.1 sodium-dependent phosphate transport protein 2B-like
 XP_003794978.1 sodium-dependent phosphate transport protein 2C
 XP_005263800.1 sodium-dependent phosphate transporter 1 isoform X1
 XP_005167229.1 sodium-dependent phosphate transporter 2 isoform X5
 XP_004547017.1 sodium-dependent phosphate transporter 2-like isoform X1
 EMP24694.1 Sodium-dependent proline transporter
 XP_006628207.1 sodium-dependent proline transporter-like
 NP_001035061.1 sodium-dependent serotonin transporter
 XP_005309489.1 sodium-driven chloride bicarbonate exchanger
 XP_003199300.2 sodium-driven chloride bicarbonate exchanger, partial
 XP_001335452.3 sodium-driven chloride bicarbonate exchanger-like
 XP_005943446.1 sodium-driven chloride bicarbonate exchanger-like isoform X1
 XP_005927714.1 sodium-driven chloride bicarbonate exchanger-like isoform X7
 NP_956061.1 sodium-independent sulfate anion transporter
 BAC78395.1 Solo
 XP_006632027.1 soluble guanylate cyclase 88E-like
 BAC98396.1 soluble guanylyl cyclase beta1 subunit
 XP_001919339.1 soluble lamin-associated protein of 75 kDa
 XP_004015928.1 soluble scavenger receptor cysteine-rich domain-containing protein SSC5D
 NP_001177234.1 solute carrier family 1 (glial high affinity glutamate transporter), member 2a
 AAH49340.1 Solute carrier family 1 (glial high affinity glutamate transporter), member 3
 NP_001177232.1 solute carrier family 1 (glial high affinity glutamate transporter), member 3b
 NP_001177689.1 solute carrier family 1 (glutamate transporter), member 7b
 NP_001177688.1 solute carrier family 1 (glutamate transporter), member 9
 BAN81910.1 solute carrier family 10 member 1
 BAN81909.1 solute carrier family 10 member 2
 XP_006626732.1 solute carrier family 10 member 6-like
 XP_002665343.3 solute carrier family 12 member 1-like
 NP_001002080.1 solute carrier family 12 member 2 isoform 1
 XP_003201788.2 solute carrier family 12 member 2-like
 XP_005169068.1 solute carrier family 12 member 4 isoform X1
 XP_691291.2 solute carrier family 12 member 4 isoform X2
 XP_003199160.2 solute carrier family 12 member 5
 XP_701000.5 solute carrier family 12 member 5-like
 XP_005458444.1 solute carrier family 12 member 5-like isoform X3
 ELW72293.1 Solute carrier family 12 member 6
 XP_004079998.1 solute carrier family 12 member 6-like
 XP_006809522.1 solute carrier family 12 member 6-like isoform X1
 XP_005466546.1 solute carrier family 12 member 6-like, partial
 XP_005171306.1 solute carrier family 12 member 7 isoform X1
 XP_005162968.1 solute carrier family 12 member 7 isoform X2
 XP_005162969.1 solute carrier family 12 member 7 isoform X3
 XP_696060.6 solute carrier family 12 member 7 isoform X7
 XP_005030153.1 solute carrier family 12 member 7-like, partial
 XP_005167859.1 solute carrier family 12 member 8 isoform X1
 NP_001122020.1 solute carrier family 12 member 9
 XP_006801241.1 solute carrier family 12 member 9-like
 XP_005173495.1 solute carrier family 12 member 9-like, partial
 EDL96476.1 solute carrier family 12, (potassium-chloride transporter) member 5, isoform CRA_a
 NP_001154850.1 solute carrier family 12, member 10.1
 AAH44437.1 Solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2
 XP_005937536.1 solute carrier family 13 member 1-like
 NP_998617.2 solute carrier family 13 member 2
 XP_005170323.1 solute carrier family 13 member 2 isoform X1
 XP_005926373.1 solute carrier family 13 member 2-like isoform X1
 NP_998067.1 solute carrier family 13 member 3
 XP_005164560.1 solute carrier family 13 member 4 isoform X1
 XP_006806557.1 solute carrier family 13 member 4-like
 NP_001136038.1 solute carrier family 13, member 5
 ERE91634.1 solute carrier family 15 member 1
 XP_005452939.1 solute carrier family 15 member 1-like isoform X1
 NP_001034917.1 solute carrier family 15 member 2
 XP_005167300.1 solute carrier family 15 member 4 isoform X1
 XP_004072768.1 solute carrier family 15 member 4-like
 XP_001339885.1 solute carrier family 15 member 5-like
 NP_001245159.1 solute carrier family 16 (monocarboxylic acid transporters), member 2
 NP_001243761.1 solute carrier family 16 (monocarboxylic acid transporters), member 6a
 NP_956704.1 solute carrier family 16 (monocarboxylic acid transporters), member 9a
 NP_001074068.2 solute carrier family 16, member 4
 NP_001032485.1 solute carrier family 16, member 7 (monocarboxylic acid transporter 2)
 XP_001336574.1 solute carrier family 17 member 9
 XP_006796415.1 solute carrier family 17 member 9-like
 NP_001002635.1 solute carrier family 17, member 9b
 XP_005158657.1 solute carrier family 18, subfamily B, member 1 isoform X1
 NP_001073485.1 solute carrier family 2 (facilitated glucose transporter), member 11-like
 NP_001156013.1 solute carrier family 2 (facilitated glucose transporter), member 15a
 NP_001159589.1 solute carrier family 2 (facilitated glucose transporter), member 9-like 1
 XP_005452255.1 solute carrier family 2, facilitated glucose transporter member 10-like isoform X1
 NP_001135265.1 Solute carrier family 2, facilitated glucose transporter member 11

XP_005448043.1 solute carrier family 2, facilitated glucose transporter member 11-like
 NP_956832.1 solute carrier family 2, facilitated glucose transporter member 12
 XP_005162361.1 solute carrier family 2, facilitated glucose transporter member 12 isoform X1
 XP_002665301.2 solute carrier family 2, facilitated glucose transporter member 1-like
 NP_001036186.1 solute carrier family 2, facilitated glucose transporter member 2
 NP_001002643.1 solute carrier family 2, facilitated glucose transporter member 3
 XP_002667169.2 solute carrier family 2, facilitated glucose transporter member 3-like isoform X1
 XP_005804867.1 solute carrier family 2, facilitated glucose transporter member 4-like
 XP_004070438.1 solute carrier family 2, facilitated glucose transporter member 5-like
 XP_005293306.1 solute carrier family 2, facilitated glucose transporter member 6
 NP_997963.1 solute carrier family 2, facilitated glucose transporter member 8
 XP_001918954.4 solute carrier family 2, facilitated glucose transporter member 9, partial
 XP_004538251.1 solute carrier family 2, facilitated glucose transporter member 9-like
 XP_006631494.1 solute carrier family 22 member 13-like
 XP_001341287.1 solute carrier family 22 member 13-like isoform X1
 NP_001020659.1 solute carrier family 22 member 16
 XP_005162988.1 solute carrier family 22 member 17-like
 NP_001032462.1 solute carrier family 22 member 18
 XP_006642626.1 solute carrier family 22 member 18-like
 NP_998315.1 solute carrier family 22 member 2
 XP_006634628.1 solute carrier family 22 member 23-like
 XP_004542798.1 solute carrier family 22 member 23-like isoform X1
 XP_002667419.2 solute carrier family 22 member 23-like, partial
 NP_001133582.1 Solute carrier family 22 member 4
 XP_005102578.1 solute carrier family 22 member 4-like
 XP_006630157.1 solute carrier family 22 member 5-like
 NP_996960.1 solute carrier family 22 member 6
 NP_001133356.1 Solute carrier family 22 member 6-A
 XP_005805882.1 solute carrier family 22 member 6-like
 XP_001337264.3 solute carrier family 22 member 7 isoform X1
 XP_001340340.3 solute carrier family 22 member 7-like
 NP_001070840.2 solute carrier family 22, member 13
 XP_006632174.1 solute carrier family 23 member 1-like
 XP_001339365.2 solute carrier family 23 member 2-like
 XP_005924412.1 solute carrier family 23 member 2-like isoform X1
 XP_005738305.1 solute carrier family 23 member 2-like isoform X2
 XP_004547106.1 solute carrier family 23 member 2-like isoform X5
 XP_002663366.2 solute carrier family 23 member 3-like
 XP_005170711.1 solute carrier family 25 member 3 isoform X1
 XP_004086151.1 solute carrier family 25 member 34-like
 XP_004076563.1 solute carrier family 25 member 35-like
 NP_001002667.1 solute carrier family 25 member 36-A
 XP_006786784.1 solute carrier family 25 member 36-A-like
 XP_005163988.1 solute carrier family 25 member 39 isoform X3
 XP_006636200.1 solute carrier family 25 member 40-like
 XP_005952688.1 solute carrier family 25 member 40-like isoform X5
 XP_006633075.1 solute carrier family 25 member 43-like
 NP_001002558.1 solute carrier family 25 member 46
 XP_006627076.1 solute carrier family 25 member 46-like
 NP_001083050.1 solute carrier family 25 member 47-B
 NP_001002367.1 solute carrier family 25 member 48
 XP_002664343.1 solute carrier family 25 member 51-like
 XP_005467932.1 solute carrier family 25 member 53-like
 NP_991112.1 solute carrier family 25, member 16
 NP_001038417.1 solute carrier family 25, member 23
 AAI54348.1 Solute carrier family 25, member 43
 NP_001007351.1 solute carrier family 25, member 44 a
 XP_005163025.1 solute carrier family 25, member 44 a isoform X1
 NP_001013537.1 solute carrier family 25, member 44 b
 XP_004558815.1 solute carrier family 26 member 10-like isoform X2
 BAD22609.1 solute carrier family 26 member 3
 XP_001344243.4 solute carrier family 26 member 6
 BAD22607.1 solute carrier family 26 member 6 b
 XP_006628459.1 solute carrier family 26 member 9-like
 XP_005918964.1 solute carrier family 26 member 9-like isoform X2
 NP_001035265.1 solute carrier family 26, member 3
 NP_001107889.1 solute carrier family 26, member 6
 NP_001013555.1 solute carrier family 27 (fatty acid transporter), member 1a
 NP_001070854.1 solute carrier family 27 (fatty acid transporter), member 6 precursor
 ACV32407.1 solute carrier family 27 member 2
 NP_571676.1 solute carrier family 3, member 2a
 NP_958922.2 solute carrier family 3, member 2b
 NP_001004583.1 solute carrier family 35 member B1
 XP_004083421.1 solute carrier family 35 member D3-like
 NP_998239.1 solute carrier family 35 member E1
 XP_006639857.1 solute carrier family 35 member E1-like
 NP_001133715.1 Solute carrier family 35 member E2
 XP_003926760.1 solute carrier family 35 member E3
 NP_001017857.1 solute carrier family 35 member E4

XP_004740393.1 solute carrier family 35 member F1
 XP_682935.5 solute carrier family 35 member F1 isoform X2
 XP_006035997.1 solute carrier family 35 member F1, partial
 XP_006800837.1 solute carrier family 35 member F3-like
 XP_001341551.2 solute carrier family 35 member F4-like isoform X1
 XP_005158957.1 solute carrier family 35 member F4-like isoform X2
 XP_006630424.1 solute carrier family 35 member G1-like
 XP_006637762.1 solute carrier family 35 member G2-like
 NP_001070024.1 solute carrier family 35, member F2
 XP_005156394.1 solute carrier family 35, member F3a isoform X1
 NP_001002559.1 solute carrier family 35, member F6
 NP_001002648.1 solute carrier family 38, member 5b
 AA100118.1 Solute carrier family 38, member 7
 XP_005173777.1 solute carrier family 39 (zinc transporter), member 4 isoform X1
 NP_001161738.1 solute carrier family 4, anion exchanger, member 1b
 XP_005156133.1 solute carrier family 4, anion exchanger, member 1b isoform X1
 XP_005163569.1 solute carrier family 4, anion exchanger, member 2a isoform X2
 XP_006636733.1 solute carrier family 40 member 1-like
 XP_002663867.1 solute carrier family 41 member 1
 XP_002666553.2 solute carrier family 41 member 1-like isoform X2
 XP_693342.4 solute carrier family 41 member 2-like
 XP_005742096.1 solute carrier family 41 member 3-like isoform X3
 XP_005454136.1 solute carrier family 41 member 3-like isoform X5
 NP_001035011.1 solute carrier family 43 member 3
 NP_001188273.1 solute carrier family 43 member 3-like
 XP_006781442.1 solute carrier family 43 member 3-like isoform X1
 XP_005173158.1 solute carrier family 43, member 1a isoform X1
 XP_002660627.2 solute carrier family 44, member 1a
 XP_003199885.2 solute carrier family 44, member 1b
 XP_696586.3 solute carrier family 44, member 2 isoform X3
 XP_696562.6 solute carrier family 44, member 5a
 XP_005174368.1 solute carrier family 45 member 3 isoform X1
 XP_004070227.1 solute carrier family 45 member 3-like
 XP_418418.4 solute carrier family 45 member 4
 XP_002665500.3 solute carrier family 45 member 4-like
 XP_005169460.1 solute carrier family 45, member 3 isoform X1
 NP_001091665.1 solute carrier family 45, member 3 precursor
 XP_684138.2 solute carrier family 46 member 3
 XP_684413.5 solute carrier family 46 member 3-like
 XP_005161492.1 solute carrier family 47, member 1 isoform X1
 XP_005158632.1 solute carrier family 5 (sodium-dependent vitamin transporter), member 6 isoform X1
 NP_001002182.1 solute carrier family 52, riboflavin transporter, member 3-B
 XP_005166076.1 solute carrier family 6 (neurotransmitter transporter, GABA), member 13 isoform X1
 XP_005166102.1 solute carrier family 6 (neurotransmitter transporter, GABA), member 13 like isoform X1
 NP_001038752.2 solute carrier family 6 (neurotransmitter transporter, GABA), member 1a
 XP_005161359.1 solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 isoform X1
 NP_001170930.1 solute carrier family 6 (neurotransmitter transporter, serotonin), member 4B
 NP_001032750.1 solute carrier family 6, member 6
 NP_001032179.1 solute carrier family 8 (sodium/calcium exchanger), member 1a precursor
 AA163335.1 Solute carrier family 8 (sodium/calcium exchanger), member 4a
 XP_005166594.1 solute carrier family 8 (sodium/calcium exchanger), member 4b isoform X2
 XP_005165417.1 solute carrier family 8 (sodium-calcium exchanger), member 2a isoform X1
 NP_001116768.1 solute carrier family 8 (sodium-calcium exchanger), member 2a precursor
 NP_001106947.1 solute carrier family 9 (sodium/hydrogen exchanger), member 6b precursor
 XP_005166045.1 solute carrier family 9, member 7 isoform X3
 XP_005164528.1 solute carrier organic anion transporter family member 1C1 isoform X1
 XP_006780607.1 solute carrier organic anion transporter family member 1C1-like
 XP_005728130.1 solute carrier organic anion transporter family member 1C1-like isoform X1
 XP_005074182.1 solute carrier organic anion transporter family member 2B1
 XP_006628928.1 solute carrier organic anion transporter family member 3A1-like
 XP_696263.3 solute carrier organic anion transporter family member 4A1
 XP_004070642.1 solute carrier organic anion transporter family member 4A1-like
 XP_006804095.1 solute carrier organic anion transporter family member 4A1-like isoform X1
 XP_005475593.1 solute carrier organic anion transporter family member 4A1-like isoform X3
 XP_698555.5 solute carrier organic anion transporter family member 5A1
 XP_684701.3 solute carrier organic anion transporter family member 5A1-like
 NP_001083051.1 solute carrier organic anion transporter family, member 2A1
 NP_001038653.1 solute carrier organic anion transporter family, member 3A1
 NP_001187017.1 somatolactin precursor
 AGM46558.1 somatostatin
 XP_005172275.1 somatostatin receptor type 1-like
 XP_002665650.1 somatostatin receptor type 2-like
 XP_695365.1 somatostatin receptor type 3
 XP_003201684.1 somatostatin receptor type 3-like
 XP_005173389.1 somatostatin receptor type 5-like
 XP_006642047.1 somatostatin-1B-like
 XP_006627411.1 somatostatin-1-like
 ACM09523.1 Somatostatin-2 precursor
 NP_001187174.1 somatotropin precursor

XP_005927445.1	something about silencing protein 10-like isoform X1
XP_007082545.1	son of sevenless homolog 1
XP_006638599.1	son of sevenless homolog 1-like isoform X1
XP_006638600.1	son of sevenless homolog 1-like isoform X2
XP_004087020.1	son of sevenless homolog 1-like, partial
XP_690171.2	son of sevenless homolog 2 isoform X2
ABB99398.1	sonic hedgehog
AAU04946.1	sonic hedgehog precursor
NP_990152.1	sonic hedgehog protein precursor
XP_001342461.4	sorbin and SH3 domain-containing protein 1
XP_005474222.1	sorbin and SH3 domain-containing protein 1-like
XP_691857.5	sorbin and SH3 domain-containing protein 2
XP_005457482.1	sorbin and SH3 domain-containing protein 2-like isoform X7
NP_001165890.1	sorbitol dehydrogenase
XP_689083.6	sortilin
CAQ14849.1	sortilin 1, like
NP_001119937.1	sortilin 1b precursor
XP_005172959.1	sortilin isoform X1
NP_998395.1	sortilin precursor
XP_004083221.1	sortilin-like
XP_003200086.2	sortilin-related receptor isoform X1
XP_005157608.1	sortilin-related receptor isoform X3
XP_006642389.1	sortilin-related receptor-like
XP_005753860.1	sortilin-related receptor-like isoform X3
XP_005807805.1	sortilin-related receptor-like, partial
NP_989138.1	sorting and assembly machinery component 50 homolog
NP_956436.1	sorting and assembly machinery component 50 homolog A
NP_001007344.1	sorting and assembly machinery component 50 homolog B
NP_001122143.2	sorting nexin 1
ABS70788.1	sorting nexin 11
XP_005161353.1	sorting nexin 12 isoform X3
AAI62101.1	Sorting nexin 18b
XP_005163026.1	sorting nexin 22 isoform X1
NP_001133490.1	sorting nexin 9
AAH96861.1	Sorting nexin 9-like
NP_001070836.1	sorting nexin family member 21-like
NP_956834.1	sorting nexin family member 27b
XP_005158150.1	sorting nexin family member 27b isoform X2
NP_001103866.1	sorting nexin-10B
XP_006636254.1	sorting nexin-13-like
XP_005160372.1	sorting nexin-14 isoform X1
XP_005377761.1	sorting nexin-14 isoform X3
XP_006626273.1	sorting nexin-14-like
XP_005925788.1	sorting nexin-14-like isoform X2
XP_003452442.1	sorting nexin-15-like
CBN81771.1	Sorting nexin-16
XP_006634391.1	sorting nexin-16-like
XP_006006452.1	sorting nexin-17
XP_006626144.1	sorting nexin-17-like
XP_006626806.1	sorting nexin-18-like
XP_697433.4	sorting nexin-19
XP_005142454.1	sorting nexin-2 isoform X2
XP_001922916.1	sorting nexin-20-like isoform X1
ADO27741.1	sorting nexin-24
NP_001156765.1	sorting nexin-25
XP_006274680.1	sorting nexin-27 isoform X1
EMC87247.1	Sorting nexin-27, partial
XP_005472710.1	sorting nexin-27-like isoform X2
XP_693885.3	sorting nexin-29-like
XP_004557682.1	sorting nexin-29-like isoform X2
XP_003761462.1	sorting nexin-30
XP_006626632.1	sorting nexin-30-like
XP_685760.1	sorting nexin-32-like isoform X2
XP_006628914.1	sorting nexin-33-like
NP_001014368.1	sorting nexin-4
NP_001002229.1	sorting nexin-7
XP_005162901.1	sorting nexin-7 isoform X1
NP_001155915.1	sorting nexin-8
XP_005164189.1	sorting nexin-8 isoform X2
XP_006798398.1	sorting nexin-8-like
XP_004440776.1	sorting nexin-9
XP_005301499.1	sorting nexin-9 isoform X3
XP_003971722.1	sorting nexin-9-like
XP_006797158.1	sorting nexin-9-like isoform X1
XP_007171513.1	SOSS complex subunit B2 isoform X1
XP_006626633.1	SOSS complex subunit C-like
AEA50992.1	SOUL1
AAS57934.2	source of immunodominant MHC-associated peptides
BAB68398.1	sox transcription factor 226D7

ABO26874.1	Sox14
AHI96025.1	Sox3
ABW87300.1	Sox9a2
AHG97569.1	Sp3 transcription factor
EAX11238.1	Sp5 transcription factor, isoform CRA_a
AAI39536.1	Spag1 protein
NP_001188322.1	SPARC-related modular calcium-binding protein 1
XP_006798880.1	SPARC-related modular calcium-binding protein 1-like
XP_005746605.1	SPARC-related modular calcium-binding protein 1-like isoform X6
XP_004077547.1	SPARC-related modular calcium-binding protein 2-like
XP_005172691.1	spartin isoform X1
XP_004075344.1	spartin-like
XP_006796643.1	spartin-like isoform X1
XP_005296293.1	spastin
XP_006638780.1	spastin-like
ACJ02102.1	SPATA5
NP_001181923.1	spatacsin isoform 1
NP_001167606.1	spatacsin isoform 2
XP_006628887.1	spatacsin-like
Q5TYV4.1	SPE39_DANRE RecName: Full=Spermatogenesis-defective protein 39 homolog; Short=hSPE-39; AltName: Full=VPS33B-interacting protein in apical-basolateral polarity regulator; AltName: Full=VPS33B-interacting protein in polarity and apical restriction
ADM49195.1	special AT-rich sequence binding protein 2
XP_005162472.1	specifically androgen-regulated gene protein-like
NP_001025359.1	speckle targeted PIP5K1A-regulated poly(A) polymerase
XP_003222682.1	speckle-type POZ protein
XP_001952667.2	speckle-type POZ protein A isoform X1
NP_001073438.1	speckle-type POZ protein-like B
XP_005161151.1	spectrin alpha chain, brain isoform X1
NP_001093459.1	spectrin beta chain, brain 1
XP_005165377.1	spectrin beta chain, brain 1 isoform X1
XP_005165378.1	spectrin beta chain, brain 1 isoform X2
XP_005158906.1	spectrin beta chain, erythrocyte isoform X1
XP_005170800.1	spectrin beta chain, non-erythrocytic 1, partial
XP_004570672.1	spectrin beta chain, non-erythrocytic 1-like
XP_006638477.1	spectrin beta chain, non-erythrocytic 1-like isoform X1
XP_004564007.1	spectrin beta chain, non-erythrocytic 1-like isoform X2
XP_006638479.1	spectrin beta chain, non-erythrocytic 1-like isoform X3
XP_006642904.1	spectrin beta chain, non-erythrocytic 2-like
XP_005461176.1	spectrin beta chain, non-erythrocytic 4
XP_006627706.1	spectrin beta chain, non-erythrocytic 4-like
XP_005745049.1	spectrin beta chain, non-erythrocytic 4-like isoform X1
XP_698075.4	spectrin beta chain, non-erythrocytic 5-like
AAI62568.1	Spectrin, beta, erythrocytic
XP_004332531.1	spectrin, beta, non-erythrocytic 4, partial
XP_006990766.1	speedy protein A
XP_005158544.1	speedy protein A isoform X1
AAH93156.1	Spef2 protein
XP_005472485.1	speriolin-like isoform X2
XP_006635983.1	speriolin-like protein-like
XP_004573629.1	sperm acrosome membrane-associated protein 4-like
NP_001121704.1	sperm flagellar protein 2
XP_006116559.1	sperm flagellar protein 2 isoform X2
XP_006627362.1	sperm flagellar protein 2-like
EMP28820.1	Sperm-associated antigen 1
XP_005456815.1	sperm-associated antigen 1 isoform X2
XP_003201529.2	sperm-associated antigen 16 protein-like
XP_006636165.1	sperm-associated antigen 1-like
XP_696012.4	sperm-associated antigen 5
XP_005234006.1	sperm-associated antigen 6
ACO08838.1	Sperm-associated antigen 7
XP_700508.5	sperm-associated antigen 8-like
XP_005155660.1	spermatid perinuclear RNA-binding protein isoform X3
XP_005155662.1	spermatid perinuclear RNA-binding protein isoform X5
XP_006640590.1	spermatid perinuclear RNA-binding protein-like
XP_005931899.1	spermatid perinuclear RNA-binding protein-like isoform X1
NP_001070056.2	spermatogenesis associated 5-like 1
XP_005162798.1	spermatogenesis-associated protein 13 isoform X1
XP_005162799.1	spermatogenesis-associated protein 13 isoform X2
XP_696845.4	spermatogenesis-associated protein 13 isoform X3
XP_004003888.1	spermatogenesis-associated protein 16
XP_006637528.1	spermatogenesis-associated protein 16-like
NP_001135736.1	spermatogenesis-associated protein 17
XP_005735076.1	spermatogenesis-associated protein 1-like
NP_001073660.2	spermatogenesis-associated protein 2
XP_001920588.3	spermatogenesis-associated protein 20
XP_005807409.1	spermatogenesis-associated protein 20-like
XP_005165635.1	spermatogenesis-associated protein 22-like isoform X2
AFX00809.1	spermatogenesis-associated protein 4

EMP38581.1	Spermatogenesis-associated protein 5
XP_004941260.1	spermatogenesis-associated protein 5 isoform X9
XP_005924134.1	spermatogenesis-associated protein 5-like
XP_002663242.3	spermatogenesis-associated protein 5-like, partial
XP_006635305.1	spermatogenesis-associated protein 6-like
NP_001071194.2	spermatogenesis-associated serine-rich protein 2
NP_001001836.1	spermatogenesis-defective protein 39 homolog
XP_005162304.1	spermidine synthase isoform X1
XP_003452288.1	spermine oxidase-like
NP_571831.1	spermine synthase
XP_001918979.4	sperm-specific antigen 2
XP_005916284.1	sperm-tail PG-rich repeat-containing protein 2-like isoform X1
XP_005163048.1	spexin-like
XP_005161246.1	S-phase kinase-associated protein 2 (p45) isoform X1
XP_006638731.1	sphingolipid delta(4)-desaturase DES1-like
WP_002762456.1	sphingomyelin phosphodiesterase
NP_001025390.1	sphingomyelin phosphodiesterase 2
XP_005170892.1	sphingomyelin phosphodiesterase 2, neutral isoform X1
XP_001338369.2	sphingomyelin phosphodiesterase 2-like
NP_001116222.1	sphingomyelin phosphodiesterase 3
XP_004086304.1	sphingomyelin phosphodiesterase 3-like
XP_006801449.1	sphingomyelin phosphodiesterase 3-like isoform X2
XP_005161267.1	sphingomyelin phosphodiesterase 4 isoform X1
NP_001071083.1	sphingomyelin phosphodiesterase 5
XP_005170233.1	sphingomyelin phosphodiesterase, acid-like 3A isoform X1
XP_006800128.1	sphingomyelin phosphodiesterase-like
XP_006016356.1	sphingomyelin synthase-related protein 1
XP_004555980.1	sphingomyelin synthase-related protein 1-like isoform X1
NP_571766.2	sphingosine 1-phosphate receptor 1
XP_006631663.1	sphingosine 1-phosphate receptor 1-like
XP_006631545.1	sphingosine 1-phosphate receptor 2-like
XP_005173925.1	sphingosine 1-phosphate receptor 3-like
XP_003200262.2	sphingosine kinase 2-like
XP_004539298.1	sphingosine kinase 2-like isoform X2
NP_001082938.1	sphingosine-1-phosphate lyase 1
XP_684347.1	sphingosine-1-phosphate phosphatase 1-like
XP_002664750.1	sphingosine-1-phosphate phosphatase 2-like
NP_001008636.1	spindle and centriole associated protein 1
XP_005162750.1	spindle and centriole associated protein 1 isoform X1
NP_001002592.1	spindle and kinetochore-associated protein 1
NP_001187439.1	spindle and kinetochore-associated protein 2
XP_005167646.1	spindle and kinetochore-associated protein 3 isoform X1
XP_003456630.2	spindle and kinetochore-associated protein 3-like isoform X1
XP_006639926.1	spindlin-1-like
XP_004552837.1	spindlin-1-like isoform X1
XP_003205591.1	spindlin-W-like
XP_001339043.4	spindlin-W-like, partial
XP_001331783.2	spindlin-Z-like
ABC88834.1	spinster-like 3
NP_001003474.1	splA/ryanodine receptor domain and SOCS box containing 4b
XP_005163238.1	spleen focus forming virus (SFFV) proviral integration oncogene spi 1a isoform X1
XP_005463661.1	spliceosome RNA helicase DDX39B-like isoform X1
XP_005534575.1	spliceosome RNA helicase DDX39B-like, partial
NP_956388.1	splicing factor 3A subunit 1
EMP34863.1	Splicing factor 3A subunit 3
NP_001004782.1	splicing factor 3a, subunit 2, 66kDa
XP_684311.1	splicing factor 3B subunit 1 isoformX1
XP_006636349.1	splicing factor 3B subunit 1-like
NP_001098747.1	splicing factor 3B subunit 2
XP_003978100.1	splicing factor 3B subunit 2-like
ACN10473.1	Splicing factor 3B subunit 3
XP_002667683.2	splicing factor 3B subunit 3-like
EMP38822.1	Splicing factor 45
XP_005460460.1	splicing factor 45-like isoform X2
EMP29870.1	Splicing factor U2AF 26 kDa subunit
EMP28802.1	Splicing factor U2AF 65 kDa subunit
XP_005312102.1	splicing factor U2AF 65 kDa subunit isoform X1
XP_005814443.1	splicing factor U2AF 65 kDa subunit-like
XP_003442643.1	splicing factor U2AF 65 kDa subunit-like isoform 1
XP_003442644.1	splicing factor U2AF 65 kDa subunit-like isoform 2
NP_955870.1	splicing factor, arginine/serine-rich 11
XP_695887.5	splicing factor, arginine/serine-rich 15
XP_005164125.1	splicing factor, arginine/serine-rich 19 isoform X1
XP_005164126.1	splicing factor, arginine/serine-rich 19 isoform X2
EPY83868.1	splicing factor, arginine/serine-rich 7
XP_005165347.1	splicing factor, arginine/serine-rich 7 isoform X3
NP_957462.2	splicing factor, arginine/serine-rich 8
NP_998443.1	splicing factor, proline- and glutamine-rich
XP_006640455.1	splicing factor, suppressor of white-apricot homolog

XP_005451394.1 splicing factor, suppressor of white-apricot homolog isoform X1
 XP_005165711.1 splicing regulatory glutamine/lysine-rich protein 1 isoform X1
 XP_005301066.1 splicing regulatory glutamine/lysine-rich protein 1 isoform X4
 A2SWM2.2 SPNS2_DANRE RecName: Full=Protein spinster homolog 2; AltName: Full=Protein two of hearts
 A0JMG1.2 SPOLB_DANRE RecName: Full=Speckle-type POZ protein-like B; AltName: Full=HIB homolog 3
 AAI62653.1 Spon1b protein
 NP_571592.1 spondin 1b precursor
 AAI62543.1 Spondin 2a, extracellular matrix protein
 EMP36812.1 Spondin-1
 NP_571590.1 spondin-1 precursor
 XP_006642576.1 spondin-1-like
 XP_005157268.1 spondin-2 isoform X1
 XP_006817934.1 spore wall protein 2-like
 ABC75548.1 Spp1
 XP_005159304.1 sprouty-related, EVH1 domain containing 3 isoform X1
 XP_003962793.1 sprouty-related, EVH1 domain-containing protein 1-like
 XP_686737.2 sprouty-related, EVH1 domain-containing protein 2-like
 XP_005173863.1 sprT-like domain-containing protein Spartan-like isoform X1
 XP_005173864.1 sprT-like domain-containing protein Spartan-like isoform X2
 NP_001099164.1 SPRY domain-containing protein 3
 NP_001002477.1 SPRY domain-containing protein 4
 NP_001020631.1 SPRY domain-containing SOCS box protein 1
 NP_001187286.1 spry domain-containing socs box protein 3
 XP_002662894.2 SPRY domain-containing SOCS box protein 3-like
 NP_001243571.1 SPRY domain-containing SOCS box protein 4
 Q9DDT5.1 SPT5H_DANRE RecName: Full=Transcription elongation factor SPT5; AltName: Full=DRB sensitivity-inducing factor large subunit; Short=DSIF large subunit; AltName: Full=Protein foggy
 NP_001103509.1 squalene monooxygenase
 XP_003965881.1 squalene monooxygenase-like
 XP_004541880.1 squalene synthase-like isoform X1
 ACN60238.1 Squalene synthetase
 NP_001025289.1 squamous cell carcinoma antigen recognized by T-cells 3
 XP_005165210.1 squamous cell carcinoma antigen recognized by T-cells 3 isoform X1
 ABW77491.1 Src family associated phosphoprotein 1
 NP_001104305.1 Src homology 2 domain containing transforming protein D, a
 XP_005164204.1 SRC kinase signaling inhibitor 1 isoform X1
 XP_005164205.1 SRC kinase signaling inhibitor 1 isoform X2
 XP_005164206.1 SRC kinase signaling inhibitor 1 isoform X3
 XP_005164207.1 SRC kinase signaling inhibitor 1 isoform X4
 XP_694218.5 SRC kinase signaling inhibitor 1 isoform X6
 XP_006638253.1 SRC kinase signaling inhibitor 1-like
 XP_004552312.1 SRC kinase signaling inhibitor 1-like isoform X1
 NP_001188121.1 src kinase-associated phosphoprotein 2
 XP_003969643.1 src substrate protein p85-like
 Q1JPZ3.2 SRC_DANRE RecName: Full=Proto-oncogene tyrosine-protein kinase Src; AltName: Full=Proto-oncogene c-Src; AltName: Full=pp60c-src; Short=p60-Src
 AAY85299.1 SRC1, partial
 NP_001030161.1 src-like-adaptor
 XP_005986833.1 src-like-adaptor 2
 XP_005158250.1 src-like-adaptor-like
 NP_001129722.2 src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites-like
 B0S6J3.1 SRGP2_DANRE RecName: Full=SLIT-ROBO Rho GTPase-activating protein 2; Short=srGAP2
 AAH90279.1 Srl protein
 AAH67641.1 Srp72 protein, partial
 XP_004070732.1 SRSF protein kinase 1-like
 XP_694973.5 SRSF protein kinase 2 isoform X2
 XP_005170707.1 SRSF protein kinase 2-like isoform X4
 XP_005162026.1 SRSF protein kinase 3-like isoform X2
 NP_998287.1 SRY-box containing gene 4a
 NP_001158340.1 SRY-box containing gene 6b
 NP_001158342.1 SRY-box containing gene 8
 AAH74541.1 Ssrp1 protein, partial
 AAH77083.1 Ssrp1b protein
 Q7T2V2.1 ST1S3_DANRE RecName: Full=Cytosolic sulfotransferase 3; AltName: Full=SULT1 ST3
 NP_956649.1 ST3 beta-galactoside alpha-2,3-sialyltransferase 3a
 XP_005165740.1 ST3 beta-galactoside alpha-2,3-sialyltransferase 3a isoform X1
 XP_005163395.1 ST3 beta-galactoside alpha-2,3-sialyltransferase 3b isoform X1
 NP_001004016.2 ST3 beta-galactoside alpha-2,3-sialyltransferase 5, like
 CAF25178.1 ST3Gal III-related alpha-2,3-sialyltransferase
 AAH93103.1 St3gal2l protein
 NP_001182543.1 stabilin-1 precursor
 XP_006630734.1 stabilin-1-like
 XP_005164725.1 stabilin-2
 NP_001277107.1 stabilin-2 precursor

XP_006633150.1	stabilin-2-like
NP_001013310.1	STAGA complex 65 subunit gamma
NP_001032659.1	STAM binding protein
XP_006637014.1	stannin-like
BAD99602.1	stanniocalcin
NP_001038922.1	stanniocalcin 1 precursor
XP_005170341.1	stanniocalcin-2
XP_005164771.1	staphylococcal nuclease domain-containing protein 1 isoform X1
XP_004083218.1	staphylococcal nuclease domain-containing protein 1-like
XP_005451666.1	staphylococcal nuclease domain-containing protein 1-like isoform X2
AAI59239.1	Stard10 protein
XP_005172786.1	stAR-related lipid transfer protein 13 isoform X1
XP_005172787.1	stAR-related lipid transfer protein 13 isoform X2
XP_683100.5	stAR-related lipid transfer protein 13 isoform X3
XP_006628230.1	stAR-related lipid transfer protein 13-like
XP_005463306.1	stAR-related lipid transfer protein 13-like isoform X2
NP_571737.1	stAR-related lipid transfer protein 3
XP_003964940.1	stAR-related lipid transfer protein 3-like
XP_001337240.3	stAR-related lipid transfer protein 5-like
XP_005951594.1	stAR-related lipid transfer protein 5-like isoform X2
XP_005171942.1	stAR-related lipid transfer protein 8 isoform X1
XP_005171943.1	stAR-related lipid transfer protein 8 isoform X2
XP_001921905.4	stAR-related lipid transfer protein 9-like isoform X1
XP_005158918.1	stAR-related lipid transfer protein 9-like isoform X2
AAH63977.1	START domain containing 10
AFL69829.1	STAT2
AAT95391.1	stat5.1
AAI39518.1	Stat5.2 protein
NP_001187341.1	stathmin-4
Q7ZW47.2	STAU2_DANRE RecName: Full=Double-stranded RNA-binding protein Staufen homolog 2
EHB16806.1	STE20/SPS1-related proline-alanine-rich protein kinase
XP_006636599.1	STE20/SPS1-related proline-alanine-rich protein kinase-like
XP_005156928.1	STE20-like kinase a isoform X1
XP_005225641.1	STE20-like kinase isoform X1
XP_005155384.1	STE20-like serine/threonine-protein kinase-like
XP_006783813.1	STE20-like serine/threonine-protein kinase-like isoform X1
XP_006795781.1	STE20-related kinase adapter protein beta-like isoform X1
AAL99291.1	stearoyl-CoA desaturase
XP_420557.4	stearoyl-CoA desaturase 5 isoform X3
XP_004324517.1	stearoyl-CoA desaturase 5-like, partial
XP_005156902.1	stearoyl-CoA desaturase b isoform X1
XP_001343792.4	stereocilin-like
NP_001124068.1	sterile alpha and TIR motif-containing protein 1
XP_005157704.1	sterile alpha and TIR motif-containing protein 1 isoform X1
NP_001103868.1	sterile alpha motif domain containing 10
NP_001070207.1	sterile alpha motif domain containing 13
XP_005163839.1	sterile alpha motif domain containing 1a isoform X1
XP_005171362.1	sterile alpha motif domain containing 7 isoform X2
XP_006785608.1	sterile alpha motif domain-containing protein 11-like
XP_004607829.1	sterile alpha motif domain-containing protein 12
XP_003199616.1	sterile alpha motif domain-containing protein 14-like
XP_004083375.1	sterile alpha motif domain-containing protein 15-like
XP_006793085.1	sterile alpha motif domain-containing protein 15-like isoform X1
XP_001338767.5	sterile alpha motif domain-containing protein 3 isoform X1
XP_005160967.1	sterile alpha motif domain-containing protein 3-like
XP_003975455.1	sterile alpha motif domain-containing protein 7-like
XP_002666995.3	sterile alpha motif domain-containing protein 9
XP_005161888.1	sterile alpha motif domain-containing protein 9-like
XP_006629247.1	steroid 17-alpha-hydroxylase/17,20 lyase-like
XP_005472537.1	steroid 21-hydroxylase-like isoform X6
AAI33965.1	Steroid 5 alpha-reductase 3
XP_005301684.1	steroid hormone receptor ERR2 isoform X1
XP_006632269.1	steroid hormone receptor ERR2-like isoform X3
ACM08712.1	Steroid receptor RNA activator 1
XP_006632032.1	steroid receptor RNA activator 1-like
NP_001017703.1	steroid-5-alpha-reductase, alpha polypeptide 2a
NP_001187519.1	steroidogenic acute regulatory protein, mitochondrial
XP_006630403.1	steroidogenic acute regulatory protein, mitochondrial-like
XP_686522.4	sterol 26-hydroxylase, mitochondrial
NP_001006093.1	sterol carrier protein 2b
CBN80839.1	Sterol O-acyltransferase 2
XP_006629440.1	sterol O-acyltransferase 2-like
AFH35105.1	sterol regulatory element-binding protein 1
XP_005734660.1	sterol regulatory element-binding protein 1-like
NP_001082935.1	sterol regulatory element-binding protein 2
XP_005171560.1	sterol regulatory element-binding protein 2 isoform X1
XP_686585.3	sterol regulatory element-binding protein cleavage-activating protein-like isoform X2
XP_005455204.1	sterol regulatory element-binding protein cleavage-activating protein-like isoform X3

NP_001017674.1 sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating
 XP_005157252.1 sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating isoform X1
 XP_003445987.1 sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating-like
 XP_005168454.1 steryl-sulfatase
 XP_004564197.1 steryl-sulfatase-like
 AAH91991.1 Stil protein
 XP_005170746.1 stimulated by retinoic acid gene 6 homolog isoform X1
 ABC69929.1 STIP
 XP_005812086.1 STIP1 homology and U box-containing protein 1-like
 B8JKF4.1 STN1_DANRE RecName: Full=CST complex subunit STN1; AltName: Full=Oligonucleotide/oligosaccharide-binding fold-containing protein 1; AltName: Full=Suppressor of cdc thirteen homolog
 XP_006638839.1 stonin-1-like
 XP_005288896.1 stonustoxin subunit alpha-like
 XP_005159875.1 store-operated calcium entry-associated regulatory factor isoform X1
 NP_001116482.1 storkhead-box protein 1
 XP_005456589.1 storkhead-box protein 1-like
 XP_002191012.1 storkhead-box protein 2
 XP_001922898.3 storkhead-box protein 2 isoform X1
 XP_006253213.1 storkhead-box protein 2 isoform X4
 XP_001919441.4 storkhead-box protein 2-like
 XP_005458896.1 storkhead-box protein 2-like isoform X1
 AGM53488.1 Stra8
 NP_001232891.1 strawberry notch homolog 2a
 XP_005327316.1 stress-70 protein, mitochondrial
 XP_004575317.1 stress-70 protein, mitochondrial-like isoform X1
 NP_001167099.1 Stress-activated map kinase-interacting protein 1
 NP_001007767.1 stress-induced-phosphoprotein 1
 XP_691634.6 striated muscle-specific serine/threonine-protein kinase
 XP_005995854.1 striated muscle-specific serine/threonine-protein kinase-like
 NP_001074111.1 striatin
 XP_005993699.1 striatin isoform X1
 CAI29388.1 striatin, calmodulin binding protein 3
 XP_005169761.1 striatin-4 isoform X1
 XP_691246.3 striatin-4 isoform X2
 XP_006780662.1 striatin-interacting protein 1 homolog isoform X1
 XP_006780663.1 striatin-interacting protein 1 homolog isoform X2
 XP_005455627.1 striatin-interacting protein 1 homolog isoform X3
 XP_006899370.1 striatin-interacting protein 1-like
 XP_003976179.1 striatin-like
 XP_003456534.1 striatin-like isoform 1
 NP_001093498.1 stromal antigen 2
 NP_956333.1 stromal cell-derived factor 2 precursor
 ADF97601.1 stromal cell-derived factor 2-like 1
 NP_001189470.1 stromal interaction molecule 1b precursor
 XP_006628208.1 stromal interaction molecule 1-like
 XP_004558309.1 stromal interaction molecule 1-like isoform X1
 XP_005460751.1 stromal interaction molecule 1-like isoform X2
 XP_002660454.2 stromal interaction molecule 2
 XP_004079943.1 stromal interaction molecule 2-like
 NP_001071246.1 stromal membrane-associated protein 1
 XP_006638766.1 stromal membrane-associated protein 1-like isoform X2
 NP_001038260.1 stromal membrane-associated protein 2
 XP_005159733.1 stromal membrane-associated protein 2 isoform X1
 XP_005453906.1 stromal membrane-associated protein 2-like isoform X2
 XP_694153.4 stromelysin-3
 XP_006640467.1 stromelysin-3-like
 NP_997975.2 structural maintenance of chromosomes 1A, like
 NP_955836.2 structural maintenance of chromosomes 2
 XP_002938954.1 structural maintenance of chromosomes flexible hinge domain-containing protein 1 isoform X1
 XP_699397.5 structural maintenance of chromosomes flexible hinge domain-containing protein 1-like, partial
 NP_001155103.1 structural maintenance of chromosomes protein 1A
 ETE73151.1 Structural maintenance of chromosomes protein 1A, partial
 XP_005732668.1 structural maintenance of chromosomes protein 1A-like
 XP_001334257.2 structural maintenance of chromosomes protein 1B isoform 1
 XP_005747106.1 structural maintenance of chromosomes protein 2-like
 XP_005320856.1 structural maintenance of chromosomes protein 3
 EMP39780.1 Structural maintenance of chromosomes protein 3, partial
 XP_003450008.1 structural maintenance of chromosomes protein 3-like
 XP_006022695.1 structural maintenance of chromosomes protein 5
 XP_006627036.1 structural maintenance of chromosomes protein 5-like
 XP_005158646.1 structural maintenance of chromosomes protein 6 isoform X2
 XP_001337124.1 structure-specific endonuclease subunit slx1-like
 XP_005951335.1 structure-specific endonuclease subunit slx1-like isoform X2
 XP_003201146.2 structure-specific endonuclease subunit SLX4
 XP_006008551.1 substance-P receptor-like

EPY77719.1 Succinate dehydrogenase ubiquinone flavoprotein subunit, mitochondrial precursor isoform 1-like protein

XP_004566884.1 succinate dehydrogenase ubiquinone flavoprotein subunit, mitochondrial-like

XP_005800987.1 succinate receptor 1-like

XP_006634478.1 succinate--hydroxymethylglutarate CoA-transferase-like

XP_004572162.1 succinate-semialdehyde dehydrogenase, mitochondrial-like

XP_004065918.1 succinyl-CoA ligase ADP/GDP-forming subunit alpha, mitochondrial-like

XP_006806485.1 succinyl-CoA ligase ADP-forming subunit beta, mitochondrial-like

XP_001923821.1 succinyl-CoA ligase GDP-forming subunit beta, mitochondrial

XP_006800017.1 sucrase-isomaltase, intestinal-like

XP_002666665.2 sucrase-isomaltase, intestinal-like, partial

NP_001133658.1 sugar kinase FLJ10986 homolog

NP_998179.1 sugar phosphate exchanger 2

XP_002667251.2 sugar phosphate exchanger 3 isoform X1

AAR04056.1 sulfatase FP1a

ADO28287.1 sulfatase-modifying factor 1

NP_001005980.1 sulfatase-modifying factor 2 precursor

NP_001167113.1 Sulfate transporter

XP_685114.1 sulfate transporter isoform X2

NP_001121836.1 sulphydryl oxidase 1

XP_688053.6 sulhydryl oxidase 2-like

XP_005163219.1 sulfide:quinone oxidoreductase, mitochondrial isoform X2

XP_002663173.1 sulfiredoxin-1

XP_003973183.1 sulfite oxidase, mitochondrial-like

NP_001002599.1 sulfotransferase 1C1

NP_001035334.1 sulfotransferase 4A1

XP_006633161.1 sulfotransferase 4A1-like

ADO27748.1 sulfotransferase 6b1

NP_001071637.1 sulfotransferase family 2, cytosolic sulfotransferase 2

NP_001071636.2 sulfotransferase family 2, cytosolic sulfotransferase 3

NP_001073416.1 sulfotransferase family 3, cytosolic sulfotransferase 2

NP_001076345.1 sulfotransferase family 3, cytosolic sulfotransferase 3

NP_001187828.1 sulfotransferase family cytosolic 2b member 1

AAO64984.1 SULT1 sulfotransferase isoform 2

NP_001077311.1 SUMO1/sentrin/SMT3 specific peptidase 3b

ADO27732.1 sumo-activating enzyme subunit 1

NP_998528.1 SUMO-activating enzyme subunit 2

XP_005751568.1 SUMO-activating enzyme subunit 2-like isoform X2

XP_005160502.1 SUN domain-containing ossification factor isoform X2

XP_006635358.1 SUN domain-containing ossification factor-like

XP_005458129.1 SUN domain-containing ossification factor-like isoform X1

XP_005923300.1 SUN domain-containing ossification factor-like isoform X4

XP_005732485.1 SUN domain-containing ossification factor-like, partial

XP_004598223.1 SUN domain-containing protein 1

XP_003199617.2 SUN domain-containing protein 1 isoform X1

XP_005997027.1 SUN domain-containing protein 1 isoform X4

XP_004840381.1 SUN domain-containing protein 1 isoform X8

XP_005811002.1 SUN domain-containing protein 1-like

ELK38593.1 SUN domain-containing protein 2

XP_001919691.1 SUN domain-containing protein 2-like

XP_007118904.1 superkiller viralicidic activity 2-like 2

XP_006627067.1 superkiller viralicidic activity 2-like 2-like

AAV86980.1 superoxide dismutase 2

XP_006983646.1 superoxide dismutase Cu-Zn

XP_003197996.2 supervillin

XP_005164223.1 supervillin isoform X2

XP_005156251.1 supervillin isoform X5

XP_005164228.1 supervillin isoform X7

XP_006638211.1 supervillin-like

XP_005471698.1 supervillin-like isoform X10

AAI15343.1 Suppression of tumorigenicity 14 (colon carcinoma) a

XP_005161261.1 suppression of tumorigenicity 14 (colon carcinoma) b isoform X1

XP_003201384.2 suppression of tumorigenicity 18 protein, partial

NP_001002327.1 suppression of tumorigenicity 5 protein

XP_005024778.1 suppression of tumorigenicity 5 protein isoform X2

XP_006133832.1 suppression of tumorigenicity 5 protein isoform X5

XP_006642664.1 suppression of tumorigenicity 5 protein-like

XP_005930145.1 suppressor APC domain-containing protein 2-like isoform X2

NP_001239559.1 suppressor of cytokine signaling 1b

XP_006637341.1 suppressor of cytokine signaling 1-like

NP_001188183.1 suppressor of cytokine signaling 3

XP_005156413.1 suppressor of cytokine signaling 3b isoform X1

XP_005169899.1 suppressor of cytokine signaling 4 isoform X1

XP_005156658.1 suppressor of cytokine signaling 5 isoform X1

NP_955919.1 suppressor of cytokine signaling 6b

XP_687041.2 suppressor of cytokine signaling 6-like

NP_001182101.1 suppressor of cytokine signaling 7

XP_005155819.1 suppressor of cytokine signaling 7 isoform X1

XP_003199509.1 suppressor of cytokine signaling 7-like isoform X1

NP_001116398.1 suppressor of cytokine signaling 9
 XP_004701359.1 suppressor of fused homolog
 NP_001007362.1 suppressor of G2 allele of SKP1 homolog
 XP_005458188.1 suppressor of G2 allele of SKP1 homolog isoform X2
 XP_005435436.1 suppressor of hairless protein homolog
 XP_004936193.1 suppressor of hairless protein homolog isoform X10
 XP_006631649.1 suppressor of SWI4 1 homolog
 XP_685356.5 suppressor of tumorigenicity 14 protein homolog
 XP_002666698.2 suppressor of tumorigenicity 14 protein-like
 XP_006628362.1 suppressor of tumorigenicity 7 protein-like
 AAH63248.1 Suppressor of Ty 6 homolog (*S. cerevisiae*)
 NP_001091656.1 suppressor of variegation 4-20 protein-like 2
 XP_001344438.5 suppressor protein SRP40
 AA129290.1 Supt71 protein
 WP_001555726.1 surface-exposed virulence protein BigA
 NP_001002470.1 surfeit gene 4, like
 NP_001187274.1 surfeit locus protein 1
 XP_003445225.1 surfeit locus protein 2-like
 XP_004074799.1 surfeit locus protein 4-like
 XP_006640099.1 SURP and G-patch domain-containing protein 1-like
 EAW49563.1 survival motor neuron domain containing 1, isoform CRA_b
 NP_001187802.1 survival motor neuron protein 1
 NP_001188157.1 survival of motor neuron protein-interacting protein 1
 NP_997766.1 survival of motor neuron-related-splicing factor 30
 XP_006640366.1 sushi domain-containing protein 2-like
 XP_001333073.5 sushi domain-containing protein 2-like, partial
 XP_688793.1 sushi domain-containing protein 4-like
 XP_005916955.1 sushi domain-containing protein 4-like isoform X1
 XP_005159810.1 sushi domain-containing protein 5-like
 XP_002664481.2 sushi repeat-containing protein SRPX2-like
 XP_006637804.1 sushi, nidogen and EGF-like domain-containing protein 1-like
 XP_001341690.4 sushi, nidogen and EGF-like domains 1
 XP_695742.6 sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1-like

 XP_003976891.1 sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1-like, partial

 AA165725.1 Sushi-repeat-containing protein
 XP_005167753.1 sushi-repeat-containing protein isoform X1
 NP_001014348.1 sushi-repeat-containing protein precursor
 XP_005469650.1 SUZ domain-containing protein 1-like isoform X2
 Q5EB14.2 SWET1_DANRE RecName: Full= Sugar transporter SWEET1; AltName: Full=RAG1-activating protein 1; AltName: Full=Solute carrier family 50 member 1
 XP_006985935.1 SWI/SNF complex subunit SMARCC1
 XP_003200294.1 SWI/SNF complex subunit SMARCC1 isoform X1
 XP_006635727.1 SWI/SNF complex subunit SMARCC1-like
 XP_695864.3 SWI/SNF complex subunit SMARCC2
 XP_006807622.1 SWI/SNF complex subunit SMARCC2-like isoform X2
 XP_005161201.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1b isoform X1
 XP_005161202.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1b isoform X2

 NP_001082836.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1b

 CAJ82676.1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1

 NP_001018610.2 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1A
 XP_005795086.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1A-like
 XP_005155692.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1B-like isoform X1
 XP_691636.5 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1B-like isoform X2

 EGV93835.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5

 EMP26686.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1

 NP_938172.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1

 XP_004547673.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1-like isoform X1
 XP_692749.2 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 2

 NP_001120778.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3
 XP_005163573.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3 isoform X1
 XP_006235946.1 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3 isoform X2

XP_005164046.1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 isoform X1
NP_001038693.1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related isoform 2
XP_003438419.1	swi5-dependent recombination DNA repair protein 1 homolog isoform X1
NP_001038451.1	switch-associated protein 70
XP_006642557.1	switch-associated protein 70-like
Q9DDD7.1	SX19B_DANRE RecName: Full=Transcription factor Sox-19b; AltName: Full=Protein sox-31
XP_005165630.1	symplekin isoform X1
XP_005463399.1	symplekin isoform X2
XP_005939881.1	symplekin-like
XP_005158474.1	synapse differentiation-inducing gene protein 1-like
XP_006639176.1	synapse-associated protein 1-like
BAH84839.1	synapsin II
XP_006631092.1	synapsin-2-like
XP_005805728.1	synapsin-2-like isoform X1
EMC84940.1	Synapsin-3, partial
XP_006633712.1	synapsin-3-like
ADN07510.1	synaptic nuclear envelope 1, 3 prime
XP_005165254.1	synaptic vesicle 2-related protein isoform X1
XP_687570.2	synaptic vesicle 2-related protein isoform X2
XP_696434.2	synaptic vesicle glycoprotein 2A-like isoformX2
XP_005174356.1	synaptic vesicle glycoprotein 2B
XP_004069824.1	synaptic vesicle glycoprotein 2B-like
NP_001121811.1	synaptic vesicle glycoprotein 2C
XP_005165299.1	synaptic vesicle glycoprotein 2C isoform X1
XP_004544506.1	synaptic vesicle glycoprotein 2C-like
XP_005173924.1	synaptic vesicle glycoprotein 2C-like, partial
XP_006641258.1	synaptic vesicle membrane protein VAT-1 homolog-like
NP_001076464.1	synaptic vesicle protein 2B homolog
EPQ16090.1	Synaptic vesicular amine transporter
NP_957386.1	synaptobrevin homolog YKT6
NP_001093911.1	synaptogyrin 3
NP_001018427.1	synaptogyrin 3a
NP_001006067.1	synaptogyrin-1
XP_004066122.1	synaptogyrin-1-like isoform 2
XP_005155417.1	synaptotjanin-1 isoform X4
XP_005155419.1	synaptotjanin-1 isoform X6
XP_005155420.1	synaptotjanin-1 isoform X7
XP_005155421.1	synaptotjanin-1 isoform X8
XP_005746650.1	synaptotjanin-1-like isoform X5
NP_001018339.1	synaptonemal complex central element protein 2
NP_001112366.1	synaptonemal complex protein 1
XP_685048.5	synaptonemal complex protein 2
XP_005162634.1	synaptonemal complex protein 2-like-like isoform X3
NP_001117979.1	synaptonemal complex protein 3
XP_004937894.1	synaptonemal complex protein 3 isoform X4
NP_001119910.1	synaptonemal complex protein SC65
XP_003964937.1	synaptonemal complex protein SC65-like
NP_001137449.1	synaptophysin
XP_004546435.1	synaptophysin-like
NP_956961.1	synaptophysin-like 2a
XP_005172955.1	synaptophysin-like 2a isoform X1
NP_997834.1	synaptophysin-like 2b
XP_002661387.1	synaptophysin-like protein 1-like
XP_001341280.3	synaptopodin 2-like b isoform X1
XP_004554489.1	synaptopodin 2-like isoform X1
NP_001004532.1	synaptoporin precursor
XP_686583.4	synaptoporin-like isoform X2
AAT84082.1	synaptosomal-associated protein
XP_003962445.1	synaptosomal-associated protein 23-like
NP_001187372.1	synaptosomal-associated protein 29
NP_001038902.1	synaptosomal-associated protein 47
AAH66570.1	Synaptotagmin binding, cytoplasmic RNA interacting protein, like
NP_001082930.1	synaptotagmin Ib
NP_001096607.1	synaptotagmin Va
AAH44424.1	Synaptotagmin XI
NP_001156003.1	synaptotagmin XIb
XP_698786.1	synaptotagmin-1
NP_001076311.1	synaptotagmin-10
XP_005164716.1	synaptotagmin-10 isoform X2
NP_001122205.1	synaptotagmin-12
XP_005453163.1	synaptotagmin-12-like isoform X1
XP_005169035.1	synaptotagmin-13 isoform X1
NP_001017652.1	synaptotagmin-13 precursor
XP_006807552.1	synaptotagmin-14-like
XP_005738984.1	synaptotagmin-14-like isoform X1
XP_001338475.1	synaptotagmin-15-like isoform X1

XP_003199790.2	synaptotagmin-16
XP_006632392.1	synaptotagmin-16-like
XP_004068872.1	synaptotagmin-1-like
XP_004548490.1	synaptotagmin-1-like isoform X5
XP_001343313.3	synaptotagmin-2
XP_005166210.1	synaptotagmin-2-like isoform X1
XP_688092.3	synaptotagmin-2-like isoform X4
NP_956242.1	synaptotagmin-4
XP_005913088.1	synaptotagmin-5-like
XP_001920463.2	synaptotagmin-6
XP_005799033.1	synaptotagmin-6-like
NP_001232886.1	synaptotagmin-7
XP_005174300.1	synaptotagmin-7-like isoform X1
XP_005174301.1	synaptotagmin-7-like isoform X2
XP_005174302.1	synaptotagmin-7-like isoform X3
XP_001336058.4	synaptotagmin-9
XP_005252852.1	synaptotagmin-9 isoform X1
XP_005164031.1	synaptotagmin-C-like
XP_701277.6	synaptotagmin-like 2b
XP_005167831.1	synaptotagmin-like 5 isoform X1
XP_686619.6	synaptotagmin-like 5 isoform X2
XP_006632713.1	synaptotagmin-like protein 2-like
XP_005172759.1	synaptotagmin-like protein 2-like isoform X3
XP_005172760.1	synaptotagmin-like protein 2-like isoform X4
NP_001133698.1	syncoilin
XP_006627777.1	syncollin-like
NP_001187727.1	syndecan-2-b precursor
XP_006635709.1	syndecan-2-like
XP_001919756.4	syndecan-3, partial
XP_005740943.1	syndecan-4-like isoform X1
NP_001005588.1	synembryn-A
XP_005163045.1	synembryn-A isoform X1
XP_005164124.1	synembryn-A-like isoform X1
XP_685996.5	synembryn-A-like isoform X2
NP_001005293.1	synembryn-B
XP_005157496.1	synergina gamma isoform X2
XP_005157497.1	synergina gamma isoform X3
XP_005157499.1	synergina gamma isoform X5
XP_006627002.1	synphilin-1-like
XP_005938695.1	synphilin-1-like isoform X1
XP_005158279.1	syntabulin isoform X1
XP_005167383.1	syntaphilin-like
XP_005162145.1	syntaphilin-like isoform X1
NP_957156.1	syntaxin 1b, tandem duplicate 1
NP_001002333.1	syntaxin 5
ADG29190.1	syntaxin 8
NP_001082845.1	syntaxin binding protein 1b
XP_005167782.1	syntaxin binding protein 5-like isoform X1
XP_005167786.1	syntaxin binding protein 5-like isoform X5
XP_005167787.1	syntaxin binding protein 5-like isoform X6
XP_005167789.1	syntaxin binding protein 5-like isoform X8
XP_005167790.1	syntaxin binding protein 5-like isoform X9
XP_004084264.1	syntaxin-10-like
NP_001187368.1	syntaxin-11
XP_691316.2	syntaxin-16 isoformX2
NP_001007450.1	syntaxin-17
XP_005158110.1	syntaxin-17 isoform X1
ADO28217.1	syntaxin-18
XP_005168030.1	syntaxin-19-like
XP_004761720.1	syntaxin-1A isoform X1
XP_001345316.3	syntaxin-1A-like
XP_005167314.1	syntaxin-2-like isoform X2
ELW66920.1	Syntaxin-3
XP_005173167.1	syntaxin-3 isoform X5
XP_003444631.1	syntaxin-3-like isoformX3
XP_005405348.1	syntaxin-4
ETE61242.1	Syntaxin-5, partial
NP_001017879.1	syntaxin-6
XP_006635117.1	syntaxin-6-like isoform X1
NP_001134139.1	Syntaxin-7
NP_001020353.1	syntaxin-binding protein 1
XP_005161170.1	syntaxin-binding protein 1 isoform X1
XP_006803606.1	syntaxin-binding protein 1-like
XP_005465472.1	syntaxin-binding protein 1-like isoform X3
NP_998454.1	syntaxin-binding protein 2
XP_005163805.1	syntaxin-binding protein 2 isoform X1
XP_005163807.1	syntaxin-binding protein 2 isoform X3
ACN58648.1	Syntaxin-binding protein 3
XP_005805273.1	syntaxin-binding protein 3-like

XP_005923928.1 syntaxin-binding protein 3-like isoform X1
 XP_696322.6 syntaxin-binding protein 4-like
 XP_005164167.1 syntaxin-binding protein 4-like isoform X1
 NP_001093451.1 syntaxin-binding protein 5
 XP_005160754.1 syntaxin-binding protein 5 isoform X1
 XP_004086987.1 syntaxin-binding protein 5-like
 XP_005802643.1 syntaxin-binding protein 5-like isoform X1
 XP_005736710.1 syntaxin-binding protein 5-like isoform X3
 XP_006625873.1 syntaxin-binding protein 5-like isoform X5
 XP_005810099.1 syntaxin-binding protein 5-like isoform X6
 XP_006632482.1 syntaxin-binding protein 6-like
 AAC27646.1 syntenin
 NP_001187790.1 syntenin-1
 XP_005156343.1 synuclein, gamma b (breast cancer-specific protein 1) isoform X1
 NP_001187432.1 sys1-like
 ADG29120.1 systemic RNAi deficient-1
 Q803I8.2 SYVN1_DANRE RecName: Full=E3 ubiquitin-protein ligase synoviolin; AltName: Full=Synovial
 apoptosis inhibitor 1; Flags: Precursor
 BAD88986.1 T cell antigen receptor alpha chain VJC region
 AEM44664.1 T cell receptor alpha
 AEM44666.1 T cell receptor alpha, partial
 AEM44659.1 T cell receptor delta, partial
 AER30047.1 T cell receptor gamma 1, partial
 AER30054.1 T cell receptor gamma 2, partial
 AER30039.1 T cell receptor gamma 3
 Q0V947.2 T161A_DANRE RecName: Full=Transmembrane protein 161A; Flags: Precursor
 ABK81648.1 T1R taste receptor
 Q5RFW2.1 TAB2_DANRE RecName: Full=TGF-beta-activated kinase 1 and MAP3K7-binding protein 2;
 AltName: Full=Mitogen-activated protein kinase kinase kinase 7-interacting protein 2; AltName:
 Full=TGF-beta-activated kinase 1-binding protein 2
 NP_001243567.1 tachykinin receptor 3a
 NP_001243564.1 tachykinin receptor 3-like
 XP_005732658.1 tachykinin-3-like
 NP_001256965.1 tachykinin-4 precursor
 AAH55562.1 Tada2b protein
 AAT68107.1 TAF1B TATA box binding protein (TBP)-associated factor
 FIR3W0.1 TAF1B_DANRE RecName: Full=TATA box-binding protein-associated factor RNA polymerase I
 subunit B; AltName: Full=RNA polymerase I-specific TBP-associated factor 63 kDa; Short=TAFI63;
 AltName: Full=TATA box-binding protein-associated factor 1B; Short=TBP-associated factor 1B
 AAH76415.1 Taf2 protein, partial
 NP_956146.1 TAF5-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 5L
 EPY83391.1 TAF6-like RNA polymerase II
 NP_001186651.1 TAF6-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 6L
 XP_005172251.1 TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor isoform X2
 AAI22277.1 TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor
 NP_001187914.1 tafazzin
 XP_005595036.1 tafazzin isoform X2
 NP_001003413.1 tail-anchored protein insertion receptor WRB precursor
 AHK09955.1 TAK1-binding protein 1
 AHK09956.1 TAK1-binding protein 2
 XP_005210181.1 talin-1 isoform X1
 XP_005155557.1 talin-1 isoform X2
 XP_006627103.1 talin-1-like
 XP_003439546.1 talin-1-like isoform X1
 XP_006628973.1 talin-2-like
 XP_006789383.1 talin-2-like isoform X1
 XP_005928785.1 talin-2-like isoform X2
 XP_005157017.1 tandem C2 domains nuclear protein-like
 ADZ55455.1 TANK-binding kinase 1
 XP_005156306.1 TANK-binding kinase 1-binding protein 1-like
 XP_005171800.1 tankyrase 1 isoform X1
 XP_005161291.1 tankyrase-1 isoform X1
 XP_687410.3 tankyrase-1 isoform X2
 XP_004911093.1 tankyrase-1 isoform X5
 XP_006627219.1 tankyrase-1-like
 XP_006795622.1 tankyrase-1-like isoform X1
 XP_005451455.1 tankyrase-1-like isoform X2
 XP_006006371.1 tankyrase-2 isoform X1
 XP_006630356.1 tankyrase-2-like
 ABU86892.1 tapasin
 ACI33579.1 Tapasin precursor
 XP_001919985.2 tapasin-related protein-like
 XP_005464401.1 tapasin-related protein-like isoform X1
 XP_006640611.1 taperin-like
 XP_005165554.1 taperin-like isoform X1

NP_001243611.1 target of EGR1 protein 1
 XP_688045.4 target of Myb protein 1, partial
 XP_006637006.1 target of Myb protein 1-like
 XP_005161833.1 target of Nesh-SH3 isoform X1
 XP_005161834.1 target of Nesh-SH3 isoform X2
 XP_005167857.1 target of Nesh-SH3-like
 ADB02908.1 target of rapamycin
 XP_006640627.1 target of rapamycin complex 2 subunit MAPKAP1-like
 XP_003198622.1 target of rapamycin complex 2 subunit MAPKAP1-like isoform 1
 XP_003438767.1 target of rapamycin complex subunit Isth-like isoform X1
 XP_006635034.1 tartrate-resistant acid phosphatase type 5-like
 NP_001034717.1 taste receptor type 1 member 3 precursor
 XP_002663453.2 taste receptor type 2 member 14-like
 AA162412.1 Taste receptor, type 1, member 1
 NP_001077325.1 taste receptor, type 1, member 2, tandem duplicate 2 precursor
 NP_001094099.1 taste receptor, type 2, member 202
 NP_001018342.1 taste receptor, type 2, member 203
 NP_001098605.1 taste receptor, type 2, member 3
 NP_001038739.1 TATA box-binding protein-associated factor RNA polymerase I subunit A
 XP_006626053.1 TATA box-binding protein-associated factor RNA polymerase I subunit A-like
 XP_007053252.1 TATA box-binding protein-associated factor RNA polymerase I subunit B
 NP_001004932.1 TATA box-binding protein-like protein 1
 XP_005155860.1 TATA element modulatory factor isoform X1
 XP_005754399.1 TATA element modulatory factor-like
 XP_005169589.1 TATA-binding protein-associated factor 172
 NP_956390.1 TATA-box-binding protein
 NP_001122165.1 TatD DNase domain containing 2
 XP_005158628.1 TatD DNase domain containing 3-like isoform X1
 XP_001340575.3 tau-tubulin kinase 1 isoform X1
 XP_005158761.1 tau-tubulin kinase 1 isoform X3
 XP_004572674.1 tau-tubulin kinase 1-like
 XP_002663847.3 tau-tubulin kinase 1-like isoform X1
 XP_005169444.1 tau-tubulin kinase 1-like isoform X3
 XP_698389.2 tau-tubulin kinase 2
 XP_002665285.3 tau-tubulin kinase 2-like
 XP_006798841.1 tau-tubulin kinase 2-like isoform X1
 CAJ82505.1 Tax1 (human T-cell leukemia virus type I) binding protein 3
 XP_003200620.2 tax1-binding protein 1 homolog A
 XP_005158013.1 tax1-binding protein 1 homolog B isoform X1
 XP_004077873.1 tax1-binding protein 1 homolog B-like
 EGW11325.1 TBC domain-containing protein kinase-like protein
 XP_004065966.1 TBC domain-containing protein kinase-like protein-like
 XP_003972439.1 TBC domain-containing protein kinase-like protein-like isoform 2
 XP_006629963.1 TBC domain-containing protein kinase-like protein-like isoform X2
 XP_005168426.1 TBC1 domain family member 1 isoform X1
 XP_689617.6 TBC1 domain family member 1 isoform X4
 XP_005155517.1 TBC1 domain family member 10A isoform X1
 XP_691101.1 TBC1 domain family member 10A isoform X2
 XP_005473184.1 TBC1 domain family member 10A-like
 XP_005469031.1 TBC1 domain family member 10B-like
 XP_692080.2 TBC1 domain family member 12
 XP_006630427.1 TBC1 domain family member 12-like
 XP_002663958.1 TBC1 domain family member 12-like isoform X1
 XP_005169506.1 TBC1 domain family member 12-like isoform X3
 XP_003440169.1 TBC1 domain family member 13
 XP_004561942.1 TBC1 domain family member 13-like isoform X1
 XP_005166497.1 TBC1 domain family member 14 isoform X3
 XP_005741931.1 TBC1 domain family member 14-like
 NP_001166096.1 TBC1 domain family member 15
 XP_003200122.1 TBC1 domain family member 15-like
 NP_001006076.2 TBC1 domain family member 16
 XP_005164004.1 TBC1 domain family member 17 isoform X1
 XP_006643220.1 TBC1 domain family member 17-like
 NP_956785.1 TBC1 domain family member 19
 XP_006629713.1 TBC1 domain family member 19-like
 NP_001020343.1 TBC1 domain family member 20
 NP_999964.1 TBC1 domain family member 22A
 XP_005168595.1 TBC1 domain family member 22A isoform X1
 XP_005168597.1 TBC1 domain family member 22A isoform X3
 XP_005451808.1 TBC1 domain family member 22B isoform X3
 XP_006931744.1 TBC1 domain family member 22B, partial
 XP_006628486.1 TBC1 domain family member 22B-like
 XP_004573516.1 TBC1 domain family member 22B-like isoform X3
 XP_005165998.1 TBC1 domain family member 23 isoform X1
 NP_001072701.1 TBC1 domain family member 24
 XP_003201409.2 TBC1 domain family member 24-like
 NP_001121708.1 TBC1 domain family member 25
 XP_689604.6 TBC1 domain family member 2A
 XP_006629824.1 TBC1 domain family member 2A-like

XP_002666912.2	TBC1 domain family member 2B isoform X1
XP_005163158.1	TBC1 domain family member 2B isoform X2
XP_005928821.1	TBC1 domain family member 2B-like
XP_005164551.1	TBC1 domain family member 30 isoform X1
XP_005164554.1	TBC1 domain family member 30 isoform X4
XP_002663441.2	TBC1 domain family member 4 isoform X1
XP_005167832.1	TBC1 domain family member 4 isoform X2
XP_003976551.1	TBC1 domain family member 7-like
XP_002663492.3	TBC1 domain family member 8
XP_006037583.1	TBC1 domain family member 8B
XP_005165237.1	TBC1 domain family member 8B isoform X1
XP_003962264.1	TBC1 domain family member 8-like
XP_001501110.3	TBC1 domain family member 9
XP_692034.2	TBC1 domain family member 9 isoform 2
XP_002667253.2	TBC1 domain family member 9B, partial
XP_006631960.1	TBC1 domain family member 9B-like
XP_005932399.1	TBC1 domain family member 9-like isoform X2
AAI71406.1	TBC1 domain family, member 23
AAI33999.1	Tbce1 protein
F1QRX7.1	TBCD7_DANRE RecName: Full=TBC1 domain family member 7
AAH85669.1	Tbce protein
AAI62554.1	T-box 4
NP_001185700.1	T-box 5b
XP_005416135.1	T-box brain protein 1
XP_005168668.1	T-box transcription factor TBX1 isoform X1
XP_005449842.1	T-box transcription factor TBX18-like
XP_003198807.1	T-box transcription factor TBX19-like
XP_003207343.1	t-box transcription factor TBX20-like
NP_001079989.1	T-box transcription factor TBX2-B
XP_003977836.1	T-box transcription factor TBX2b-like
XP_007079743.1	T-box transcription factor TBX3
XP_006788997.1	T-box transcription factor TBX3-like
XP_006127844.1	T-box transcription factor TBX5-like isoform X1
XP_005720562.1	T-box transcription factor TBX5-like isoform X4
XP_005165323.1	T-box transcription factor TBX6L isoform X2
NP_571133.1	T-box-containing protein TBX6L
AAI28813.1	Tbx15 protein
Q7ZTU9.4	TBX2_DANRE RecName: Full=T-box transcription factor TBX2b; Short=T-box protein 2b
BAF37936.1	Tc1-like transposase
AAD03792.1	Tc1-like transposase
NP_001038484.1	TCDD-inducible poly ADP-ribose polymerase
XP_006637623.1	TCDD-inducible poly ADP-ribose polymerase-like
XP_687670.2	T-cell activation inhibitor, mitochondrial-like
NP_001004548.1	T-cell activation Rho GTPase-activating protein
NP_958496.2	T-cell acute lymphocytic leukemia 2
XP_005936460.1	T-cell acute lymphocytic leukemia protein 1 homolog isoform X1
AAA99773.1	T-cell antigen receptor beta
XP_005452885.1	T-cell differentiation antigen CD6-like isoform X2
NP_998234.1	T-cell immune regulator 1
NP_001116089.1	T-cell immunoglobulin and mucin domain containing 4 precursor
XP_003200921.2	T-cell immunoglobulin and mucin domain-containing protein 4-like
XP_006034397.1	T-cell immunomodulatory protein
NP_739571.1	T-cell leukemia homeobox protein 1
XP_006629166.1	T-cell leukemia homeobox protein 1-like
NP_739572.1	T-cell leukemia homeobox protein 3
XP_003970367.1	T-cell leukemia homeobox protein 3-like
XP_004553753.1	T-cell leukemia homeobox protein 3-like isoform X1
ACI68751.1	T-cell leukemia translocation-altered gene protein homolog
AAB02652.1	T-cell receptor alpha
AAB94917.1	T-cell receptor alpha variable region
AAB05251.1	T-cell receptor alpha variable region, partial
CAD57335.1	T-cell receptor beta chain
AAA92561.1	T-cell receptor beta chain 3 variable region, partial
AAB94920.1	T-cell receptor beta variable region
AEL12161.1	T-cell receptor delta
AEL12157.1	T-cell receptor delta, partial
AEK48171.1	T-cell receptor gamma
ABD93353.1	T-cell receptor gamma TS32.17
NP_001187191.1	T-cell surface glycoprotein CD3 zeta chain precursor
NP_001154179.1	TCF3 fusion partner homolog
ADM15562.1	Tcf4, partial
XP_005174386.1	t-complex I1 (mouse)-like 1 isoform X2
XP_005731066.1	T-complex protein 1 subunit alpha-like isoform X1
NP_958863.1	T-complex protein 1 subunit beta
NP_956877.1	T-complex protein 1 subunit delta
XP_006638806.1	T-complex protein 1 subunit delta-like
NP_997778.1	T-complex protein 1 subunit epsilon
XP_006634661.1	T-complex protein 1 subunit epsilon-like

XP_005155423.1	T-complex protein 1 subunit theta isoform X1
XP_005727974.1	T-complex protein 1 subunit zeta-like isoform X2
NP_001014323.1	T-complex protein 11-like protein 1
CAD32827.2	TCR-alpha V segment II-2
CAD29787.1	TCR-alpha V segment II-73
XP_005161787.1	tcx1 domain-containing protein 1-A-like
Q98SJ7.1	TCTP_LABRO RecName: Full=Translationally-controlled tumor protein homolog; Short=TCTP
AAI34986.1	Tdrd5 protein
B8A4F4.1	TDRD9_DANRE RecName: Full=Putative ATP-dependent RNA helicase TDRD9; AltName: Full=Tudor domain-containing protein 9
AAI66119.1	tead1 protein
NP_001036211.1	teashirt homolog 1 precursor
XP_005743301.1	teashirt homolog 1-like isoform X3
XP_001920842.4	tectonic-1
XP_006640487.1	tectonic-1-like
XP_692290.5	tectonic-2
CBN81388.1	Tectonic-3
XP_003458777.1	tectonic-3-like
XP_002661342.3	tectonin beta-propeller repeat-containing protein 1
XP_003199636.2	tectonin beta-propeller repeat-containing protein 1, partial
XP_006801002.1	tectonin beta-propeller repeat-containing protein 1-like
NP_001038644.1	tectonin beta-propeller repeat-containing protein 2
XP_005158848.1	tectonin beta-propeller repeat-containing protein 2 isoform X1
XP_006632369.1	tectonin beta-propeller repeat-containing protein 2-like
AAQ97971.1	tektin 2
NP_001007398.1	tektin-1
XP_003765761.1	tektin-2
XP_701169.2	tektin-3
BAM68364.1	teleost complement regulatory membrane protein
NP_001112371.1	teleost multiple tissue opsin a
XP_684103.1	telethonin
XP_001923715.1	telethonin-like isoform X1
Q7T006.2	TELO2_DANRE RecName: Full=Telomere length regulation protein TEL2 homolog
XP_698602.4	TELO2-interacting protein 1 homolog
XP_005988290.1	TELO2-interacting protein 2 isoform X1
XP_002663251.1	TELO2-interacting protein 2-like
XP_005462543.1	telomerase Cajal body protein 1-like isoform X3
XP_003976183.1	telomerase protein component 1-like
XP_004555260.1	telomerase protein component 1-like isoform X1
BAG85376.1	telomerase reverse transcriptase
XP_002663657.2	telomerase-binding protein EST1A-like isoform X1
XP_005172798.1	telomerase-binding protein EST1A-like isoform X2
NP_001071209.1	telomere length regulation protein TEL2 homolog isoform 1
NP_001124265.1	telomeric protein TPP1
XP_695329.5	telomeric repeat-binding factor 1
XP_005797976.1	telomeric repeat-binding factor 1-like
XP_005724710.1	telomeric repeat-binding factor 2-interacting protein 1-like isoform X3
XP_006641303.1	telomeric repeat-binding factor 2-like
XP_006137248.1	tenascin
CAM13370.1	tenascin C
XP_005171845.1	tenascin isoform X1
XP_005171846.1	tenascin isoform X2
CAM14027.1	tenascin R (restrictin, janusin)
XP_005171321.1	tenascin W isoform X1
ACX35614.1	tenascin XB-like protein
XP_006640572.1	tenascin-like
XP_005171797.1	tenascin-like, partial
XP_005171336.1	tenascin-R isoform X1
XP_003975627.1	tenascin-R-like
XP_006786577.1	tenascin-R-like isoform X1
CAA04755.1	tenascin-W
AHE93331.1	ten-eleven-translocation 3
XP_691552.5	teneurin-1
XP_006632818.1	teneurin-1-like
XP_691651.5	teneurin-2
XP_005159635.1	teneurin-2 isoform X1
XP_697293.5	teneurin-2 isoform X2
XP_006631942.1	teneurin-2-like
XP_004073474.1	teneurin-2-like isoform 3
XP_003970589.1	teneurin-2-like, partial
NP_571043.1	teneurin-3
XP_006509471.1	teneurin-3 isoform X11
XP_695894.6	teneurin-3-like
XP_005157384.1	teneurin-3-like isoform X2
XP_007060649.1	teneurin-4
XP_005157540.1	teneurin-4 isoform X1
XP_005157541.1	teneurin-4 isoform X2
XP_006628135.1	teneurin-4-like

XP_004075328.1	teneurin-4-like isoform 2
XP_006796700.1	teneurin-4-like isoform X11
XP_005167988.1	tensin-1 isoform X2
XP_005167989.1	tensin-1 isoform X3
XP_005464107.1	tensin-1-like isoform X12
XP_700076.6	tensin-3
XP_004079416.1	tensin-3-like
XP_005912750.1	tensin-3-like isoform X2
XP_006136404.1	tensin-3-like isoform X7
XP_003977701.1	tensin-3-like, partial
XP_006636760.1	tensin-like
Q1LX29.2	TERB1_DANRE RecName: Full=Telomere repeats-binding bouquet formation protein 1; AltName: Full=Coiled-coil domain-containing protein 79
NP_001073496.1	TERF1 (TRF1)-interacting nuclear factor 2
XP_005172358.1	TERF1 (TRF1)-interacting nuclear factor 2 isoform X2
AAH96857.1	Terfa protein
XP_002666574.3	terminal uridylyltransferase 4
XP_006634967.1	terminal uridylyltransferase 4-like
XP_001335519.3	terminal uridylyltransferase 4-like, partial
NP_001187607.1	tescalcin
XP_002664311.3	testican-1-like
XP_005235232.1	testican-2
XP_002664230.1	testican-2 isoform X1
XP_006630334.1	testican-2-like
XP_004077160.1	testican-2-like isoform 2
XP_005173120.1	testicular haploid expressed gene protein-like
NP_991283.2	testin
XP_005018048.1	testis- and ovary-specific PAZ domain-containing protein 1
XP_692960.1	testis development-related protein
XP_005168317.1	testis development-related protein-like
NP_997870.1	testis-expressed sequence 10 protein homolog
XP_005158103.1	testis-expressed sequence 10 protein homolog isoform X1
XP_001922572.3	testis-expressed sequence 11 protein-like
XP_005164312.1	testis-expressed sequence 2 protein isoform X2
XP_001343960.3	testis-expressed sequence 2 protein-like
XP_001335278.2	testis-expressed sequence 264 protein-like
XP_005419808.1	testis-expressed sequence 9 protein
XP_005160173.1	testis-specific gene 10 protein isoform X1
XP_006638990.1	testis-specific gene 10 protein-like
XP_006640415.1	testis-specific serine/threonine-protein kinase 2-like
NP_956658.1	testosterone 17-beta-dehydrogenase 3
NP_001017575.1	tether containing UBX domain for GLUT4
XP_006635467.1	tether containing UBX domain for GLUT4-like
NP_001187879.1	tetranectin precursor
XP_686620.5	tetraspan membrane protein of hair cell stereocilia homolog
NP_001002334.1	tetraspanin 13a
AHG98273.1	tetraspanin 4 variant 1, partial
NP_001080859.1	tetraspanin 8
ACI66202.1	Tetraspanin-1
NP_001038502.1	tetraspanin-11
XP_005307883.1	tetraspanin-11 isoform X1
NP_957446.1	tetraspanin-12
XP_005475769.1	tetraspanin-12-like isoform X2
NP_001187700.1	tetraspanin-14
ACQ58828.1	Tetraspanin-15
XP_003969528.1	tetraspanin-15-like
XP_005795463.1	tetraspanin-17-like
XP_003970566.1	tetraspanin-17-like isoform 2
XP_003967721.1	tetraspanin-18-like
XP_006634955.1	tetraspanin-1-like
XP_006628445.1	tetraspanin-2-like
ADO28122.1	tetraspanin-31
NP_001079650.1	tetraspanin-31-B
XP_005991505.1	tetraspanin-31-B-like
XP_004561582.1	tetraspanin-33-like
XP_006793883.1	tetraspanin-4-like isoform X1
NP_001006047.1	tetraspanin-5
NP_001124290.1	tetraspanin-7
XP_005812314.1	tetraspanin-8-like
ADO28392.1	tetraspanin-9
XP_001366169.2	tetraspanin-9 isoform X1
XP_006633807.1	tetraspanin-9-like
XP_004568326.1	tetraspanin-9-like isoform X1
XP_004568327.1	tetraspanin-9-like isoform X2
ABD83907.1	tetratricopeptide repeat domain 4
XP_005161357.1	tetratricopeptide repeat protein 1 isoform X1
NP_001189425.1	tetratricopeptide repeat protein 12
NP_001124099.1	tetratricopeptide repeat protein 13 precursor
XP_004083826.1	tetratricopeptide repeat protein 13-like

NP_001014336.1	tetratricopeptide repeat protein 14
NP_001074113.1	tetratricopeptide repeat protein 15
XP_005169941.1	tetratricopeptide repeat protein 15 isoform X1
EMP39707.1	Tetratricopeptide repeat protein 15, partial
XP_002662229.3	tetratricopeptide repeat protein 16-like
XP_698025.5	tetratricopeptide repeat protein 17
XP_692963.4	tetratricopeptide repeat protein 18
XP_006637093.1	tetratricopeptide repeat protein 18-like
XP_004212157.1	tetratricopeptide repeat protein 18-like, partial
XP_693210.4	tetratricopeptide repeat protein 19, mitochondrial
XP_003457029.1	tetratricopeptide repeat protein 1-like isoform X1
XP_003762694.1	tetratricopeptide repeat protein 21A
XP_002666781.2	tetratricopeptide repeat protein 21A-like
NP_001121730.1	tetratricopeptide repeat protein 21B
XP_006634330.1	tetratricopeptide repeat protein 21B-like
XP_002662507.1	tetratricopeptide repeat protein 22 isoform X1
XP_006000329.1	tetratricopeptide repeat protein 24
NP_956610.1	tetratricopeptide repeat protein 25
XP_003198130.1	tetratricopeptide repeat protein 25-like
XP_006002035.1	tetratricopeptide repeat protein 26
NP_775392.2	tetratricopeptide repeat protein 27
XP_787826.3	tetratricopeptide repeat protein 27-like
XP_002667710.2	tetratricopeptide repeat protein 28
XP_006640504.1	tetratricopeptide repeat protein 28-like
XP_006629610.1	tetratricopeptide repeat protein 29-like
NP_001096303.1	tetratricopeptide repeat protein 30A
XP_005739970.1	tetratricopeptide repeat protein 30A-like isoform X4
XP_003764036.1	tetratricopeptide repeat protein 30B
XP_004577081.1	tetratricopeptide repeat protein 30B-like
NP_001139026.1	tetratricopeptide repeat protein 31
XP_005169572.1	tetratricopeptide repeat protein 31 isoform X1
ADO29196.1	tetratricopeptide repeat protein 32
XP_685049.4	tetratricopeptide repeat protein 34-like
ADO28733.1	tetratricopeptide repeat protein 36
XP_002662144.2	tetratricopeptide repeat protein 37-like
XP_006784139.1	tetratricopeptide repeat protein 37-like isoform X1
XP_005159083.1	tetratricopeptide repeat protein 38 isoform X1
NP_001073553.1	tetratricopeptide repeat protein 39A
XP_005166977.1	tetratricopeptide repeat protein 39A isoform X2
XP_005166978.1	tetratricopeptide repeat protein 39A isoform X3
XP_003974232.1	tetratricopeptide repeat protein 39A-like
XP_001921373.4	tetratricopeptide repeat protein 39B-like
XP_003914293.1	tetratricopeptide repeat protein 39C
XP_006634105.1	tetratricopeptide repeat protein 39C-like
XP_005157133.1	tetratricopeptide repeat protein 40-like
XP_004554615.1	tetratricopeptide repeat protein 40-like isoform X1
XP_004554617.1	tetratricopeptide repeat protein 40-like isoform X3
XP_005463875.1	tetratricopeptide repeat protein 40-like isoform X5
XP_003445159.1	tetratricopeptide repeat protein 4-like isoform X1
NP_001017654.1	tetratricopeptide repeat protein 5
XP_001921229.3	tetratricopeptide repeat protein 7A
XP_006638694.1	tetratricopeptide repeat protein 7A-like
XP_005738784.1	tetratricopeptide repeat protein 7B-like isoform X1
XP_004082369.1	tetratricopeptide repeat protein 8-like isoform 1
XP_689195.2	tetratricopeptide repeat protein 9A
NP_001038370.1	tetratricopeptide repeat protein 9B
ADO27873.1	tetratricopeptide repeat protein 9c
Q803M3.2	TEX10_DANRE RecName: Full=Testis-expressed sequence 10 protein homolog
XP_005999354.1	TFIIA-alpha and beta-like factor
XP_005157631.1	TFIIH basal transcription factor complex helicase subunit isoform X1
NP_963876.1	TFIIH basal transcription factor complex helicase XPB subunit
AAH94984.1	Tfpia protein
NP_001117650.1	tFZR1
O93449.1	TGFB1_ONCMY RecName: Full=Transforming growth factor beta-1; Short=TGF-beta-1; Flags: Precursor
NP_001108531.1	TGF-beta receptor type-1 precursor
XP_006634359.1	TGF-beta receptor type-1-like
ERE83341.1	TGF-beta receptor type-1-like protein
XP_006805231.1	TGF-beta receptor type-1-like, partial
AEK81575.1	TGF-beta receptor type-2
XP_006796062.1	TGF-beta receptor type-2-like isoform X1
ETE64575.1	TGF-beta-activated kinase 1 and MAP3K7-binding protein 1, partial
XP_004566292.1	TGF-beta-activated kinase 1 and MAP3K7-binding protein 2-like isoform X1
XP_005166935.1	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3 isoform X1
XP_006803420.1	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3-like
NP_001134688.1	THAP domain-containing protein 1
NP_998267.1	THAP domain-containing protein 11
XP_006626703.1	THAP domain-containing protein 1-like
XP_005161156.1	THAP domain-containing protein 4

XP_003963690.1 THAP domain-containing protein 6-like
 NP_001188077.1 thiamin pyrophosphokinase 1
 XP_005162713.1 thiamine-triphosphatase isoform X2
 ABA42822.1 thiazide sensitive Na-Cl co-transporter, solute carrier family 12, member 3
 XP_005155624.1 thimet oligopeptidase 1 isoform X1
 XP_005172875.1 thimet oligopeptidase isoform X1
 XP_004948942.1 thimet oligopeptidase isoform X5
 XP_006790354.1 thimet oligopeptidase-like isoform X2
 NP_001158871.1 Thioredoxin domain-containing protein 1
 XP_002660719.1 thioredoxin domain-containing protein 11-like
 NP_001018660.1 thioredoxin domain-containing protein 12 precursor
 ACN11221.1 Thioredoxin domain-containing protein 14 precursor
 XP_003451491.1 thioredoxin domain-containing protein 15-like
 XP_685017.4 thioredoxin domain-containing protein 16-like
 XP_004804223.1 thioredoxin domain-containing protein 17 isoform X1
 NP_001082944.1 thioredoxin domain-containing protein 3
 XP_005800777.1 thioredoxin domain-containing protein 3 homolog
 XP_006788645.1 thioredoxin domain-containing protein 3 homolog isoform X2
 XP_003967970.1 thioredoxin domain-containing protein 5-like
 ADO28100.1 thioredoxin domain-containing protein 9
 NP_956381.1 thioredoxin interacting protein a
 EDK97525.1 thioredoxin reductase 2, isoform CRA_b
 XP_005168675.1 thioredoxin reductase 2, mitochondrial-like
 CBN80599.1 Thioredoxin reductase 3
 XP_005168750.1 thioredoxin reductase 3 isoform X2
 XP_004559975.1 thioredoxin reductase 3-like
 NP_991204.1 thioredoxin, mitochondrial
 XP_006641874.1 thioredoxin-interacting protein-like
 XP_005612997.1 thioredoxin-like 4A isoform X1
 EMP35202.1 Thioredoxin-like protein 4A
 ADO28417.1 thioredoxin-like protein 4b
 XP_006626060.1 thioredoxin-related transmembrane protein 1-like
 NP_001103857.1 thioredoxin-related transmembrane protein 2-A precursor
 XP_003972129.1 thioredoxin-related transmembrane protein 2-B-like
 NP_001025330.1 thioredoxin-related transmembrane protein 4 precursor
 ACO13980.1 thiosulfate sulfurtransferase KAT
 XP_001340407.1 thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 1-like isoform X1
 XP_006629642.1 thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 2-like
 NP_958481.1 THO complex subunit 1
 EGW14279.1 THO complex subunit 2
 XP_006632813.1 THO complex subunit 2-like
 XP_006065061.1 THO complex subunit 2-like isoform X9
 NP_001003758.1 THO complex subunit 3
 NP_001098578.1 THO complex subunit 4
 NP_997857.1 THO complex subunit 5 homolog
 XP_005174290.1 THO complex subunit 5 homolog isoform X2
 NP_001134914.1 THO complex subunit 6 homolog
 XP_688162.3 thread biopolymer filament subunit alpha isoform 1
 XP_006799133.1 threo-3-hydroxyaspartate ammonia-lyase-like
 NP_001002176.1 threonine aldolase 1
 XP_003439211.1 threonine synthase-like 1-like
 NP_001032655.1 threonine synthase-like 2
 XP_003440204.1 threonine synthase-like 2-like isoform X1
 XP_005810351.1 threonine--tRNA ligase, cytoplasmic-like
 XP_002664809.2 threonine--tRNA ligase, cytoplasmic-like, partial
 XP_004712527.1 threonylcarbamoyladenine tRNA methylthiotransferase
 XP_005810237.1 threonylcarbamoyladenine tRNA methylthiotransferase-like
 XP_005450599.1 threonylcarbamoyladenine tRNA methylthiotransferase-like isoform X1
 NP_001116258.1 threonyl-tRNA synthetase, cytoplasmic isoform 1
 XP_005159015.1 thrombomodulin-like
 NP_001107896.1 thrombospondin 4a precursor
 AAH95593.1 Thrombospondin 4b
 XP_006628292.1 thrombospondin type-1 domain-containing protein 1-like
 XP_002664811.3 thrombospondin type-1 domain-containing protein 4-like
 ELK12543.1 Thrombospondin type-1 domain-containing protein 7A
 XP_005159737.1 thrombospondin type-1 domain-containing protein 7A isoform X1
 NP_001116232.1 thrombospondin type-1 domain-containing protein 7A precursor
 XP_005173589.1 thrombospondin type-1 domain-containing protein 7A-like
 XP_005455171.1 thrombospondin type-1 domain-containing protein 7A-like isoform X1
 XP_005455172.1 thrombospondin type-1 domain-containing protein 7A-like isoform X2
 XP_005896861.1 thrombospondin type-1 domain-containing protein 7A-like, partial
 XP_002663854.3 thrombospondin type-1 domain-containing protein 7B
 XP_006004142.1 thrombospondin type-1 domain-containing protein 7B, partial
 XP_003962123.1 thrombospondin type-1 domain-containing protein 7B-like
 XP_002199508.2 thrombospondin-1
 XP_690395.4 thrombospondin-1 isoform X2
 XP_006632575.1 thrombospondin-1-like
 XP_694690.6 thrombospondin-2
 XP_005157071.1 thrombospondin-2 isoform X2

XP_005474095.1 thrombospondin-2-like isoform X1
 XP_005815508.1 thrombospondin-2-like, partial
 NP_775332.1 thrombospondin-3a precursor
 XP_005948314.1 thrombospondin-3a-like
 XP_005170119.1 thrombospondin-3b isoform X1
 NP_001038679.1 thrombospondin-3b precursor
 XP_006641876.1 thrombospondin-3-like
 XP_002663752.3 thrombospondin-4
 NP_775333.1 thrombospondin-4-B precursor
 XP_003451807.1 thrombospondin-4-B-like
 XP_682770.2 thrombospondin-type laminin G domain and EAR repeat-containing protein
 NP_001272464.1 thromboxane A2 receptor
 XP_005734874.1 thromboxane-A synthase-like
 NP_991220.1 THUMP domain containing 1
 XP_003972419.1 THUMP domain-containing protein 1-like
 XP_691263.4 THUMP domain-containing protein 2
 XP_005166280.1 THUMP domain-containing protein 3 isoform X1
 XP_003973291.1 THUMP domain-containing protein 3-like
 XP_695354.2 thy-1 membrane glycoprotein-like isoform X2
 XP_001921462.3 thymic stromal cotransporter homolog
 NP_001153142.1 thymic stromal-derived lymphopoietin receptor
 ACQ58901.1 Thymidine kinase 2, mitochondrial precursor
 NP_001133751.1 Thymidine phosphorylase
 NP_001032187.1 thymidylate kinase
 XP_005451240.1 thymidylate kinase-like isoform X2
 ACN10178.1 Thymidylate synthase
 XP_006634413.1 thymidylate synthase-like
 NP_001035462.1 thymidyltransferase
 NP_956951.1 thymocyte nuclear protein 1
 XP_006642358.1 thymocyte nuclear protein 1-like
 NP_001243623.1 thymocyte selection-associated high mobility group box protein TOX
 XP_005163417.1 thymocyte selection-associated high mobility group box protein TOX isoform X1
 XP_005164778.1 thymopoietin a isoform X2
 XP_005613999.1 thymosin beta-4 isoform X2
 XP_002664605.3 thymus-specific serine protease-like
 XP_694292.5 thyroglobulin
 XP_005936925.1 thyroid adenoma-associated protein homolog
 XP_005165257.1 thyroid adenoma-associated protein homolog isoform X1
 XP_690130.4 thyroid adenoma-associated protein homolog isoform X2
 AGY36893.1 thyroid hormone receptor alpha
 CAC44632.1 thyroid hormone receptor associated protein complex component TRAP230/KIAA0192
 AGY36894.1 thyroid hormone receptor beta
 NP_001071043.2 thyroid hormone receptor interactor 4
 NP_999980.1 thyroid hormone receptor-associated protein 3
 XP_005173798.1 thyroid hormone receptor-associated protein 3 isoform X1
 XP_005158386.1 thyroid hormone receptor-associated protein 3-like isoform X4
 XP_003201429.2 thyroid peroxidase-like
 XP_005156787.1 thyroid receptor-interacting protein 11 isoform X1
 XP_005172285.1 thyroid receptor-interacting protein 6-like isoform X5
 ADO27725.1 thyroid transcription factor 1-associated protein 26-like protein
 ADN65970.1 thyrotroph embryonic factor 2
 NP_571475.1 thyrotrophic embryonic factor
 NP_001108160.1 thyrotropin-releasing hormone receptor 1
 BA165857.1 thyrotropin-releasing hormone receptor 3
 XP_001345457.3 thyrotropin-releasing hormone-degrading ectoenzyme
 XP_003972768.1 thyrotropin-releasing hormone-degrading ectoenzyme-like
 XP_005165167.1 TIA1 cytotoxic granule-associated RNA binding protein 1 isoform X1
 XP_005406112.1 tigger transposable element-derived protein 1-like
 XP_006067346.1 tigger transposable element-derived protein 1-like isoform X1
 NP_571274.2 tiggy-winkle hedgehog protein precursor
 NP_001002366.1 tight junction protein 2b
 NP_958902.1 tight junction protein 3
 XP_005170498.1 tight junction protein 3 isoform X1
 XP_005168992.1 tight junction protein ZO-1 isoform X4
 XP_005168994.1 tight junction protein ZO-1 isoform X6
 XP_005168996.1 tight junction protein ZO-1 isoform X8
 XP_003201509.2 tight junction protein ZO-1-like
 XP_005728065.1 tight junction protein ZO-1-like isoform X1
 XP_004543282.1 tight junction protein ZO-1-like isoform X6
 XP_005450929.1 tight junction protein ZO-1-like isoform X8
 XP_006627033.1 tight junction protein ZO-2-like
 XP_001921685.4 tight junction-associated protein 1
 XP_005813201.1 tight junction-associated protein 1-like
 Q7ZVE3.2 TIGRB_DANRE RecName: Full=Fructose-2,6-bisphosphatase TIGAR B; AltName: Full=TP53-induced glycolysis and apoptosis regulator B
 AFN02885.1 TIK11
 B3DH20.1 TILB_DANRE RecName: Full=Protein tilB homolog; AltName: Full=Leucine-rich repeat-containing 6-like protein; AltName: Full=Leucine-rich repeat-containing protein 6; AltName: Full=Seahorse

Q7T2P6.1 TIM23_DANRE RecName: Full=Mitochondrial import inner membrane translocase subunit Tim23
 AAH67634.1 Timm50 protein, partial
 XP_005172644.1 tip elongation aberrant protein 1-like
 NP_001135039.1 TIP41-like protein
 XP_006628115.1 TIP41-like protein-like
 NP_001187154.1 TIR-containing adaptor molecule
 AEL30371.1 TIR-NBS-LRR type disease resistance protein
 NP_878292.1 tissue factor pathway inhibitor precursor
 NP_001117830.1 tissue factor precursor
 CAK04456.1 tissue inhibitor of metalloproteinase 2
 NP_998461.1 tissue inhibitor of metalloproteinase 2b precursor
 AAO17737.1 tissue inhibitor of metalloproteinases 4
 NP_001003528.1 tissue specific transplantation antigen P35B
 XP_002663097.1 tissue-type plasminogen activator
 XP_003451077.1 tissue-type plasminogen activator-like isoform X1
 XP_001341635.3 titin
 ABG48500.1 titin a
 ABG48499.1 titin b
 XP_005169913.1 titin isoform X1
 XP_005170210.1 titin isoform X2
 XP_005159741.1 titin isoform X4
 XP_006034598.1 titin-like
 XP_005455981.1 titin-like isoform X2
 XP_006643482.1 titin-like, partial
 AAI65166.1 Tkt protein
 NP_001006071.1 TLC domain-containing protein 1
 XP_003968601.1 TLC domain-containing protein 1-like
 NP_001187746.1 TLC domain-containing protein 2
 NP_001038430.2 TLD domain-containing protein 1
 AEI59674.1 TLR18
 AEI59675.1 TLR19
 AEI59663.1 TLR2
 AEI59676.1 TLR20-1
 AEI59678.1 TLR21
 AEI59679.1 TLR22
 AEI59680.1 TLR25
 AEI59681.1 TLR26
 AEI59664.1 TLR3
 AEI59665.1 TLR4-1
 AEI59669.1 TLR5-2
 AEI59672.1 TLR8-2
 AEI59673.1 TLR9
 O93367.1 TLX3_CHICK RecName: Full=T-cell leukemia homeobox protein 3; AltName: Full=Homeobox TLX-3; AltName: Full=Homeobox protein Hox-11L2
 XP_004373788.1 T-lymphocyte activation antigen CD80
 XP_001340554.4 T-lymphocyte surface antigen Ly-9
 XP_002664748.3 T-lymphoma invasion and metastasis-inducing protein 1 isoform X1
 XP_005169775.1 T-lymphoma invasion and metastasis-inducing protein 1 isoform X2
 XP_006766150.1 T-lymphoma invasion and metastasis-inducing protein 1-like
 XP_002665298.2 T-lymphoma invasion and metastasis-inducing protein 2
 XP_005173865.1 T-lymphoma invasion and metastasis-inducing protein 2-like
 Q502E0.2 TM17A_DANRE RecName: Full=Transmembrane protein 17A
 ETE70815.1 TM2 domain-containing protein 1, partial
 XP_005642163.1 TM2 domain-containing protein 1-like
 NP_001002640.1 TM2 domain-containing protein 2 precursor
 XP_006136942.1 TM2 domain-containing protein 3
 XP_005727654.1 TM2 domain-containing protein 3-like
 AAP78783.1 Tmc2-related protein 2
 XP_003972119.1 Tmc6-related protein 1
 AAH56540.1 Tmed3 protein, partial
 AAI15786.1 Tmem120b protein
 AGC65591.1 Tmem132e
 AAH81639.1 Tmem184a protein
 XP_005812831.1 TMF-regulated nuclear protein 1-like
 Q6NWH5.1 TMM11_DANRE RecName: Full=Transmembrane protein 11, mitochondrial
 AAZ66788.1 TNF receptor
 ABE99697.1 TNF receptor associated factor 1
 NP_001268311.1 TNF receptor superfamily member 5A precursor
 XP_001924047.2 TNF receptor-associated factor 2 isoform X1
 ADZ55454.1 TNF receptor-associated factor 3
 NP_997982.1 tnfr receptor-associated factor 4b
 XP_005932129.1 TNF receptor-associated factor 4-like, partial
 XP_692341.6 TNF receptor-associated factor 5, partial
 XP_006638538.1 TNF receptor-associated factor 5-like
 NP_001107097.1 TNF receptor-associated protein 1
 NP_001118039.1 TNF superfamily member 14
 XP_005169687.1 TNFAIP3-interacting protein 1 isoform X3
 XP_001344126.2 TNFAIP3-interacting protein 1-like

XP_692717.4	TNFAIP3-interacting protein 2-like
AAW22592.1	TNF-related apoptosis inducing ligand TRAIL
AAH83297.1	Tnrc5 protein, partial
ADO27872.1	tob1
NP_956025.2	tocopherol (alpha) transfer protein
XP_005995334.1	toll-interacting protein A isoform X2
NP_001187158.1	toll-like receptor 5 precursor
XP_005173883.1	toll-like receptor 5b isoform X2
ELK25079.1	Toll-like receptor 9
AAQ89339.1	TOM1
XP_005156222.1	TOM1-like protein 2 isoform X1
XP_005156224.1	TOM1-like protein 2 isoform X3
XP_005156225.1	TOM1-like protein 2 isoform X4
XP_005171719.1	TOM1-like protein 2-like isoform X2
NP_001020472.1	tomoregulin-1
XP_005750695.1	tomoregulin-1-like
NP_001104618.1	tonsoku-like protein
AAH86970.1	Top2a protein
NP_001186667.1	topoisomerase (DNA) II binding protein 1
XP_005162624.1	topoisomerase (DNA) II binding protein 1 isoform X3
XP_005161580.1	torsin family 1 isoform X1
NP_001186944.1	torsin family 1, member A-like precursor
XP_001339602.3	torsin-1A-interacting protein 2
XP_006800557.1	torsin-1A-interacting protein 2-like
NP_001121738.1	torsin-3A precursor
XP_003440046.1	torsin-3A-like
NP_998073.1	TOX high mobility group box family member 2
XP_005805308.1	TOX high mobility group box family member 2-like
XP_005504749.1	TOX high mobility group box family member 3 isoform X2
XP_005726803.1	TP53-regulating kinase-like
AHL43819.1	TP63 TA-isoform 1
DAA22327.1	TPA: adenosine monophosphate deaminase 3-like
CAJ97442.1	TPA: ciliary neurotrophic factor receptor
DAA26491.1	TPA: collagen, type XXVII, alpha 1
DAA12616.1	TPA: cyclin-dependent kinase-like 5
CAJ77879.2	TPA: cytokine receptor family, class 1 receptor 4
DAA18730.1	TPA: dynein, axonemal, heavy chain 9
DAA16277.1	TPA: EF1a-like protein-like
CAJ00236.1	TPA: endonuclease-reverse transcriptase
CAJ75795.1	TPA: interleukin 4 receptor alpha
CAJ57446.1	TPA: interleukin-11
CAI96518.1	TPA: leukemia inhibitory factor receptor.a
DAA32839.1	TPA: NCK-associated protein 1-like
FAA00357.1	TPA: predicted NADPH oxidase organizer 1
FAA00342.1	TPA: predicted NADPH oxidase-4
CAL64057.1	TPA: prion protein 1 PrP1
DAA12566.1	TPA: protein kinase, X-linked-like
CBZ41768.1	TPA: ryanodine receptor 2b protein, partial
CAJ44080.1	TPA: SCO-spondin precursor
DAA14422.1	TPA: SH2 domain containing 4A-like
DAA16162.1	TPA: SRY (sex determining region Y)-box 4
DAA14198.1	TPA: sterile alpha motif domain containing 8
CAK26782.1	TPA: transposase domain-containing protein
DAA31224.1	TPA: Yip1 domain family, member 1-like
DAA06154.1	TPA_exp: claudin 10c
DAA06341.1	TPA_exp: Fras1
DAA06181.1	TPA_exp: heparan sulfate proteoglycan 2
DAA01263.1	TPA_exp: kinesin light chain 10
DAA01286.1	TPA_exp: replicase/helicase/endonuclease
DAA05173.1	TPA_exp: RTN2
DAA64404.1	TPA_inf: aldehyde oxidase beta
DAA01818.1	TPA_inf: HNI-like protein
DAA04571.1	TPA_inf: RTN1
DAA35165.1	TPA_inf: tachykinin 4b
DAA35151.1	TPA_inf: tachykinin receptor 1a
XP_004560594.1	TPA-induced transmembrane protein-like
AAH59550.1	Tph1a protein
Q504A5.1	TPMT_DANRE RecName: Full=Probable thiopurine S-methyltransferase; Short=Thiopurine methyltransferase
ADY16706.1	TPOP1
AAH95797.1	Tprg11 protein
NP_001076380.1	trace amine associated receptor 12j
NP_001076510.1	trace amine associated receptor 13d
NP_001076512.1	trace amine associated receptor 13e
NP_001076524.1	trace amine associated receptor 14g
NP_001076508.1	trace amine associated receptor 15
NP_001076373.1	trace amine-associated receptor 1
NP_001076372.1	trace amine-associated receptor 10b
NP_001076546.1	trace amine-associated receptor 11

NP_001076509.1 trace amine-associated receptor 13c
 XP_005174603.1 trace amine-associated receptor 1-like
 XP_006626546.1 trace amine-associated receptor 3-like
 XP_001921516.1 trace amine-associated receptor 6-like
 XP_006626555.1 trace amine-associated receptor 7a-like
 XP_006626547.1 trace amine-associated receptor 7c-like
 XP_004543586.1 trace amine-associated receptor 7d-like
 NP_001076545.1 trace-amine-associated receptor family member
 NP_001070068.1 TRAF family member-associated NF-kappa-B activator
 XP_005162835.1 TRAF2 and NCK interacting kinase b isoform X1
 XP_005162837.1 TRAF2 and NCK interacting kinase b isoform X3
 XP_006764173.1 traf2 and NCK-interacting protein kinase isoform X5
 XP_003962428.1 traf2 and NCK-interacting protein kinase-like isoform 1
 XP_005753653.1 TRAF2 and NCK-interacting protein kinase-like isoform X2
 XP_005736662.1 traf2 and NCK-interacting protein kinase-like isoform X6
 AAS58449.1 TRAF2 binding protein
 XP_003199138.1 TRAF3-interacting JNK-activating modulator-like
 NP_956894.1 TRAF3-interacting protein 1
 XP_004559299.1 TRAF3-interacting protein 1-like
 XP_005450492.1 TRAF3-interacting protein 1-like isoform X3
 XP_006244161.1 trafficking kinesin-binding protein 1 isoform X1
 XP_005155813.1 trafficking kinesin-binding protein 1 isoform X2
 ETE62915.1 Trafficking kinesin-binding protein 1, partial
 XP_001109634.2 trafficking kinesin-binding protein 1-like
 XP_006008727.1 trafficking kinesin-binding protein 1-like isoform X1
 XP_005172143.1 trafficking kinesin-binding protein 2 isoform X1
 XP_689302.5 trafficking kinesin-binding protein 2 isoform X5
 XP_002663888.2 trafficking protein particle complex subunit 10
 NP_955920.2 trafficking protein particle complex subunit 11
 XP_005157179.1 trafficking protein particle complex subunit 11 isoform X1
 XP_006630156.1 trafficking protein particle complex subunit 11-like
 XP_003757947.1 trafficking protein particle complex subunit 12
 XP_003962323.1 trafficking protein particle complex subunit 12-like
 XP_005808663.1 trafficking protein particle complex subunit 13-like
 XP_005454539.1 trafficking protein particle complex subunit 13-like isoform X2
 XP_006627417.1 trafficking protein particle complex subunit 1-like
 NP_001187755.1 trafficking protein particle complex subunit 2-like protein
 NP_001187649.1 trafficking protein particle complex subunit 3
 NP_001187536.1 trafficking protein particle complex subunit 4
 NP_001002482.1 trafficking protein particle complex subunit 5
 NP_001188150.1 trafficking protein particle complex subunit 6b
 XP_001920718.4 trafficking protein particle complex subunit 8, partial
 XP_003200718.2 trafficking protein particle complex subunit 8-like
 EMP38905.1 Trafficking protein particle complex subunit 9
 XP_003200576.1 trafficking protein particle complex subunit 9 isoform X1
 XP_005173812.1 trafficking protein particle complex subunit 9 isoform X2
 XP_005877869.1 trafficking protein particle complex subunit 9 isoform X4
 XP_005450795.1 trafficking protein particle complex subunit 9 isoform X6
 XP_006635914.1 trafficking protein particle complex subunit 9-like, partial
 NP_991170.1 TRAF-interacting protein
 NP_001082984.1 TRAF-type zinc finger domain-containing protein 1
 XP_005473445.1 TRAF-type zinc finger domain-containing protein 1-like isoform X1
 AAK40297.1 Tram1
 EPY89140.1 trans-1,2-dihydrobenzene-1,2-diol dehydrogenase
 ADO27942.1 trans-12-dihydrobenzene-12-diol dehydrogenase
 XP_003964782.1 trans-2,3-enoyl-CoA reductase-like
 NP_001006023.1 trans-2,3-enoyl-CoA reductase-like 2
 ADO28098.1 trans-23-enoyl-CoA reductase
 ABC94501.1 trans-2-enoyl-CoA reductase
 XP_005805595.1 transaldolase-like
 NP_001116703.1 transcobalamin-2 precursor
 XP_006744366.1 transcription activator BRG1
 XP_006631670.1 transcription activator BRG1-like
 XP_006787445.1 transcription activator BRG1-like isoform X1
 NP_955918.2 transcription cofactor HES-6
 XP_004937087.1 transcription cofactor HES-6 isoform X3
 XP_003459565.1 transcription cofactor HES-6-like
 XP_006626348.1 transcription cofactor vestigial-like protein 2-like isoform X1
 XP_002663398.3 transcription cofactor vestigial-like protein 3-like
 NP_998440.1 transcription cofactor vestigial-like protein 4
 XP_005160033.1 transcription elongation factor A N-terminal and central domain-containing protein-like
 NP_956288.1 transcription elongation factor A protein 1
 XP_005042126.1 transcription elongation factor A protein 1 isoform X1
 NP_957280.1 transcription elongation factor A protein 2
 XP_005158394.1 transcription elongation factor A protein 3 isoform X1
 NP_956415.1 transcription elongation factor B (SIII), polypeptide 3
 XP_003442583.1 transcription elongation factor B polypeptide 2-like
 NP_998620.1 transcription elongation factor B polypeptide 3
 XP_005157586.1 transcription elongation factor SPT5 isoform X1

NP_660094.1	transcription elongation factor SPT6
XP_006641138.1	transcription elongation factor SPT6-like
XP_003447990.1	transcription elongation factor, mitochondrial-like
NP_938171.1	transcription elongation regulator 1
XP_005161510.1	transcription elongation regulator 1-like
XP_006880185.1	transcription elongation regulator 1-like protein
CAC69871.1	transcription factor
XP_005741699.1	transcription factor 12-like
XP_005741698.1	transcription factor 12-like isoform X3
XP_005929661.1	transcription factor 12-like isoform X5
NP_571047.1	transcription factor 15
XP_686736.3	transcription factor 19
XP_001345166.5	transcription factor 20 isoform X1
XP_689373.2	transcription factor 20-like
XP_005923836.1	transcription factor 20-like isoform X1
NP_001032770.1	transcription factor 21
XP_001342593.3	transcription factor 23
XP_006006859.1	transcription factor 24
XP_005805003.1	transcription factor 25-like
XP_005467174.1	transcription factor 25-like isoform X3
XP_006116654.1	transcription factor 4 isoform X17
XP_005921725.1	transcription factor 4-like isoform X3
XP_006626646.1	transcription factor 4-like isoform X4
NP_571371.1	transcription factor 7-like 1-B
XP_006631849.1	transcription factor 7-like 2-like
NP_001070857.1	transcription factor A, mitochondrial
ACI66322.1	Transcription factor A, mitochondrial precursor
XP_004080824.1	transcription factor A, mitochondrial-like
XP_005505242.1	transcription factor A, mitochondrial-like isoform X1
XP_006626704.1	transcription factor AP-1-like
XP_003973532.1	transcription factor AP-2 gamma-like isoform 1
XP_005162616.1	transcription factor AP-2-alpha isoform X2
XP_004081019.1	transcription factor AP-2-alpha-like isoform 3
XP_005805304.1	transcription factor AP-2-alpha-like isoform X2
XP_005160940.1	transcription factor AP-2-beta isoform X2
XP_005160942.1	transcription factor AP-2-beta isoform X4
XP_006625925.1	transcription factor AP-2-beta-like isoform X4
NP_001020717.1	transcription factor AP-2-delta
XP_004548976.1	transcription factor AP-2-epsilon-like isoform X1
XP_005492184.1	transcription factor AP-4
XP_005168526.1	transcription factor AP-4 isoform X4
NP_571923.2	transcription factor binding to IGHM enhancer 3a
XP_005169363.1	transcription factor binding to IGHM enhancer 3b isoform X2
XP_005204656.1	transcription factor BTF3 homolog 4 isoform X1
AGS58207.1	transcription factor C-MYB
XP_005300046.1	transcription factor COE1 isoform X1
XP_005300055.1	transcription factor COE1 isoform X10
XP_005157380.1	transcription factor COE1 isoform X6
XP_693680.4	transcription factor COE1 isoform X5
XP_685990.6	transcription factor COE1-like isoform X3
ERE87543.1	transcription factor COE2-like isoform 1
XP_004544682.1	transcription factor COE2-like isoform X1
XP_001167953.3	transcription factor COE2-like, partial
XP_005156469.1	transcription factor COE3 isoform X5
XP_006009845.1	transcription factor COE3-like
XP_00452085.1	transcription factor COE3-like isoform X3
XP_005737789.1	transcription factor COE3-like isoform X4
XP_003447670.1	transcription factor COE3-like isoform X1
XP_005932276.1	transcription factor COE3-like, partial
XP_004698238.1	transcription factor COE4
XP_004321012.1	transcription factor COE4-like
XP_001336482.2	transcription factor CP2 isoform X1
XP_006629299.1	transcription factor CP2-like
NP_001167422.1	Transcription factor CP2-like protein 1
XP_006173439.1	transcription factor E2-alpha
XP_005174590.1	transcription factor E2F1-like
XP_005158616.1	transcription factor E2F2-like isoform X2
XP_006001236.1	transcription factor E2F4
XP_006641454.1	transcription factor E2F4-like
XP_003971458.1	transcription factor E2F6-like
XP_005168886.1	transcription factor E2F8 isoform X1
XP_694311.6	transcription factor E2F8 isoform X2
XP_006642699.1	transcription factor E2F8-like
NP_001020684.1	transcription factor E4F1
XP_005172940.1	transcription factor EB isoform X1
XP_005446111.1	transcription factor ETV6
BAB21570.1	transcription factor Foxa2
NP_571286.1	transcription factor GATA-3
XP_004570032.1	transcription factor GATA-3-like isoform X3

XP_006642996.1	transcription factor GATA-4-like
NP_571310.2	transcription factor GATA-5
AAC67384.1	transcription factor GETS-1
NP_571154.1	transcription factor HES-1
XP_546734.2	transcription factor HES-5
XP_005159605.1	transcription factor HIVEP3-like isoform X1
XP_696438.4	transcription factor HIVEP3-like isoform X3
NP_001187205.1	transcription factor IIIA
XP_004084267.1	transcription factor IIIA-like
NP_001003536.1	transcription factor IIIB 50 kDa subunit
NP_956183.1	transcription factor IIIB 90 kDa subunit
XP_006632258.1	transcription factor IIIB 90 kDa subunit-like
XP_005753388.1	transcription factor IIIB 90 kDa subunit-like isoform X3
NP_001121814.1	transcription factor jun-D
NP_001020703.1	transcription factor Lbx1
XP_005800626.1	transcription factor Lbx1-like
NP_001076409.1	transcription factor MafA
XP_004546032.1	transcription factor Maf-like
XP_005448075.1	transcription factor Maf-like isoform X2
XP_006753086.1	transcription factor MafG isoform X1
XP_004776389.1	transcription factor MafK isoform X1
XP_005915221.1	transcription factor Maf-like
NP_001118094.1	transcription factor Myc
XP_005162426.1	transcription factor NF-E2 45 kDa subunit isoform X1
AHB37083.1	transcription factor NFkB p65 subunit
ABD77103.1	transcription factor Nkx6.2
ABG90498.1	transcription factor Nrf2
NP_001188190.1	transcription factor PU.1
XP_001335593.2	transcription factor RelB homolog
NP_001073517.1	transcription factor RFX3
NP_991275.1	transcription factor RFX4
ABN48543.1	transcription factor Rpx
AAO13156.1	transcription factor Runx2
XP_006626182.1	transcription factor SOX-11-like
NP_001025449.1	transcription factor SOX-12
XP_005450157.1	transcription factor SOX-13-like isoform X2
XP_001337702.1	transcription factor Sox-18
NP_570983.2	transcription factor Sox-19a
NP_571777.1	transcription factor Sox-19b
XP_005450142.1	transcription factor Sox-1a-like
XP_006639059.1	transcription factor Sox-21-B-like
NP_001028757.1	transcription factor SOX-5
XP_005164824.1	transcription factor SOX-5 isoform X2
XP_005801269.1	transcription factor SOX-5-like
XP_006633222.1	transcription factor SOX-5-like isoform X2
NP_001116481.1	transcription factor SOX-6
XP_005931515.1	transcription factor SOX-6-like isoform X4
NP_001074219.1	transcription factor SOX-7
XP_005986184.1	transcription factor Sp1
XP_004068725.1	transcription factor Sp1-like
NP_001093452.1	transcription factor Sp2
XP_005165855.1	transcription factor Sp3 isoform X1
XP_005173792.1	transcription factor Sp4 isoform X1
XP_004074041.1	transcription factor Sp4-like
ACO09730.1	Transcription factor Sp5
XP_005914824.1	transcription factor Sp5-like
NP_991195.1	transcription factor Sp6
XP_005158015.1	transcription factor Sp8 isoform X1
XP_004078130.1	transcription factor Sp8-like
XP_005167471.1	transcription factor Sp9 isoform X1
NP_001004621.1	transcription factor Spi-C
XP_005808503.1	transcription factor SPT20 homolog
XP_005463293.1	transcription factor SPT20 homolog isoform X3
XP_005172791.1	transcription factor SPT20 homolog isoform X4
AAQ64680.1	transcription factor TAp73 alpha
AAP33907.1	transcription factor T-box 1
XP_005165495.1	transcription factor TFIIIB component B" homolog isoform X2
NP_005997750.1	transcription initiation factor IIB
NP_001038250.1	transcription initiation factor TFIID subunit 1
XP_005165374.1	transcription initiation factor TFIID subunit 1 isoform X2
ACI66362.1	Transcription initiation factor TFIID subunit 10
XP_006276169.1	transcription initiation factor TFIID subunit 11
ADO28126.1	transcription initiation factor tFIID subunit 12
ACO09097.1	Transcription initiation factor TFIID subunit 13
XP_006632914.1	transcription initiation factor TFIID subunit 1-like
XP_002664849.1	transcription initiation factor TFIID subunit 2 isoform X1
XP_005173556.1	transcription initiation factor TFIID subunit 2 isoform X2
XP_006636008.1	transcription initiation factor TFIID subunit 2-like
NP_001036209.1	transcription initiation factor TFIID subunit 3

XP_006025986.1 transcription initiation factor TFIID subunit 4
 XP_005163126.1 transcription initiation factor TFIID subunit 4 isoform X2
 XP_692554.5 transcription initiation factor TFIID subunit 4 isoform X3
 XP_006641325.1 transcription initiation factor TFIID subunit 4-like
 XP_001920944.3 transcription initiation factor TFIID subunit 4-like isoform X1
 XP_006779817.1 transcription initiation factor TFIID subunit 4-like isoform X2
 XP_004571588.1 transcription initiation factor TFIID subunit 4-like isoform X4
 XP_005458591.1 transcription initiation factor TFIID subunit 5
 XP_006630816.1 transcription initiation factor TFIID subunit 5-like
 XP_006627507.1 transcription initiation factor TFIID subunit 6-like
 NP_001187656.1 transcription initiation factor TFIID subunit 7
 ACN10220.1 Transcription initiation factor TFIID subunit 8
 NP_001037860.2 transcription initiation factor TFIID subunit 9
 XP_005900141.1 transcription initiation protein SPT3 homolog
 XP_005797319.1 transcription intermediary factor 1-alpha-like
 XP_004560860.1 transcription intermediary factor 1-alpha-like isoform X3
 XP_002927123.1 transcription intermediary factor 1-beta-like
 XP_006628306.1 transcription regulator protein BACH1-like
 XP_003456080.2 transcription regulator protein BACH2
 XP_005160605.1 transcription regulator protein BACH2 isoform X1
 XP_004082482.1 transcription regulator protein BACH2-like
 XP_005168676.1 transcription termination factor 2
 XP_006636212.1 transcription termination factor, mitochondrial-like
 XP_006634479.1 transcriptional activator GLI3-like
 XP_005739171.1 transcriptional activator protein Pur-beta-like
 XP_003768054.1 transcriptional adapter 2-alpha
 XP_005157493.1 transcriptional adapter 2-alpha isoform X1
 XP_003458228.1 transcriptional adapter 2-beta-like isoform X1
 XP_005155850.1 transcriptional adapter 3 isoform X1
 XP_003973518.1 transcriptional adapter 3-like
 XP_005800697.1 transcriptional adapter 3-like isoform X1
 XP_003773667.1 transcriptional enhancer factor TEF-1
 XP_006001043.1 transcriptional enhancer factor TEF-1 isoform X3
 XP_006001045.1 transcriptional enhancer factor TEF-1 isoform X5
 XP_005874070.1 transcriptional enhancer factor TEF-1, partial
 XP_005172422.1 transcriptional enhancer factor TEF-1-like isoform X3
 XP_004563919.1 transcriptional enhancer factor TEF-3-like
 XP_003923373.1 transcriptional enhancer factor TEF-5
 XP_005160847.1 transcriptional protein SWT1 isoform X3
 XP_005451899.1 transcriptional protein SWT1-like isoform X6
 XP_001341061.1 transcriptional regulator ATRX homolog
 XP_005157180.1 transcriptional regulator ATRX isoform X1
 XP_004541725.1 transcriptional regulator ATRX-like
 XP_006002586.1 transcriptional regulator Erg isoform X1
 XP_007183838.1 transcriptional regulator ERG isoform X6
 AAD00563.1 transcriptional regulator Sox-21
 XP_005159134.1 transcriptional repressor CTCF isoform X1
 XP_690559.4 transcriptional repressor NF-X1-like
 XP_003974062.1 transcriptional repressor p66-alpha-like
 XP_004554949.1 transcriptional repressor p66-alpha-like isoform X1
 NP_001038440.1 transcriptional repressor p66-beta
 XP_006501422.1 transcriptional repressor p66-beta isoform X1
 XP_006501423.1 transcriptional repressor p66-beta isoform X2
 XP_004886546.1 transcriptional repressor protein YY1
 XP_005798959.1 transcriptional repressor scratch 1-like
 XP_697502.4 transcriptional-regulating factor 1-like
 NP_956903.1 transducin (beta)-like 1 X-linked receptor 1b
 XP_005163334.1 transducin (beta)-like 1 X-linked receptor 1b isoform X1
 XP_005172698.1 transducin (beta)-like 2 isoform X1
 NP_997932.1 transducin beta-like protein 2 precursor
 NP_001007403.1 transducin beta-like protein 3
 XP_006637433.1 transducin beta-like protein 3-like
 XP_005170537.1 transducin-like enhancer of split 2 isoform X2
 XP_004381345.1 transducin-like enhancer protein 1-like isoform 2
 XP_005170593.1 transducin-like enhancer protein 4 isoform X1
 BAA84097.1 transferrin
 NP_001187249.1 transferrin precursor
 NP_001009917.1 transferrin receptor 1a
 NP_001009918.2 transferrin receptor 1b
 XP_005742010.1 transferrin receptor protein 1-like
 XP_005951746.1 transferrin receptor protein 1-like, partial
 NP_001009916.1 transferrin receptor protein 2
 XP_001919276.4 transformation/transcription domain-associated protein
 XP_007186781.1 transformation/transcription domain-associated protein isoform X1
 XP_005932935.1 transformation/transcription domain-associated protein-like isoform X1
 XP_005058169.1 transforming acidic coiled-coil-containing protein 1
 XP_005155378.1 transforming acidic coiled-coil-containing protein 1 isoform X1
 XP_694073.4 transforming acidic coiled-coil-containing protein 1 isoform X2
 XP_006625561.1 transforming acidic coiled-coil-containing protein 1-like

XP_698488.6 transforming acidic coiled-coil-containing protein 2-like isoform X7
 NP_997746.1 transforming acidic coiled-coil-containing protein 3
 ABU53678.1 transforming growth factor beta
 XP_004421168.1 transforming growth factor beta receptor type 3
 XP_002662477.3 transforming growth factor beta receptor type 3-like
 XP_003198083.2 transforming growth factor beta receptor type 3-like isoform X1
 XP_005171604.1 transforming growth factor beta receptor type 3-like isoform X2
 NP_001107918.2 transforming growth factor beta regulator 1
 XP_006642297.1 transforming growth factor beta regulator 1-like
 XP_004543980.1 transforming growth factor beta regulator 1-like isoform X2
 XP_005749339.1 transforming growth factor beta-1-induced transcript 1 protein-like
 NP_919366.1 transforming growth factor beta-2 precursor
 XP_688180.1 transforming growth factor beta-2-like
 NP_919367.2 transforming growth factor beta-3 precursor
 XP_004541931.1 transforming growth factor beta-3-like
 AGI51677.1 transforming growth factor beta-activated kinase 1
 NP_878293.1 transforming growth factor, beta 1a precursor
 AAH95296.1 Transforming growth factor, beta-induced
 AAB62983.1 transforming growth factor-beta 2, partial
 NP_001077023.1 transforming growth factor-beta receptor-associated protein 1 homolog
 XP_003445767.1 transforming growth factor-beta receptor-associated protein 1 homolog isoform X1
 XP_005169918.1 transforming growth factor-beta receptor-associated protein 1-like
 NP_001133863.1 Transforming growth factor-beta-induced protein ig-h3 precursor
 XP_005989874.1 transforming protein p68/c-ets-1 isoform X2
 XP_003441729.2 transforming protein p68/c-ets-1-like isoform X1
 ELK25022.1 Transforming protein RhoA
 XP_006631233.1 transforming protein RhoA-like
 AAH95573.1 Transforming, acidic coiled-coil containing protein 3
 NP_001188146.1 transgelin
 NP_001096584.1 transgelin 3a
 NP_956014.1 transgelin-3
 XP_006627826.1 transgelin-3-like
 BAF37011.1 transglutaminase
 NP_001025267.1 transglutaminase 1
 NP_001133569.1 transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)
 NP_001004647.1 transglutaminase 2
 XP_004313928.1 trans-Golgi network integral membrane protein 2-like
 ACI26673.1 transient receptor potential cation channel subfamily A member 1b
 XP_006794667.1 transient receptor potential cation channel subfamily A member 1-like
 AGW27445.1 transient receptor potential cation channel subfamily c member 2a
 AGW27450.1 transient receptor potential cation channel subfamily c member 5a
 AGW27453.1 transient receptor potential cation channel subfamily c member 6b, partial
 XP_005730063.1 transient receptor potential cation channel subfamily M member 1-like isoform X1
 XP_005918368.1 transient receptor potential cation channel subfamily M member 2-like
 XP_005169187.1 transient receptor potential cation channel subfamily M member 2-like, partial
 XP_005171995.1 transient receptor potential cation channel subfamily M member 3 isoform X12
 XP_005171998.1 transient receptor potential cation channel subfamily M member 3 isoform X15
 XP_005171999.1 transient receptor potential cation channel subfamily M member 3 isoform X16
 XP_006918491.1 transient receptor potential cation channel subfamily M member 3 isoform X20
 XP_005171989.1 transient receptor potential cation channel subfamily M member 3 isoform X6
 XP_006626935.1 transient receptor potential cation channel subfamily M member 3-like
 XP_005922693.1 transient receptor potential cation channel subfamily M member 3-like isoform X1
 XP_005922696.1 transient receptor potential cation channel subfamily M member 3-like isoform X4
 CBN81358.1 Transient receptor potential cation channel subfamily M member 4
 XP_004571458.1 transient receptor potential cation channel subfamily M member 4-like
 XP_006642600.1 transient receptor potential cation channel subfamily M member 5-like
 ELK05424.1 Transient receptor potential cation channel subfamily M member 7, partial
 XP_006628750.1 transient receptor potential cation channel subfamily M member 7-like
 XP_004539659.1 transient receptor potential cation channel subfamily M member 7-like isoform X2
 XP_004539660.1 transient receptor potential cation channel subfamily M member 7-like isoform X3
 NP_001133970.1 transient receptor potential cation channel subfamily V member 1
 XP_006641065.1 transient receptor potential cation channel subfamily V member 1-like
 XP_005165209.1 transient receptor potential cation channel subfamily V member 4 isoform X2
 XP_003975033.1 transient receptor potential cation channel subfamily V member 4-like
 NP_001007066.1 transient receptor potential cation channel, subfamily A, member 1a
 NP_001007067.1 transient receptor potential cation channel, subfamily A, member 1b
 NP_001276813.1 transient receptor potential cation channel, subfamily C, member 3
 NP_571643.1 transient receptor potential cation channel, subfamily C, member 4 associated protein b
 NP_001276810.1 transient receptor potential cation channel, subfamily C, member 4b
 NP_001276808.1 transient receptor potential cation channel, subfamily C, member 7a
 NP_001276815.1 transient receptor potential cation channel, subfamily C, member 7b
 NP_001275746.1 transient receptor potential cation channel, subfamily M, member 2
 NP_001275744.1 transient receptor potential cation channel, subfamily M, member 4a
 NP_001238760.1 transient receptor potential cation channel, subfamily M, member 6
 NP_899192.1 transient receptor potential cation channel, subfamily N, member 1
 NP_001119871.1 transient receptor potential cation channel, subfamily V, member 1
 XP_005165386.1 transient receptor potential cation channel, subfamily V, member 1 isoform X3
 XP_005156573.1 transient receptor potential channel pyrexia-like

AGS55979.1 transient receptor potential melastatin 1a
 AGS55982.1 transient receptor potential melastatin 3
 AGS55988.1 transient receptor potential melastatin 6
 ADV32915.1 transient receptor potential vanilloid 5-6
 EMP39450.1 Transitional endoplasmic reticulum ATPase
 XP_003217754.1 transketolase
 XP_006631187.1 transketolase-like
 XP_003444807.1 transketolase-like isoform X1
 XP_002664348.1 translation factor GUF1, mitochondrial isoform X1
 NP_001188036.1 translation initiation factor eif-2b subunit alpha
 XP_005160518.1 translation initiation factor eIF-2B subunit delta isoform X2
 XP_004541945.1 translation initiation factor eIF-2B subunit delta-like
 EPY82363.1 translation initiation factor eIF-2B subunit epsilon
 XP_003457489.1 translation initiation factor eIF-2B subunit epsilon-like
 NP_957368.1 translation initiation factor eIF-2B subunit gamma
 XP_004542705.1 translation initiation factor eIF-2B subunit gamma-like
 ELK29395.1 Translation initiation factor IF-2
 XP_004469574.1 translation initiation factor IF-2 isoform 1
 XP_006638534.1 translation initiation factor IF-2, mitochondrial-like
 XP_004593893.1 translation initiation factor IF-2-like
 XP_003971952.1 translation initiation factor IF-3, mitochondrial-like
 XP_002667084.2 translational activator GCN1
 XP_006797655.1 translational activator GCN1-like
 NP_001076342.1 translational activator of cytochrome c oxidase 1
 XP_003201765.1 translational activator of cytochrome c oxidase 1-like
 ADO28114.1 translationally-controlled tumor protein-like protein
 EMP26877.1 Translin-associated factor X-interacting protein 1
 XP_005159179.1 translin-associated factor X-interacting protein 1 isoform X1
 NP_001025275.1 translin-associated protein X
 XP_003454951.2 translin-like
 ABD38665.1 translocase of outer mitochondrial membrane 34
 NP_955908.1 translocase of outer mitochondrial membrane 40
 XP_005158147.1 translocase of outer mitochondrial membrane 40 isoform X1
 XP_006275298.1 translocating chain-associated membrane protein 1-like 1-like
 XP_005173869.1 translocating chain-associated membrane protein 2 isoform X1
 XP_003458282.1 translocating chain-associated membrane protein 2-like
 XP_005806355.1 translocation protein SEC62-like
 XP_005800300.1 translocation protein SEC63 homolog
 XP_004083757.1 translocation protein SEC63 homolog isoform 2
 XP_007120270.1 translocation protein SEC63 homolog, partial
 ADO28402.1 translocator protein
 XP_006639557.1 translocon-associated protein subunit alpha-like
 XP_003795451.1 translocon-associated protein subunit beta
 XP_004074342.1 translocon-associated protein subunit beta-like
 XP_004457147.1 translocon-associated protein subunit delta isoform 1
 XP_004558781.1 translocon-associated protein subunit delta-like
 XP_005601824.1 translocon-associated protein subunit gamma
 XP_005161912.1 transmembrane 4 L six family member 18 isoform X1
 XP_005157446.1 transmembrane 4 L6 family member 19-like
 XP_005510656.1 transmembrane 4 L6 family member 4
 NP_001188044.1 transmembrane 4 l6 family member 5
 XP_005735585.1 transmembrane 4 L6 family member 5-like
 NP_998109.1 transmembrane 6 superfamily member 1
 XP_693713.2 transmembrane 7 superfamily member 3
 XP_004698552.1 transmembrane 9 superfamily member 1
 XP_005037817.1 transmembrane 9 superfamily member 2
 NP_997893.1 transmembrane 9 superfamily member 2 precursor
 XP_005467503.1 transmembrane 9 superfamily member 2-like isoform X2
 XP_002192844.2 transmembrane 9 superfamily member 4
 XP_006804091.1 transmembrane 9 superfamily member 4-like
 NP_956804.2 transmembrane 9 superfamily protein member 4 precursor
 ACD93412.1 transmembrane agrin
 NP_001038384.1 transmembrane and coiled-coil domain family 2
 XP_005168330.1 transmembrane and coiled-coil domain family 2 isoform X1
 XP_007078185.1 transmembrane and coiled-coil domain-containing protein 1
 XP_005727310.1 transmembrane and coiled-coil domain-containing protein 1-like isoform X1
 XP_002660366.2 transmembrane and coiled-coil domain-containing protein 3
 XP_006780409.1 transmembrane and coiled-coil domain-containing protein 3-like
 XP_006810125.1 transmembrane and coiled-coil domain-containing protein 3-like isoform X1
 XP_003201275.2 transmembrane and coiled-coil domain-containing protein 4
 NP_001083006.1 transmembrane and coiled-coil domain-containing protein 6
 XP_005157204.1 transmembrane and coiled-coil domain-containing protein 6 isoform X1
 NP_001073477.1 transmembrane and coiled-coil domains protein 1
 XP_005981315.1 transmembrane and coiled-coil domains protein 1 isoform X3
 XP_005938984.1 transmembrane and coiled-coil domains protein 1-like isoform X3
 XP_005909727.1 transmembrane and coiled-coil domains protein 2
 NP_001038278.1 transmembrane and coiled-coil domains protein 3
 NP_001166973.1 transmembrane and tetratricopeptide repeat containing 4
 XP_001922025.3 transmembrane and TPR repeat-containing protein 1 isoform X1

XP_006633171.1 transmembrane and TPR repeat-containing protein 1-like
 XP_004573153.1 transmembrane and TPR repeat-containing protein 1-like isoform X1
 XP_004573155.1 transmembrane and TPR repeat-containing protein 1-like isoform X3
 NP_001124075.1 transmembrane and TPR repeat-containing protein 2 precursor
 XP_682966.6 transmembrane and TPR repeat-containing protein 2, partial
 XP_006633670.1 transmembrane and TPR repeat-containing protein 2-like
 XP_001922486.4 transmembrane and TPR repeat-containing protein 3
 XP_005731616.1 transmembrane and TPR repeat-containing protein 3-like isoform X1
 ACI69118.1 Transmembrane and TPR repeat-containing protein 4
 NP_998463.1 transmembrane and ubiquitin-like domain-containing protein 1
 NP_001005573.1 transmembrane and ubiquitin-like domain-containing protein 2
 XP_686626.1 transmembrane anterior posterior transformation protein 1 homolog
 XP_005990478.1 transmembrane anterior posterior transformation protein 1 homolog isoform X2
 XP_003411416.1 transmembrane anterior posterior transformation protein 1-like
 NP_001005992.1 transmembrane BAX inhibitor motif-containing protein 1
 EAX10593.1 transmembrane channel-like 2, isoform CRA_c
 XP_002664983.1 transmembrane channel-like 4
 XP_695687.4 transmembrane channel-like gene family 2-like
 XP_003445643.1 transmembrane channel-like protein 2-like
 XP_005922823.1 transmembrane channel-like protein 2-like, partial
 XP_005172242.1 transmembrane channel-like protein 3-like
 XP_005163977.1 transmembrane channel-like protein 5-like isoform X1
 XP_689991.4 transmembrane channel-like protein 5-like isoform X2
 XP_006635470.1 transmembrane channel-like protein 6-like
 NP_001158807.1 Transmembrane channel-like protein 7
 XP_005797334.1 transmembrane channel-like protein 7-like
 NP_001135204.1 Transmembrane emp24 domain-containing protein 1
 ADO27743.1 transmembrane emp24 domain-containing protein 10
 XP_004054164.1 transmembrane emp24 domain-containing protein 2
 XP_006635134.1 transmembrane emp24 domain-containing protein 5-like
 XP_003439423.1 transmembrane emp24 domain-containing protein 6-like
 XP_003974884.1 transmembrane emp24 domain-containing protein 7-like
 XP_005355388.1 transmembrane emp24 domain-containing protein 9
 NP_001028280.1 transmembrane emp24 domain-containing protein 9 precursor
 NP_001005948.1 transmembrane gamma-carboxyglutamic acid protein 1
 XP_005166891.1 transmembrane gamma-carboxyglutamic acid protein 1 isoform X1
 NP_001189406.1 transmembrane gamma-carboxyglutamic acid protein 2-like precursor
 XP_691746.4 transmembrane gamma-carboxyglutamic acid protein 3-like
 NP_001017637.1 transmembrane gamma-carboxyglutamic acid protein 4 precursor
 NP_001164118.1 transmembrane inner ear expressed protein isoform a
 XP_004542900.1 transmembrane inner ear expressed protein-like
 XP_005803460.1 transmembrane O-methyltransferase-like
 XP_003454632.1 transmembrane prolyl 4-hydroxylase-like
 NP_001008623.1 transmembrane protease serine 2
 XP_006627927.1 transmembrane protease serine 2-like
 XP_001340422.5 transmembrane protease serine 3
 XP_006806520.1 transmembrane protease serine 3-like, partial
 XP_003968493.1 transmembrane protease serine 4-like
 XP_698179.4 transmembrane protease serine 5-like
 XP_006803851.1 transmembrane protease serine 6-like
 XP_002666699.2 transmembrane protease serine 7-like
 XP_001922711.4 transmembrane protease serine 9
 XP_004071250.1 transmembrane protease serine 9-like
 XP_005165399.1 transmembrane protease, serine 13b isoform X1
 XP_005157547.1 transmembrane protease, serine 4a isoform X1
 NP_001119849.1 transmembrane protease, serine 4b
 XP_006635191.1 transmembrane protein 100-like
 XP_005924229.1 transmembrane protein 100-like isoform X1
 XP_005794762.1 transmembrane protein 101-like
 XP_693756.3 transmembrane protein 104 isoform X2
 XP_005803274.1 transmembrane protein 104-like
 NP_001122148.1 transmembrane protein 106A
 ADO27981.1 transmembrane protein 106b
 NP_001070764.1 transmembrane protein 106C
 XP_005944871.1 transmembrane protein 106C-like
 XP_003450935.1 transmembrane protein 107-like isoformX2
 XP_005162650.1 transmembrane protein 108-like isoform X1
 XP_003199940.1 transmembrane protein 109-like isoform 1
 NP_956761.1 transmembrane protein 110
 XP_003442803.1 transmembrane protein 110-like
 NP_001188243.1 transmembrane protein 111
 NP_001009987.2 transmembrane protein 111-like
 XP_001922308.2 transmembrane protein 114-like
 XP_003967680.1 transmembrane protein 117-like
 XP_004563839.1 transmembrane protein 117-like isoform X1
 XP_687955.1 transmembrane protein 119
 ADO28382.1 transmembrane protein 120a
 XP_004690779.1 transmembrane protein 120B
 XP_005158801.1 transmembrane protein 121-like

XP_004559768.1	transmembrane protein 121-like isoform X1
ADO28376.1	transmembrane protein 126a
ACI33691.1	Transmembrane protein 127
CBN81100.1	Transmembrane protein 128
XP_001923340.1	transmembrane protein 131 isoform X1
XP_005166018.1	transmembrane protein 131 isoform X2
XP_006629599.1	transmembrane protein 131-like
XP_004176473.1	transmembrane protein 132B
XP_684556.5	transmembrane protein 132C
XP_005161288.1	transmembrane protein 132C-like
XP_001922187.2	transmembrane protein 132D isoform X1
XP_003200908.1	transmembrane protein 132D-like
XP_692496.5	transmembrane protein 132E
NP_001082887.1	transmembrane protein 135
XP_006628179.1	transmembrane protein 135-like
NP_001258553.1	transmembrane protein 136a
XP_002666816.1	transmembrane protein 138
ADO28387.1	transmembrane protein 141
EDL19655.1	transmembrane protein 142A, isoform CRA_a
NP_001003999.1	transmembrane protein 144 precursor
XP_005800639.1	transmembrane protein 144-like
XP_686062.6	transmembrane protein 145-like
ACO14017.1	Transmembrane protein 147
NP_956805.1	transmembrane protein 150
ACI69526.1	Transmembrane protein 150 precursor
NP_001038875.1	transmembrane protein 150A
XP_005025276.1	transmembrane protein 150A-like
XP_005453785.1	transmembrane protein 150A-like isoform X2
XP_001342667.2	transmembrane protein 150C isoform X1
NP_001188285.1	transmembrane protein 150-like precursor
XP_005158887.1	transmembrane protein 151B-like
XP_002667301.2	transmembrane protein 151B-like isoform X1
XP_005170961.1	transmembrane protein 154 isoform X1
NP_001122172.1	transmembrane protein 160
NP_998536.1	transmembrane protein 161B
XP_005023495.1	transmembrane protein 161B-like
XP_005174068.1	transmembrane protein 163-like isoform X2
XP_006799525.1	transmembrane protein 164-like isoform X1
XP_002667254.2	transmembrane protein 164-like, partial
NP_001076555.1	transmembrane protein 168-A
XP_686962.3	transmembrane protein 168-like
XP_698565.5	transmembrane protein 169-like
NP_001187661.1	transmembrane protein 170a
NP_001265766.1	transmembrane protein 173
NP_001093545.1	transmembrane protein 175
NP_001187494.1	transmembrane protein 177
NP_001070108.1	transmembrane protein 178A precursor
NP_001002396.2	transmembrane protein 178B precursor
XP_004543299.1	transmembrane protein 178B-like
NP_001122218.1	transmembrane protein 178-like precursor
NP_001018325.1	transmembrane protein 179B
XP_001333416.2	transmembrane protein 179B-like
XP_005171821.1	transmembrane protein 17A isoform X1
XP_005163179.1	transmembrane protein 17B isoform X2
NP_001008654.1	transmembrane protein 180
XP_005165925.1	transmembrane protein 182-like isoform X1
XP_005165926.1	transmembrane protein 182-like isoform X2
NP_001014317.1	transmembrane protein 183
XP_005172932.1	transmembrane protein 183 isoform X1
NP_001167188.1	Transmembrane protein 184A
XP_006798254.1	transmembrane protein 184A-like
NP_001017718.2	transmembrane protein 184B
NP_001139068.1	transmembrane protein 184C
XP_006002954.1	transmembrane protein 184C isoform X3
XP_005797637.1	transmembrane protein 184C-like
NP_001188106.1	transmembrane protein 185a
NP_001134026.1	Transmembrane protein 185-like
NP_001129456.1	transmembrane protein 186
XP_001341471.1	transmembrane protein 187
XP_006018257.1	transmembrane protein 189
NP_001188006.1	transmembrane protein 192
XP_683418.2	transmembrane protein 194A
XP_006794143.1	transmembrane protein 194A-like
XP_693037.2	transmembrane protein 194B
XP_003969433.1	transmembrane protein 196-like
NP_001187293.1	transmembrane protein 198
XP_691948.4	transmembrane protein 198-B
XP_003973145.1	transmembrane protein 198-B-like
XP_005804303.1	transmembrane protein 198-like isoform X1

NP_001099067.1	transmembrane protein 199
XP_005171957.1	transmembrane protein 2 isoform X1
NP_001038265.1	transmembrane protein 200A
XP_005159619.1	transmembrane protein 200A-like
XP_001342745.4	transmembrane protein 200C-like
NP_001103936.1	transmembrane protein 201
NP_001157369.1	transmembrane protein 204
XP_003961349.1	transmembrane protein 204-like
XP_698143.3	transmembrane protein 205-like
XP_006641516.1	transmembrane protein 208-like
NP_001257902.1	transmembrane protein 209
XP_003972986.1	transmembrane protein 209-like
XP_005814852.1	transmembrane protein 214-A-like
XP_004552101.1	transmembrane protein 216-like isoform X1
XP_003442638.1	transmembrane protein 220-like
NP_001013334.1	transmembrane protein 222
XP_003977244.1	transmembrane protein 222-like
NP_001003594.1	transmembrane protein 223
XP_004554642.1	transmembrane protein 229B-like
NP_956681.1	transmembrane protein 231
XP_005167443.1	transmembrane protein 233-like
NP_001230082.1	transmembrane protein 234 isoform 2 precursor
XP_001340845.3	transmembrane protein 235-like
XP_003450129.1	transmembrane protein 235-like isoform X1
XP_003968106.1	transmembrane protein 236-like
XP_005167559.1	transmembrane protein 237A isoform X1
NP_001004636.1	transmembrane protein 237B
XP_001341465.1	transmembrane protein 238-like
XP_004561161.1	transmembrane protein 242-like
NP_001038261.1	transmembrane protein 244
XP_005160388.1	transmembrane protein 244 isoform X1
XP_006635794.1	transmembrane protein 245-like
XP_005797539.1	transmembrane protein 246-like
NP_001013548.1	transmembrane protein 248
NP_001133748.1	Transmembrane protein 25
XP_001922588.3	transmembrane protein 255A isoform X1
XP_006639367.1	transmembrane protein 255B-like
XP_006627425.1	transmembrane protein 256 homolog
NP_001017620.1	transmembrane protein 256 precursor
XP_004567090.1	transmembrane protein 25-like
XP_688103.5	transmembrane protein 260-like isoform X2
XP_005727389.1	transmembrane protein 26-like
XP_005808575.1	transmembrane protein 2-like
NP_991123.2	transmembrane protein 30A
NP_998828.1	transmembrane protein 33
NP_001014335.2	transmembrane protein 35
XP_006639253.1	transmembrane protein 39A-like
XP_006261540.1	transmembrane protein 39A-like isoform X2
NP_956154.1	transmembrane protein 39B
XP_004540884.1	transmembrane protein 39B-like isoform X2
ADO28169.1	transmembrane protein 41a-a
NP_998248.1	transmembrane protein 41A-B precursor
XP_003442334.1	transmembrane protein 41B-like
NP_001167215.1	Transmembrane protein 43
XP_003973277.1	transmembrane protein 43-like
NP_001018453.1	transmembrane protein 45A
ADO27852.1	transmembrane protein 45b
XP_003973881.1	transmembrane protein 45B-like
XP_004174991.1	transmembrane protein 47
XP_005952829.1	transmembrane protein 47-like
NP_001068580.1	transmembrane protein 5
ACQ59035.1	Transmembrane protein 50A
NP_001096087.1	transmembrane protein 51b
XP_003444926.1	transmembrane protein 51-like
NP_001002637.1	transmembrane protein 53
XP_005158556.1	transmembrane protein 54 isoform X1
XP_003969167.1	transmembrane protein 54-like
XP_002916651.1	transmembrane protein 55A-like
XP_004584697.1	transmembrane protein 55B isoform X1
XP_004078619.1	transmembrane protein 55B-A-like
XP_005162909.1	transmembrane protein 56-B isoform X1
XP_005802878.1	transmembrane protein 56-B-like
XP_004562949.1	transmembrane protein 56-B-like isoform X1
NP_001167487.1	transmembrane protein 57
ACO09613.1	Transmembrane protein 59 precursor
AAH54584.1	Transmembrane protein 59-like
NP_001133755.1	Transmembrane protein 60
XP_001923761.1	transmembrane protein 62 isoform X1
XP_006798843.1	transmembrane protein 62-like

NP_001082847.1	transmembrane protein 63A
XP_006126576.1	transmembrane protein 63B
XP_001341225.5	transmembrane protein 63B isoform X1
XP_005169476.1	transmembrane protein 63B isoform X2
XP_006625846.1	transmembrane protein 63B-like
XP_004574081.1	transmembrane protein 63B-like isoform X4
NP_001153308.1	transmembrane protein 63C
XP_005158939.1	transmembrane protein 63C isoform X1
XP_005477130.1	transmembrane protein 63C-like
NP_001121723.1	transmembrane protein 64
XP_006000871.1	transmembrane protein 65
XP_003219456.1	transmembrane protein 65 isoform X2
XP_005804793.1	transmembrane protein 65-like
XP_005935043.1	transmembrane protein 65-like isoform X1
XP_005752097.1	transmembrane protein 65-like isoform X2
NP_001274011.1	transmembrane protein 69
XP_002660878.1	transmembrane protein 70, mitochondrial
XP_005157002.1	transmembrane protein 72 isoform X1
XP_005170142.1	transmembrane protein 74-like
ACN10887.1	Transmembrane protein 77
XP_002667828.1	transmembrane protein 79 isoform X1
XP_001342604.1	transmembrane protein 81
NP_001188056.1	transmembrane protein 82
ADO28190.1	transmembrane protein 85
NP_001013530.1	transmembrane protein 86A
NP_001038833.1	transmembrane protein 86B
XP_006627742.1	transmembrane protein 87A-like
XP_005474066.1	transmembrane protein 87A-like isoform X3
NP_991233.1	transmembrane protein 88 a
XP_004572259.1	transmembrane protein 88-like
XP_005170920.1	transmembrane protein 8A isoform X1
XP_001920832.2	transmembrane protein 8B isoform X1
XP_005165500.1	transmembrane protein 8B isoform X2
XP_006627248.1	transmembrane protein 8B-like
ADO27875.1	transmembrane protein 97
XP_005796801.1	transmembrane protein 98-like
NP_956026.2	transmembrane protein 9B precursor
XP_003442337.1	transmembrane protein 9B-like
XP_004545235.1	transmembrane protein adipocyte-associated 1 homolog
XP_005928875.1	transmembrane protein C15orf27-like
XP_005470789.1	transmembrane protein C15orf27-like isoform X1
NP_001187662.1	transmembrane protein c3orf1-like protein
NP_001188089.1	transmembrane protein c9orf46
XP_688253.2	transmembrane protein C9orf91 homolog isoform X2
XP_001921227.1	transmembrane protein FAM155A-like
NP_001121837.1	transmembrane protein with EGF-like and two follistatin-like domains 2a
NP_001073512.1	transmembrane protein with metallophosphoesterase domain
EAR88778.2	transmembrane protein, putative
XP_683380.3	transport and Golgi organization 6 homolog
EPY83534.1	transportin 2 isoform 4-like protein
EMP37230.1	Transportin-2
XP_003972076.1	transportin-2-like
XP_006631535.1	transportin-2-like isoform X1
NP_957381.1	transportin-3
XP_006781257.1	transportin-3-like
XP_006633284.1	transportin-3-like isoform X1
EFN86619.1	Transposable element Tc1 transposase
EPN66011.1	Transposable element Tc3 transposase
CCA19079.1	Transposable element Tc3 transposase putative
XP_002781298.1	Transposable element Tc3 transposase, putative
CBN81309.1	Transposable element Tcb1 transposase
EFN70315.1	Transposable element Tcb2 transposase
EUC62926.1	transposable element Tcb2 transposase, partial
AAB02637.1	transposase
CAA82359.1	transposase (putative)
CDJ91223.1	Transposase domain containing protein
CCA18549.1	transposase putative
AFJ91763.1	transposase, partial
NP_001133228.1	transposase-like
ELR4514.1	Transposon TX1 uncharacterized 149 kDa protein, partial
ADX23545.1	trans-sialidase
A6NAF9.2	TRD7A_DANRE RecName: Full=Tudor domain-containing protein 7A
XP_001336187.3	trehalase
XP_006796779.1	trehalase-like
XP_005936870.1	trehalase-like isoform X1
NP_001003887.1	treslin
ACI67597.1	Triadin
XP_001332342.3	tribbles homolog 1
XP_006626004.1	tribbles homolog 2-like

XP_003978690.1	tricarboxylate transport protein, mitochondrial-like
XP_001341898.4	trichohyalin
XP_003200418.2	trichohyalin-like
XP_005166414.1	trichohyalin-like isoform X1
XP_005161540.1	trichohyalin-like isoform X2
XP_005478309.1	trichohyalin-like isoform X3
XP_706869.1	trichohyalin-like isoformX2
XP_006640267.1	trichoplein keratin filament-binding protein-like
XP_005473378.1	trichoplein keratin filament-binding protein-like isoform X2
ACN58629.1	Trifunctional enzyme subunit alpha, mitochondrial precursor
XP_004935894.1	trifunctional enzyme subunit beta, mitochondrial isoform X4
XP_006625920.1	trifunctional enzyme subunit beta, mitochondrial-like
AGS58231.1	trifunctional purine biosynthetic protein adenosine-3, partial
NP_957194.1	trimeric intracellular cation channel type A
XP_004074629.1	trimeric intracellular cation channel type B-like
XP_003197913.2	trimethylguanosine synthase isoform X1
XP_006632710.1	trimethyllysine dioxygenase, mitochondrial-like
XP_005164236.1	trinucleotide repeat-containing gene 18 protein isoform X3
XP_005992386.1	trinucleotide repeat-containing gene 18 protein-like isoform X3
XP_002663990.3	trinucleotide repeat-containing gene 6B protein
XP_004557613.1	trinucleotide repeat-containing gene 6B protein-like isoform X1
XP_005165521.1	trinucleotide repeat-containing gene 6B protein-like isoform X2
XP_003997284.2	trinucleotide repeat-containing gene 6C protein
XP_005164151.1	trinucleotide repeat-containing gene 6C protein isoform X2
XP_689365.5	trinucleotide repeat-containing gene 6C protein isoform X3
XP_005160218.1	TRIO and F-actin-binding protein-like
XP_005468496.1	TRIO and F-actin-binding protein-like isoform X1
Q1LUA6.1	TRIO_DANRE RecName: Full=Triple functional domain protein
NP_001187307.1	triosephosphate isomerase b
NP_001038423.1	tripartite motif containing 35-22
NP_956172.1	tripartite motif containing 35-27
NP_001002870.2	tripartite motif-containing 24
NP_001073637.1	tripartite motif-containing 3b
XP_005163262.1	tripartite motif-containing 44 isoform X2
XP_005159463.1	tripartite motif-containing 46 isoform X1
NP_001002358.1	tripartite motif-containing 55
XP_005162766.1	tripartite motif-containing 55b isoform X1
AGJ52177.1	tripartite motif-containing protein
XP_005156283.1	tripartite motif-containing protein 14-like
XP_003197971.1	tripartite motif-containing protein 16
XP_686163.5	tripartite motif-containing protein 16 isoform 2
XP_005163617.1	tripartite motif-containing protein 16 isoform X2
XP_005163673.1	tripartite motif-containing protein 16-like
XP_005157867.1	tripartite motif-containing protein 16-like isoform X1
NP_001014393.1	tripartite motif-containing protein 2
EMP24914.1	Tripartite motif-containing protein 2, partial
XP_695494.5	tripartite motif-containing protein 29
XP_686295.4	tripartite motif-containing protein 3 isoform 1
XP_004554880.1	tripartite motif-containing protein 35-like
XP_005163843.1	tripartite motif-containing protein 35-like isoform X1
XP_006628246.1	tripartite motif-containing protein 3-like
XP_005796869.1	tripartite motif-containing protein 3-like isoform X1
XP_006808212.1	tripartite motif-containing protein 45-like
XP_005158199.1	tripartite motif-containing protein 46 isoform X1
XP_005158200.1	tripartite motif-containing protein 46 isoform X2
XP_005796511.1	tripartite motif-containing protein 46-like
XP_688583.3	tripartite motif-containing protein 47 isoformX1
XP_003458507.1	tripartite motif-containing protein 47-like
XP_006643428.1	tripartite motif-containing protein 47-like, partial
XP_006639655.1	tripartite motif-containing protein 55-like
XP_700683.4	tripartite motif-containing protein 58-like
NP_001074143.1	tripartite motif-containing protein 62
XP_001920401.1	tripartite motif-containing protein 65-like
XP_005166453.1	tripartite motif-containing protein 66-like isoform X1
XP_004072163.1	tripartite motif-containing protein 69-like
XP_005157043.1	tripartite motif-containing protein 9 isoform X4
F1RCR6.1	TRIPC_DANRE RecName: Full=E3 ubiquitin-protein ligase TRIP12; AltName: Full=Thyroid receptor-interacting protein 12; Short=TR-interacting protein 12; Short=TRIP-12
NP_001133559.1	tripeptidyl-peptidase 1 precursor
XP_006639261.1	tripeptidyl-peptidase 2-like
NP_001097996.1	triple functional domain protein
XP_005159799.1	triple functional domain protein isoform X1
XP_002667303.2	triple functional domain protein, partial
XP_002804369.1	triple functional domain protein-like
XP_002667574.3	triple functional domain protein-like isoform X1
XP_005937360.1	triple functional domain protein-like isoform X10
XP_005173523.1	triple functional domain protein-like isoform X3
YP_008123462.1	triple helix repeat-containing collagen

NP_001120728.2 triple QxxK/R motif-containing protein
 AAY86962.1 Trit1 protein
 NP_001158594.1 TRM112-like protein
 A4QP75.2 TRM2B_DANRE RecName: Full=tRNA (uracil(54)-C(5))-methyltransferase homolog-B; AltName: Full=TRM2 homolog B
 AAH46012.1 Trmt11 protein
 XP_001337498.2 tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial-like
 NP_001187362.1 tRNA (adenine-n(1))-methyltransferase catalytic subunit trmt61a
 XP_006635991.1 tRNA (cytosine(34)-C(5))-methyltransferase-like
 XP_005170060.1 tRNA (cytosine-5)-methyltransferase NSUN2 isoform X1
 XP_685886.4 tRNA (guanine(26)-N(2))-dimethyltransferase
 XP_005751876.1 tRNA (guanine(26)-N(2))-dimethyltransferase-like
 NP_001187361.1 tRNA (guanine-n(7))-methyltransferase b
 NP_001119907.1 tRNA (guanine-N(7))-methyltransferase non-catalytic subunit wdr4
 NP_956223.1 tRNA (uracil-5)-methyltransferase homolog A
 XP_003445705.1 tRNA (uracil-5)-methyltransferase homolog A isoform X1
 NP_001006086.2 tRNA (uracil-O(2))-methyltransferase-like
 NP_001013309.2 tRNA 2'-phosphotransferase 1
 NP_001038239.1 tRNA dimethylallyltransferase, mitochondrial
 NP_001014331.1 tRNA guanosine-2'-O-methyltransferase TRM13 homolog
 XP_688031.4 tRNA methyltransferase 1 homolog (S. cerevisiae)-like
 XP_006640035.1 tRNA modification GTPase GTPBP3, mitochondrial-like
 XP_005733222.1 tRNA modification GTPase GTPBP3, mitochondrial-like isoform X1
 XP_005174245.1 tRNA pseudouridine synthase 3 isoform X1
 XP_006640452.1 tRNA pseudouridine synthase A, mitochondrial-like
 XP_005155758.1 tRNA pseudouridine synthase-like 1-like isoform X1
 XP_683563.5 tRNA pseudouridine synthase-like 1-like isoform X4
 NP_001025137.2 tRNA selenocysteine 1-associated protein 1-like
 ACI34016.1 tRNA selenocysteine-associated protein 1
 XP_006260261.1 tRNA wybutosine-synthesizing protein 1 homolog
 XP_005814569.1 tRNA wybutosine-synthesizing protein 1 homolog, partial
 NP_001070632.1 tRNA wybutosine-synthesizing protein 2 homolog
 XP_005171216.1 tRNA wybutosine-synthesizing protein 3 homolog isoform X1
 NP_001071011.1 tRNA wybutosine-synthesizing protein 5
 XP_005463384.1 tRNA wybutosine-synthesizing protein 5-like isoform X2
 NP_955911.1 tRNA-dihydrouridine synthase 1-like
 NP_956968.1 tRNA-dihydrouridine synthase 3-like
 XP_004072073.1 tRNA-dihydrouridine(16/17) synthase NAD(P)(+)-like
 XP_001342694.3 tRNA-dihydrouridine(20) synthase NAD(P)+-like isoform X1
 XP_005166087.1 tRNA-nucleotidyltransferase 1, mitochondrial isoform X1
 NP_001076356.1 tRNA-specific adenosine deaminase 1
 XP_006809160.1 tRNA-specific adenosine deaminase 1-like
 XP_005280451.1 tRNA-specific adenosine deaminase 2
 NP_001187388.1 tRNA-specific adenosine deaminase-like protein 3
 XP_006631170.1 tRNA-splicing endonuclease subunit Sen2-like
 XP_694352.4 tRNA-splicing endonuclease subunit Sen34 isoform X2
 XP_006637553.1 tRNA-splicing endonuclease subunit Sen34-like
 NP_001018365.1 tRNA-splicing endonuclease subunit Sen54
 XP_005171713.1 tRNA-splicing endonuclease subunit Sen54 isoform X1
 XP_005507665.1 tRNA-splicing ligase RtcB homolog
 ELV09964.1 tRNA-splicing ligase RtcB like protein
 NP_001239391.1 trophoblast glycoprotein b precursor
 NP_919373.1 trophoblast glycoprotein-like precursor
 XP_005159867.1 tropomodulin-1 isoform X2
 XP_005052006.1 tropomodulin-2-like isoform X1
 NP_001187783.1 tropomodulin-4
 XP_003275931.2 tropomyosin alpha-1 chain
 XP_004469684.1 tropomyosin alpha-1 chain isoform 2
 XP_006736688.1 tropomyosin alpha-1 chain-like
 XP_004475036.1 tropomyosin alpha-3 chain isoform 1
 XP_004475037.1 tropomyosin alpha-3 chain isoform 2
 XP_005030580.1 tropomyosin alpha-3 chain isoform X1
 XP_005721010.1 tropomyosin alpha-3 chain-like
 XP_006810021.1 tropomyosin alpha-4 chain-like
 XP_005928772.1 tropomyosin alpha-4 chain-like isoform X1
 XP_005928773.1 tropomyosin alpha-4 chain-like isoform X2
 XP_005060602.1 tropomyosin alpha-4 chain-like isoform X7
 XP_005087155.1 tropomyosin beta chain-like
 XP_001337104.1 tropomyosin-2-like
 ACM41865.1 troponin C fast
 NP_571638.1 troponin C type 2 (fast)
 XP_006169378.1 troponin C, slow skeletal and cardiac muscles isoform X1
 ADO28353.1 troponin I cardiac muscle
 NP_001187493.1 troponin I fast skeletal muscle
 NP_001187788.1 troponin I slow skeletal muscle
 NP_001140059.1 Troponin I, cardiac muscle
 XP_691548.5 troponin I, slow skeletal muscle
 XP_004083096.1 troponin I, slow skeletal muscle-like
 AAZ04163.1 troponin T

XP_002662596.2	troponin T, cardiac muscle isoforms
XP_005812893.1	troponin T, fast skeletal muscle isoforms-like
XP_006805451.1	troponin T, fast skeletal muscle isoforms-like isoform X3
XP_004571472.1	troponin T, slow skeletal muscle-like
NP_001188470.1	troponin T2e, cardiac isoform 2
NP_001188471.1	troponin T2e, cardiac isoform 3
CBN81021.1	Trp4-associated protein Tap1A
AAI63719.1	Trpm7 protein
BAA78381.1	truncated form of mannose-binding lectin-associated serine protease
NP_001167329.1	Tryparedoxin
ADO28356.1	trypsin
XP_688509.3	trypsin I-P1-like
NP_001187619.1	trypsin precursor
XP_006794104.1	trypsin-3-like
XP_688573.1	trypsin-like
NP_956150.1	tryptophan 2,3-dioxygenase B
XP_005159132.1	tryptophan 5-hydroxylase 2 isoform X1
XP_005728010.1	tryptophan 5-hydroxylase-like
NP_001001843.2	tryptophan hydroxylase 1b
XP_004223015.1	tryptophan-rich antigen
ACI67163.1	Tryptophan-rich protein
XP_004540508.1	tryptophan--tRNA ligase, cytoplasmic-like isoform X1
NP_001013341.1	tryptophanyl-tRNA synthetase, mitochondrial
ERE65772.1	TSC-22 / Dip / Bun containing protein
XP_005168011.1	TSC22 domain family protein 1 isoform X2
XP_005158361.1	t-SNARE domain-containing protein 1-like isoform X1
NP_001002370.1	TSR3, 20S rRNA accumulation, homolog
ACO13977.1	TSSC1
XP_005157784.1	tsukushin isoform X1
XP_006627920.1	tsukushin-like
A4QP73.2	TTC19_DANRE RecName: Full=Tetratricopeptide repeat protein 19, mitochondrial; Short=TPR repeat protein 19; Flags: Precursor
AHI87500.1	TTF-1
Q8AYG3.2	TTK_DANRE RecName: Full=Dual specificity protein kinase Ttk; AltName: Full=Mitotic checkpoint serine/threonine-protein kinase Mps1; AltName: Full=Monopolar spindle protein 1; AltName: Full=Protein nightcap
AAH83404.1	Trap protein
ACC61070.1	TU52 isoform A
XP_005153317.1	tubby protein
XP_005989763.1	tubby protein homolog
XP_005172410.1	tubby protein homolog isoform X2
XP_699760.6	tubby-related protein 1-like
XP_005164516.1	tubby-related protein 3-like isoform X2
XP_004540190.1	tubby-related protein 4-like
XP_695912.6	tuberin, partial
XP_003972102.1	tuberin-like
XP_004539097.1	tuberin-like isoform X5
XP_006790788.1	tuberin-like isoform X6
BAH47605.1	tuberin-like protein 1 splicing variant1
XP_006168298.1	tubulin alpha-1A chain
XP_005162442.1	tubulin alpha-1B chain isoform X1
XP_006186978.1	tubulin alpha-1D chain-like
XP_004827077.1	tubulin beta chain isoform X1
XP_006635805.1	tubulin beta chain, nucleomorph-like
XP_005941270.1	tubulin beta chain-like
XP_005692120.1	tubulin beta-3 chain
XP_003198209.1	tubulin beta-4B chain isoform 1
XP_006634483.1	tubulin beta-5 chain-like
NP_001002093.1	tubulin delta chain
XP_005157475.1	tubulin delta chain isoform X1
XP_002662215.1	tubulin folding cofactor E-like b
NP_957202.1	tubulin gamma-1 chain
XP_004012987.1	tubulin gamma-1 chain isoform 2
XP_004884536.1	tubulin gamma-1 chain, partial
XP_006011134.1	tubulin monoglycylase TTLL3
XP_005166121.1	tubulin monoglycylase TTLL3 isoform X1
NP_001002208.1	tubulin polyglutamylase complex subunit 2
XP_004068925.1	tubulin polyglutamylase complex subunit 2-like
XP_005986607.1	tubulin polyglutamylase TTLL5
XP_006632409.1	tubulin polyglutamylase TTLL5-like
XP_005916886.1	tubulin polyglutamylase TTLL5-like isoform X3
XP_001345122.4	tubulin polyglutamylase TTLL5-like, partial
NP_001098994.1	tubulin polyglutamylase ttll6
XP_006792128.1	tubulin polyglutamylase TTLL7-like
NP_001187892.1	tubulin polymerization-promoting protein family member 3
XP_004768464.1	tubulin polymerization-promoting protein isoform X1
XP_002667767.2	tubulin polymerization-promoting protein-like
XP_005738563.1	tubulin polymerization-promoting protein-like isoform X1
ABW77485.1	tubulin tyrosine ligase-like family member 6a

XP_004484989.1	tubulin tyrosine ligase-like family, member 3
AAQ91280.1	tubulin, alpha 2
AAH46889.1	Tubulin, alpha 4 like
NP_001003558.1	tubulin, alpha 8 like 3
NP_957348.1	tubulin-specific chaperone A
XP_006642215.1	tubulin-specific chaperone cofactor E-like protein-like
XP_001922584.2	tubulin-specific chaperone D
XP_005155984.1	tubulin-specific chaperone E isoform X3
XP_005156750.1	tubulin--tyrosine ligase isoform X1
NP_956546.1	tubulin--tyrosine ligase-like protein 12
XP_005949074.1	tubulin--tyrosine ligase-like protein 12-like
NP_001014377.1	tudor and KH domain-containing protein
XP_005169531.1	tudor and KH domain-containing protein isoform X2
NP_001157500.1	tudor domain-containing protein 1
EGW06775.1	Tudor domain-containing protein 12
XP_006804025.1	tudor domain-containing protein 12-like
XP_002667006.3	tudor domain-containing protein 12-like isoform X1
XP_006639056.1	tudor domain-containing protein 3-like
XP_694024.6	tudor domain-containing protein 6
NP_001092813.1	tudor domain-containing protein 7A isoform 1
XP_005166552.1	tudor domain-containing protein 7B isoform X2
NP_001073470.1	tuftelin
NP_001002721.1	tuftelin-interacting protein 11
NP_001187101.1	tumor necrosis factor
NP_001036178.1	tumor necrosis factor (ligand) superfamily, member 10 like 3
NP_001019618.1	tumor necrosis factor (TNF superfamily, member 2)
XP_697839.5	tumor necrosis factor alpha-induced protein 2
XP_005160524.1	tumor necrosis factor alpha-induced protein 2 isoform X1
XP_694193.4	tumor necrosis factor alpha-induced protein 2-like isoform X2
NP_956626.1	tumor necrosis factor alpha-induced protein 8-like protein 1
XP_005799800.1	tumor necrosis factor alpha-induced protein 8-like protein 3-like
XP_002663397.2	tumor necrosis factor ligand superfamily member 11
NP_001070075.1	tumor necrosis factor ligand superfamily member 12
AGO01886.1	tumor necrosis factor ligand superfamily member 13
ACO08866.1	Tumor necrosis factor ligand superfamily member 13B
XP_003442020.1	tumor necrosis factor ligand superfamily member 14-like
NP_001036166.1	tumor necrosis factor ligand superfamily member 6
ACR08665.1	tumor necrosis factor receptor 2
BAG71477.1	tumor necrosis factor receptor superfamily member 11A
XP_004576433.1	tumor necrosis factor receptor superfamily member 11B-like
XP_001338648.3	tumor necrosis factor receptor superfamily member 14-like
XP_005167012.1	tumor necrosis factor receptor superfamily member 14-like isoform X2
XP_700985.3	tumor necrosis factor receptor superfamily member 16
XP_003198133.2	tumor necrosis factor receptor superfamily member 16-like
XP_003199624.1	tumor necrosis factor receptor superfamily member 16-like, partial
XP_005157527.1	tumor necrosis factor receptor superfamily member 19 isoform X1
NP_001038369.1	tumor necrosis factor receptor superfamily member 19 precursor
XP_006628161.1	tumor necrosis factor receptor superfamily member 19L-like
XP_004543907.1	tumor necrosis factor receptor superfamily member 19L-like isoform X2
XP_005155972.1	tumor necrosis factor receptor superfamily member 1B isoform X2
XP_002663872.2	tumor necrosis factor receptor superfamily member 21-like
XP_005157994.1	tumor necrosis factor receptor superfamily member 4-like
XP_001338224.5	tumor necrosis factor receptor superfamily member 5
XP_001923114.4	tumor necrosis factor receptor superfamily member 5-like
XP_006638085.1	tumor necrosis factor receptor superfamily member EDAR-like
XP_005166120.1	tumor necrosis factor receptor superfamily, member 18 isoform X1
NP_571682.1	tumor necrosis factor receptor type 1-associated DEATH domain protein
ADO27921.1	tumor necrosis factor-inducible gene 6 protein
NP_694518.1	tumor protein 63 isoform alpha 1
XP_006790473.1	tumor protein 63-like isoform X1
XP_005451282.1	tumor protein 63-like isoform X5
NP_001188174.1	tumor protein D52
XP_005449692.1	tumor protein D53 homolog isoform X3
NP_001038618.1	tumor protein p53 binding protein, 2
NP_001103240.2	tumor protein p53 binding protein, 2-like
NP_001073505.1	tumor protein p53-inducible nuclear protein 1
XP_006642539.1	tumor protein p53-inducible protein 11-like
XP_001338803.3	tumor protein p53-inducible protein 13-like
XP_001922801.1	tumor protein p63 regulated 1-like
NP_001082997.1	tumor protein p63-regulated gene 1 protein
XP_003963185.1	tumor protein p63-regulated gene 1-like protein-like
NP_899183.1	tumor protein p73
XP_006266456.1	tumor suppressor candidate 2
XP_004539249.1	tumor suppressor candidate 3-like
XP_005157677.1	tumor suppressor candidate 5 homolog
NP_001073639.1	tumor suppressor p53-binding protein 1
XP_003440445.1	tumor susceptibility gene 101 protein
XP_006789722.1	tumor susceptibility gene 101 protein-like
AAQ97974.1	TUWD12

XP_005156457.1 tweety homolog 2 isoform X2
 NP_001002304.1 twinfilin-1
 XP_004428970.1 twinfilin-1 isoform 1
 XP_005148101.1 twinfilin-1 isoform X1
 XP_005155863.1 twinfilin-2 isoform X2
 NP_571060.2 twist homolog 3
 ACO09781.1 twisted gastrulation precursor
 NP_001134668.1 Twisted gastrulation protein homolog 1-A precursor
 XP_007115284.1 twist-related protein 1
 NP_001135272.1 Two pore calcium channel protein 1
 XP_005165277.1 two pore calcium channel protein 1 isoform X2
 XP_006638544.1 two pore calcium channel protein 1-like
 NP_001071190.1 two pore calcium channel protein 2
 NP_001170916.1 two pore channel 3
 XP_006172268.1 two pore segment channel 1
 Q1LWB0.2 TXB1A_DANRE RecName: Full=Tax1-binding protein 1 homolog A
 ETE59080.1 Ty3b-i, partial
 O42091.1 TY3H_ANGAN RecName: Full=Tyrosine 3-monooxygenase; AltName: Full=Tyrosine 3-hydroxylase;
 Short=TH
 Q91955.3 TYBA_CYPCA RecName: Full=Thymosin beta-a
 XP_006518903.1 type 1 phosphatidylinositol 4,5-bisphosphate 4-phosphatase isoform X1
 NP_571183.1 type I cytokeratin
 XP_005159400.1 type I cytokeratin, enveloping layer isoform X1
 XP_006630458.1 type I inositol 1,4,5-trisphosphate 5-phosphatase-like
 XP_006639213.1 type I inositol 3,4-bisphosphate 4-phosphatase-like isoform X2
 XP_006639214.1 type I inositol 3,4-bisphosphate 4-phosphatase-like isoform X3
 XP_004562670.1 type I inositol 3,4-bisphosphate 4-phosphatase-like isoform X7
 XP_002168643.2 type I inositol 3,4-bisphosphate 4-phosphatase-like, partial
 NP_001032658.1 type I inositol-1,4,5-trisphosphate 5-phosphatase
 XP_005167500.1 type I inositol-3,4-bisphosphate 4-phosphatase isoform X1
 XP_005165923.1 type I inositol-3,4-bisphosphate 4-phosphatase isoform X2
 NP_001158515.1 type I interferon 4 precursor
 CCV17406.1 type I interferon e1
 NP_001002383.1 type I keratin E7
 WP_022124091.1 type I restriction enzyme
 AAG01346.1 type I serine-threonine kinase receptor
 XP_006631443.1 type II inositol 1,4,5-trisphosphate 5-phosphatase-like
 XP_005160208.1 type II inositol 3,4-bisphosphate 4-phosphatase isoform X2
 XP_006629616.1 type II inositol 3,4-bisphosphate 4-phosphatase-like
 XP_005456987.1 type II inositol 3,4-bisphosphate 4-phosphatase-like isoform X1
 XP_005726982.1 type II inositol 3,4-bisphosphate 4-phosphatase-like isoform X2
 ERE85636.1 type II inositol-1,4,5-trisphosphate 5-phosphatase-like protein
 NP_997954.2 type II iodothyronine deiodinase
 ACX69979.1 type III tyrosine kinase
 AAA37341.1 type IV collagen alpha-2, partial
 XP_004069388.1 type-1 angiotensin II receptor-associated protein-like
 NP_001013368.1 type-2 angiotensin II receptor
 NP_001187014.1 tyrosinase precursor
 XP_005720768.1 tyrosinase-like
 NP_955856.1 tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide like
 XP_005158145.1 tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide like
 isoform X2
 XP_006804021.1 tyrosine aminotransferase-like
 AHE40891.1 tyrosine hydroxylase
 XP_005474488.1 tyrosine kinase receptor Cad96Ca-like isoform X1
 NP_001073486.1 tyrosine kinase, non-receptor, 2b
 XP_005172355.1 tyrosine kinase, non-receptor, 2b isoform X1
 XP_005172105.1 tyrosine-protein kinase ABL1 isoform X4
 XP_005166948.1 tyrosine-protein kinase ABL2 isoform X3
 XP_006640998.1 tyrosine-protein kinase BAZ1B-like
 XP_006799982.1 tyrosine-protein kinase BAZ1B-like isoform X3
 NP_001025391.1 tyrosine-protein kinase Blk
 XP_005460369.1 tyrosine-protein kinase Blk-like
 XP_697087.4 tyrosine-protein kinase BTK
 XP_004073082.1 tyrosine-protein kinase BTK-like
 NP_001071067.1 tyrosine-protein kinase CSK
 XP_006628950.1 tyrosine-protein kinase CSK-like
 XP_004539785.1 tyrosine-protein kinase CSK-like isoform X1
 XP_693576.4 tyrosine-protein kinase Fer
 NP_001186798.1 tyrosine-protein kinase Fes/Fps
 XP_006629143.1 tyrosine-protein kinase Fes/Fps-like
 XP_005931096.1 tyrosine-protein kinase FRK-like isoform X1
 ETE72848.1 Tyrosine-protein kinase Fyn, partial
 XP_003442978.1 tyrosine-protein kinase fyn-like isoform X1
 NP_001025140.1 tyrosine-protein kinase fynb
 XP_006626231.1 tyrosine-protein kinase Fyn-like isoform X1
 XP_005931115.1 tyrosine-protein kinase Fyn-like isoform X3
 NP_571148.1 tyrosine-protein kinase JAK1

XP_005022970.1	tyrosine-protein kinase JAK1, partial
XP_002663133.3	tyrosine-protein kinase JAK2
XP_006627123.1	tyrosine-protein kinase JAK2-like
XP_004562090.1	tyrosine-protein kinase JAK2-like isoform X1
NP_001004543.1	tyrosine-protein kinase Lyn
XP_005163456.1	tyrosine-protein kinase Lyn isoform X1
XP_005740322.1	tyrosine-protein kinase Lyn-like
XP_006633980.1	tyrosine-protein kinase Lyn-like isoform X1
XP_006633981.1	tyrosine-protein kinase Lyn-like isoform X2
XP_002664277.3	tyrosine-protein kinase Mer
XP_001334673.5	tyrosine-protein kinase receptor Tie-1 isoform X1
XP_005166350.1	tyrosine-protein kinase receptor Tie-1 isoform X2
NP_571536.1	tyrosine-protein kinase receptor Tie-2 precursor
XP_005807995.1	tyrosine-protein kinase receptor TYRO3-like
XP_005173400.1	tyrosine-protein kinase receptor UFO-like
XP_005474878.1	tyrosine-protein kinase receptor UFO-like isoform X3
XP_006796787.1	tyrosine-protein kinase receptor UFO-like, partial
XP_003420018.1	tyrosine-protein kinase RYK-like
XP_005173910.1	tyrosine-protein kinase Sgk223-like
EFW43107.2	tyrosine-protein kinase Src42A
XP_003976154.1	tyrosine-protein kinase Srms-like
XP_003200267.1	tyrosine-protein kinase STYK1
XP_005159545.1	tyrosine-protein kinase STYK1-like
XP_005466588.1	tyrosine-protein kinase STYK1-like isoform X2
XP_006626983.1	tyrosine-protein kinase SYK-like
NP_001108215.1	tyrosine-protein kinase Tec
XP_005681649.1	tyrosine-protein kinase Tec isoform X2
XP_006629861.1	tyrosine-protein kinase Tec-like
XP_005165942.1	tyrosine-protein kinase transmembrane receptor ROR1 isoform X1
XP_696695.4	tyrosine-protein kinase transmembrane receptor ROR1 isoform X2
XP_003977306.1	tyrosine-protein kinase transmembrane receptor ROR1-like
XP_689681.6	tyrosine-protein kinase transmembrane receptor ROR2-like
XP_004654705.1	tyrosine-protein kinase Yes
XP_001363464.1	tyrosine-protein kinase Yes isoform X1
XP_003445176.1	tyrosine-protein kinase ZAP-70 isoform X1
XP_006639981.1	tyrosine-protein kinase ZAP-70-like
XP_006640340.1	tyrosine-protein phosphatase non-receptor type 11-like
XP_006633533.1	tyrosine-protein phosphatase non-receptor type 12-like
XP_002664234.3	tyrosine-protein phosphatase non-receptor type 13
XP_005161524.1	tyrosine-protein phosphatase non-receptor type 13 isoform X4
XP_005161525.1	tyrosine-protein phosphatase non-receptor type 13 isoform X5
XP_005161526.1	tyrosine-protein phosphatase non-receptor type 13 isoform X6
XP_006143339.1	tyrosine-protein phosphatase non-receptor type 13 isoform X7
XP_004074778.1	tyrosine-protein phosphatase non-receptor type 13-like
XP_004549743.1	tyrosine-protein phosphatase non-receptor type 13-like isoform X1
XP_006626115.1	tyrosine-protein phosphatase non-receptor type 14-like
NP_001013470.1	tyrosine-protein phosphatase non-receptor type 18
XP_006639541.1	tyrosine-protein phosphatase non-receptor type 1-like
XP_005169845.1	tyrosine-protein phosphatase non-receptor type 21 isoform X2
XP_005162236.1	tyrosine-protein phosphatase non-receptor type 22 isoform X1
XP_005162238.1	tyrosine-protein phosphatase non-receptor type 22 isoform X3
XP_006628557.1	tyrosine-protein phosphatase non-receptor type 22-like
XP_007066468.1	tyrosine-protein phosphatase non-receptor type 23
XP_006636029.1	tyrosine-protein phosphatase non-receptor type 2-like isoform X2
XP_005797514.1	tyrosine-protein phosphatase non-receptor type 2-like, partial
XP_687930.5	tyrosine-protein phosphatase non-receptor type 3
XP_005450480.1	tyrosine-protein phosphatase non-receptor type 4
XP_005017555.1	tyrosine-protein phosphatase non-receptor type 4 isoform X1
XP_687962.3	tyrosine-protein phosphatase non-receptor type 5
XP_006642623.1	tyrosine-protein phosphatase non-receptor type 5-like
NP_001133922.1	Tyrosine-protein phosphatase non-receptor type 6
ETE72096.1	Tyrosine-protein phosphatase non-receptor type 6, partial
XP_006642456.1	tyrosine-protein phosphatase non-receptor type 6-like
XP_690659.5	tyrosine-protein phosphatase non-receptor type 9
XP_005931772.1	tyrosine-protein phosphatase non-receptor type 9-like
XP_005731476.1	tyrosine-protein phosphatase non-receptor type 9-like isoform X1
XP_006798883.1	tyrosine-protein phosphatase non-receptor type substrate 1-like
XP_005919741.1	tyrosine-protein phosphatase vhp-1-like
NP_958473.1	tyrosine-tRNA ligase, cytoplasmic
XP_700174.2	tyrosyl-DNA phosphodiesterase 1 isoform X1
XP_006780528.1	tyrosyl-DNA phosphodiesterase 1-like
XP_005158360.1	tyrosyl-DNA phosphodiesterase 2-like
AAP88578.1	tyrosylprotein sulfotransferase-2
NP_001137392.1	tyrosyl-tRNA synthetase, mitochondrial
P55028.1	TYRP1_CARAU RecName: Full=5,6-dihydroxyindole-2-carboxylic acid oxidase; Short=DHICA oxidase; AltName: Full=Tyrosinase-related protein 1; Short=TRP-1; Short=TRP1; Flags: Precursor
NP_001017690.1	U11/U12 small nuclear ribonucleoprotein 25 kDa protein
XP_006635739.1	U11/U12 small nuclear ribonucleoprotein 48 kDa protein-like

ADO27869.1 u2 small nuclear ribonucleoprotein a'
 XP_003978874.1 U2 small nuclear ribonucleoprotein A'-like
 XP_002661394.2 U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1-like
 NP_001187499.1 u2 small nuclear ribonucleoprotein b"
 XP_005157951.1 U2 small nuclear RNA auxiliary factor 2a isoform X2
 NP_991252.1 U2 small nuclear RNA auxiliary factor 2b
 XP_005163458.1 U2 snRNP-associated SURP domain containing isoform X1
 NP_001083001.2 U2-associated SR140 protein-like
 ADO28270.1 u3 small nucleolar ribonucleoprotein protein imp3
 NP_001002719.1 U3 small nucleolar ribonucleoprotein protein IMP4
 NP_001243557.1 U3 small nucleolar RNA-associated protein 14 homolog A
 XP_005165685.1 U3 small nucleolar RNA-associated protein 14 homolog A isoform X1
 NP_955998.1 U3 small nucleolar RNA-associated protein 15 homolog
 XP_006635381.1 U3 small nucleolar RNA-associated protein 18 homolog
 NP_001104677.1 U3 small nucleolar RNA-associated protein 6 homolog
 NP_001167342.1 U4/U6 small nuclear ribonucleoprotein Prp31
 XP_006643230.1 U4/U6 small nuclear ribonucleoprotein Prp31-like
 XP_005810334.1 U4/U6 small nuclear ribonucleoprotein Prp3-like
 NP_956049.1 U4/U6 small nuclear ribonucleoprotein Prp4
 NP_001002703.1 U4/U6.U5 small nuclear ribonucleoprotein 27 kDa protein
 XP_005936818.1 U4/U6.U5 tri-snRNP-associated protein 1-like
 XP_003758708.1 U4/U6.U5 tri-snRNP-associated protein 2
 XP_004544688.1 U4/U6.U5 tri-snRNP-associated protein 2-like
 XP_006035599.1 U5 small nuclear ribonucleoprotein 200 kDa helicase
 XP_005729524.1 U5 small nuclear ribonucleoprotein 200 kDa helicase-like
 NP_001187399.1 u5 small nuclear ribonucleoprotein 40 kDa protein
 NP_001003460.1 U6 snRNA phosphodiesterase
 EMP35596.1 U6 snRNA-associated Sm-like protein LSM3
 XP_004391766.1 U6 snRNA-associated Sm-like protein LSM3-like
 XP_007116408.1 U6 snRNA-associated Sm-like protein LSM5 isoform X1
 CBN81258.1 U6 snRNA-specific terminal uridylyltransferase 1
 XP_005162121.1 U8 snoRNA-decapping enzyme isoform X1
 XP_003201242.2 U8 snoRNA-decapping enzyme-like
 XP_005802445.1 UAP56-interacting factor-like
 AAD28088.1 UbcH 7-binding protein
 AEK06333.1 UBE4B-III splice isoform III
 XP_005805847.1 ubiA prenyltransferase domain-containing protein 1-like
 XP_005165772.1 ubinuclein 2 isoform X1
 XP_005085846.1 ubinuclein-2
 XP_005468553.1 ubinuclein-2-like isoform X1
 XP_005926765.1 ubinuclein-2-like isoform X2
 NP_998521.2 ubiquilin-4
 XP_003968889.1 ubiquilin-4-like
 NP_001187248.1 ubiquinol-cytochrome C reductase complex-like
 XP_006639828.1 ubiquinol-cytochrome-c reductase complex assembly factor 1-like
 XP_006628541.1 ubiquinol-cytochrome-c reductase complex assembly factor 2-like
 NP_001038869.1 ubiquinone biosynthesis monooxygenase COQ6
 XP_006632435.1 ubiquinone biosynthesis monooxygenase COQ6-like
 NP_001108192.1 ubiquinone biosynthesis protein COQ4 homolog, mitochondrial
 NP_001076480.1 ubiquinone biosynthesis protein COQ7 homolog
 NP_001092216.1 ubiquinone biosynthesis protein COQ9, mitochondrial
 XP_003439457.1 ubiquinone biosynthesis protein COQ9, mitochondrial-like
 NP_001122227.1 ubiquitin associated and SH3 domain containing, B-like
 XP_005159453.1 ubiquitin associated protein 2-like isoform X1
 NP_955873.1 ubiquitin carboxyl-terminal hydrolase 1
 XP_685621.5 ubiquitin carboxyl-terminal hydrolase 10 isoformX1
 XP_004067366.1 ubiquitin carboxyl-terminal hydrolase 10-like
 XP_002663119.3 ubiquitin carboxyl-terminal hydrolase 11
 XP_005801971.1 ubiquitin carboxyl-terminal hydrolase 11-like
 NP_001077025.1 ubiquitin carboxyl-terminal hydrolase 12A
 XP_005166573.1 ubiquitin carboxyl-terminal hydrolase 12-like isoform X3
 NP_001091856.1 ubiquitin carboxyl-terminal hydrolase 13
 XP_004067909.1 ubiquitin carboxyl-terminal hydrolase 13-like
 NP_956267.1 ubiquitin carboxyl-terminal hydrolase 14
 XP_005451789.1 ubiquitin carboxyl-terminal hydrolase 15 isoform X4
 XP_005451791.1 ubiquitin carboxyl-terminal hydrolase 15 isoform X6
 XP_005915820.1 ubiquitin carboxyl-terminal hydrolase 15-like
 XP_004554012.1 ubiquitin carboxyl-terminal hydrolase 15-like isoform X2
 NP_001139569.1 ubiquitin carboxyl-terminal hydrolase 16
 ETE64463.1 Ubiquitin carboxyl-terminal hydrolase 19, partial
 XP_005938143.1 ubiquitin carboxyl-terminal hydrolase 19-like
 XP_005171858.1 ubiquitin carboxyl-terminal hydrolase 20 isoform X1
 XP_005171859.1 ubiquitin carboxyl-terminal hydrolase 20 isoform X2
 XP_005454608.1 ubiquitin carboxyl-terminal hydrolase 20-like isoform X1
 XP_692003.2 ubiquitin carboxyl-terminal hydrolase 21-like isoform X3
 XP_006746682.1 ubiquitin carboxyl-terminal hydrolase 22
 XP_004822807.1 ubiquitin carboxyl-terminal hydrolase 22 isoform X1
 XP_004945237.1 ubiquitin carboxyl-terminal hydrolase 22-A isoform X8
 XP_003210661.1 ubiquitin carboxyl-terminal hydrolase 22-A-like

XP_004071466.1	ubiquitin carboxyl-terminal hydrolase 22-A-like isoform 1
XP_003450164.1	ubiquitin carboxyl-terminal hydrolase 22-like
XP_005448050.1	ubiquitin carboxyl-terminal hydrolase 22-like isoform X4
XP_002665714.3	ubiquitin carboxyl-terminal hydrolase 24 isoform X1
XP_005170209.1	ubiquitin carboxyl-terminal hydrolase 24 isoform X3
XP_006635060.1	ubiquitin carboxyl-terminal hydrolase 24-like
XP_005169216.1	ubiquitin carboxyl-terminal hydrolase 25 isoform X4
XP_004076128.1	ubiquitin carboxyl-terminal hydrolase 25-like
XP_006627781.1	ubiquitin carboxyl-terminal hydrolase 25-like isoform X1
XP_005740206.1	ubiquitin carboxyl-terminal hydrolase 25-like isoform X2
XP_005936041.1	ubiquitin carboxyl-terminal hydrolase 25-like isoform X5
XP_006862920.1	ubiquitin carboxyl-terminal hydrolase 26
XP_001920096.1	ubiquitin carboxyl-terminal hydrolase 28 isoform X1
XP_005161315.1	ubiquitin carboxyl-terminal hydrolase 28 isoform X2
XP_004076881.1	ubiquitin carboxyl-terminal hydrolase 28-like
XP_003809927.1	ubiquitin carboxyl-terminal hydrolase 29
XP_005796856.1	ubiquitin carboxyl-terminal hydrolase 2-like
XP_001337596.1	ubiquitin carboxyl-terminal hydrolase 2-like isoform X1
XP_005168692.1	ubiquitin carboxyl-terminal hydrolase 2-like isoform X2
NP_001155956.1	ubiquitin carboxyl-terminal hydrolase 30
XP_005165213.1	ubiquitin carboxyl-terminal hydrolase 30 isoform X1
XP_003201670.2	ubiquitin carboxyl-terminal hydrolase 30-like
XP_005523168.1	ubiquitin carboxyl-terminal hydrolase 31
XP_692912.3	ubiquitin carboxyl-terminal hydrolase 31 isoform X3
XP_004071642.1	ubiquitin carboxyl-terminal hydrolase 31-like
XP_006276552.1	ubiquitin carboxyl-terminal hydrolase 32
XP_005157663.1	ubiquitin carboxyl-terminal hydrolase 32 isoform X1
XP_686236.6	ubiquitin carboxyl-terminal hydrolase 32 isoform X2
XP_006640964.1	ubiquitin carboxyl-terminal hydrolase 32-like
NP_998392.1	ubiquitin carboxyl-terminal hydrolase 33
XP_005729069.1	ubiquitin carboxyl-terminal hydrolase 33-like isoform X1
XP_004555288.1	ubiquitin carboxyl-terminal hydrolase 33-like isoform X2
XP_002660609.3	ubiquitin carboxyl-terminal hydrolase 34
XP_003972270.1	ubiquitin carboxyl-terminal hydrolase 34-like
ERE88214.1	ubiquitin carboxyl-terminal hydrolase 34-like protein
XP_688241.3	ubiquitin carboxyl-terminal hydrolase 36
XP_003450127.1	ubiquitin carboxyl-terminal hydrolase 36 isoform X1
XP_005744375.1	ubiquitin carboxyl-terminal hydrolase 36-like isoform X1
XP_005169174.1	ubiquitin carboxyl-terminal hydrolase 37 isoform X1
XP_003197722.1	ubiquitin carboxyl-terminal hydrolase 38
XP_001921353.3	ubiquitin carboxyl-terminal hydrolase 40
XP_005477251.1	ubiquitin carboxyl-terminal hydrolase 40 isoform X2
XP_005169519.1	ubiquitin carboxyl-terminal hydrolase 42 isoform X1
XP_006635516.1	ubiquitin carboxyl-terminal hydrolase 43-like
XP_001920291.2	ubiquitin carboxyl-terminal hydrolase 43-like isoform X1
NP_956551.1	ubiquitin carboxyl-terminal hydrolase 44
XP_003204376.1	ubiquitin carboxyl-terminal hydrolase 45-like
XP_003453548.1	ubiquitin carboxyl-terminal hydrolase 45-like isoform X1
XP_692456.3	ubiquitin carboxyl-terminal hydrolase 45-like isoform X2
XP_004590974.1	ubiquitin carboxyl-terminal hydrolase 46
XP_006167521.1	ubiquitin carboxyl-terminal hydrolase 47
XP_005467081.1	ubiquitin carboxyl-terminal hydrolase 47 isoform X2
XP_006642572.1	ubiquitin carboxyl-terminal hydrolase 47-like
XP_002667675.2	ubiquitin carboxyl-terminal hydrolase 48 isoform X1
NP_001038361.1	ubiquitin carboxyl-terminal hydrolase 49
XP_005469640.1	ubiquitin carboxyl-terminal hydrolase 49 isoform X6
XP_003441495.1	ubiquitin carboxyl-terminal hydrolase 4-like
NP_999920.2	ubiquitin carboxyl-terminal hydrolase 5
XP_001334225.2	ubiquitin carboxyl-terminal hydrolase 64E-like
XP_005164014.1	ubiquitin carboxyl-terminal hydrolase 7 isoform X1
XP_005806126.1	ubiquitin carboxyl-terminal hydrolase 7-like
XP_005989697.1	ubiquitin carboxyl-terminal hydrolase 8
XP_003969893.1	ubiquitin carboxyl-terminal hydrolase 8-like
XP_005174027.1	ubiquitin carboxyl-terminal hydrolase BAP1 isoform X1
XP_005174028.1	ubiquitin carboxyl-terminal hydrolase BAP1 isoform X2
XP_004068567.1	ubiquitin carboxyl-terminal hydrolase BAP1-like
XP_005169076.1	ubiquitin carboxyl-terminal hydrolase CYLD isoform X1
XP_684817.3	ubiquitin carboxyl-terminal hydrolase CYLD isoform X2
XP_005949370.1	ubiquitin carboxyl-terminal hydrolase CYLD-like
XP_003198851.2	ubiquitin carboxyl-terminal hydrolase CYLD-like isoform X1
NP_001019576.1	ubiquitin carboxyl-terminal hydrolase isozyme L3
XP_006639439.1	ubiquitin carboxyl-terminal hydrolase isozyme L3-like
XP_001922961.2	ubiquitin conjugation factor E4 A isoform 1
XP_005162279.1	ubiquitin conjugation factor E4 B isoform X1
NP_001188203.1	ubiquitin cross-reactive protein
EMP33456.1	Ubiquitin domain-containing protein 1
NP_001002718.1	ubiquitin domain-containing protein 2
XP_006637167.1	ubiquitin domain-containing protein UBFD1-like
NP_997794.1	ubiquitin protein ligase E3 component n-recogin 7

EDL23001.1 ubiquitin specific peptidase 14, isoform CRA_a
 XP_005156918.1 ubiquitin specific peptidase 54a isoform X1
 XP_005156922.1 ubiquitin specific peptidase 54a isoform X5
 XP_004069354.1 ubiquitin thioesterase OTU1-like
 ADO27854.1 ubiquitin thioesterase otub1
 NP_001140107.1 Ubiquitin thioesterase OTUB2
 XP_004265776.1 ubiquitin thioesterase ZRANB1 isoform 1
 NP_001071236.1 ubiquitin thioesterase zranb1-B
 XP_006784054.1 ubiquitin thioesterase ZRANB1-like
 XP_003125184.2 ubiquitin-40S ribosomal protein S27a
 XP_004077285.1 ubiquitin-40S ribosomal protein S27a-like
 XP_001923885.2 ubiquitin-associated and SH3 domain-containing protein B
 XP_003457650.1 ubiquitin-associated and SH3 domain-containing protein B-like isoform X1
 NP_001103753.2 ubiquitin-associated domain-containing protein 1
 XP_005299531.1 ubiquitin-associated domain-containing protein 1 isoform X1
 XP_004680347.1 ubiquitin-associated domain-containing protein 2
 ACN11318.1 Ubiquitin-associated domain-containing protein 2 precursor
 NP_956508.1 ubiquitin-associated protein 1
 XP_005161070.1 ubiquitin-associated protein 1 isoform X1
 XP_002667041.3 ubiquitin-associated protein 1-like
 XP_001343852.1 ubiquitin-associated protein 1-like isoform X1
 XP_005161112.1 ubiquitin-associated protein 2 isoform X2
 XP_005280637.1 ubiquitin-associated protein 2-like isoform X2
 NP_001002688.1 ubiquitin-conjugating enzyme
 EPY87276.1 ubiquitin-conjugating enzyme Cdc34-like protein
 XP_007091805.1 ubiquitin-conjugating enzyme E2 A
 XP_005410535.1 ubiquitin-conjugating enzyme E2 A, partial
 NP_001139833.1 ubiquitin-conjugating enzyme E2 B
 XP_005238917.1 ubiquitin-conjugating enzyme E2 D2 isoform X1
 NP_001096586.1 ubiquitin-conjugating enzyme E2 E1
 XP_005265490.1 ubiquitin-conjugating enzyme E2 E2 isoform X2
 XP_003965767.1 ubiquitin-conjugating enzyme E2 E2-like
 XP_005657625.1 ubiquitin-conjugating enzyme E2 E3-like
 XP_006799194.1 ubiquitin-conjugating enzyme E2 G2-like isoform X1
 NP_001083004.1 ubiquitin-conjugating enzyme E2 J2
 XP_005918606.1 ubiquitin-conjugating enzyme E2 J2-like isoform X1
 XP_002189332.2 ubiquitin-conjugating enzyme E2 K
 XP_007178865.1 ubiquitin-conjugating enzyme E2 K isoform X1
 ADO28362.1 ubiquitin-conjugating enzyme e2 I3
 XP_006018427.1 ubiquitin-conjugating enzyme E2 O
 ETE72470.1 Ubiquitin-conjugating enzyme E2 O, partial
 XP_006635269.1 ubiquitin-conjugating enzyme E2 O-like
 XP_003967753.1 ubiquitin-conjugating enzyme E2 Q2-like isoform 1
 XP_004539686.1 ubiquitin-conjugating enzyme E2 Q2-like isoform X1
 XP_004079351.1 ubiquitin-conjugating enzyme E2 R1-like
 NP_957252.1 ubiquitin-conjugating enzyme E2 R2
 NP_001020707.1 ubiquitin-conjugating enzyme E2 S
 XP_005168310.1 ubiquitin-conjugating enzyme E2 T isoform X1
 NP_001032479.1 ubiquitin-conjugating enzyme E2 variant 1
 NP_001003619.1 ubiquitin-conjugating enzyme E2 variant 3
 XP_003759755.1 ubiquitin-conjugating enzyme E2 W
 XP_006634043.1 ubiquitin-conjugating enzyme E2 W-like
 NP_001002330.2 ubiquitin-conjugating enzyme E2 Z
 NP_998695.1 ubiquitin-conjugating enzyme E2G 1
 XP_004074485.1 ubiquitin-conjugating enzyme E2Q-like protein 1-like
 NP_001003650.1 ubiquitin-fold modifier-conjugating enzyme 1
 NP_001122257.1 ubiquitin-like
 NP_998021.1 ubiquitin-like 3b
 NP_001187369.1 ubiquitin-like domain-containing ctd phosphatase 1
 XP_005162108.1 ubiquitin-like modifier activating enzyme 1 isoform X1
 XP_691141.2 ubiquitin-like modifier activating enzyme 5
 CBN80586.1 Ubiquitin-like modifier-activating enzyme 1
 XP_001341326.3 ubiquitin-like modifier-activating enzyme 1-like isoform X1
 XP_005155933.1 ubiquitin-like modifier-activating enzyme 1-like isoform X2
 CBN82023.1 Ubiquitin-like modifier-activating enzyme 5
 XP_004081152.1 ubiquitin-like modifier-activating enzyme 5-like
 XP_695755.4 ubiquitin-like modifier-activating enzyme 6-like
 XP_002758680.2 ubiquitin-like modifier-activating enzyme ATG7
 XP_006631169.1 ubiquitin-like modifier-activating enzyme ATG7-like
 NP_956594.1 ubiquitin-like protein 4A
 XP_005922725.1 ubiquitin-like protein 4A-like
 NP_001017765.1 ubiquitin-like protein 7
 XP_004550782.1 ubiquitin-like protein ATG12-like
 XP_003727885.1 ubiquitin-like-specific protease 1-like
 NP_001007319.1 ubiquitin-protein ligase E3A
 NP_001108154.1 ubiquitin-protein ligase E3B
 XP_004478506.1 ubiquitin-protein ligase E3B isoform 1
 NP_956767.1 ubiquitin-protein ligase E3C
 XP_005166483.1 ubiquitin-protein ligase E3C isoform X1

XP_006634498.1 ubiquitin-protein ligase E3C-like
 XP_005740853.1 ubl carboxyl-terminal hydrolase 18-like isoform X3
 C1BXU5.1 UBL4A_ESOLU RecName: Full=Ubiquitin-like protein 4A
 F1QFS9.1 UBP13_DANRE RecName: Full=Ubiquitin carboxyl-terminal hydrolase 13; AltName: Full=Deubiquitinating enzyme 13; AltName: Full=Ubiquitin thioesterase 13; AltName: Full=Ubiquitin-specific-processing protease 13
 A5PN09.1 UBP20_DANRE RecName: Full=Ubiquitin carboxyl-terminal hydrolase 20; AltName: Full=Deubiquitinating enzyme 20; AltName: Full=Ubiquitin thioesterase 20; AltName: Full=Ubiquitin-specific-processing protease 20
 A6H810.1 UBP22_DANRE RecName: Full=Ubiquitin carboxyl-terminal hydrolase 22; AltName: Full=Deubiquitinating enzyme 22; AltName: Full=Ubiquitin thioesterase 22; AltName: Full=Ubiquitin-specific-processing protease 22
 A5PMR2.1 UBP33_DANRE RecName: Full=Ubiquitin carboxyl-terminal hydrolase 33; AltName: Full=Deubiquitinating enzyme 33; AltName: Full=Ubiquitin thioesterase 33; AltName: Full=Ubiquitin-specific-processing protease 33
 E7F6T8.1 UBP37_DANRE RecName: Full=Ubiquitin carboxyl-terminal hydrolase 37; AltName: Full=Deubiquitinating enzyme 37; AltName: Full=Ubiquitin thioesterase 37; AltName: Full=Ubiquitin-specific-processing protease 37
 AAH55680.1 UBX domain protein 6
 XP_005174461.1 UBX domain-containing protein 1 isoform X1
 NP_001038911.1 UBX domain-containing protein 10
 NP_001167394.1 UBX domain-containing protein 2
 XP_003200800.2 UBX domain-containing protein 2A
 XP_004085017.1 UBX domain-containing protein 4-like
 NP_001154176.1 UBX domain-containing protein 6
 NP_001001951.1 UBX domain-containing protein 7
 XP_007122828.1 UBX domain-containing protein 7-like isoform X1
 NP_001170807.1 UDP glucuronosyltransferase 1 family, polypeptide B2 precursor
 ADC91944.1 UDP glucuronosyltransferase 2 family polypeptide a1 isoform 3
 NP_001177979.1 UDP glucuronosyltransferase 2 family, polypeptide A1 precursor
 NP_001018306.2 UDP glucuronosyltransferase 2 family, polypeptide A2 precursor
 NP_001170814.2 UDP glucuronosyltransferase 2 family, polypeptide A3 precursor
 NP_001074161.1 UDP glucuronosyltransferase 5 family, polypeptide B4 precursor
 XP_005173660.1 UDP glucuronosyltransferase 5 family, polypeptide F1 isoform X1
 NP_001122268.1 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase 2-like
 XP_005166767.1 UDP-galactose translocator isoform X1
 XP_005477907.1 UDP-galactose translocator-like isoform X4
 NP_001018523.1 UDP-GalNAc:beta-1,3-N-acetylgalactosaminyltransferase 2 precursor
 XP_005160201.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2a isoform X2
 XP_005161436.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2-like
 XP_005454036.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3-like
 XP_004574453.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3-like isoform X1
 XP_006637785.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7-like
 XP_005159205.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9 isoform X1
 NP_001028914.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1
 XP_006790814.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1-like
 XP_005950959.1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1-like isoform X1
 NP_001035389.1 UDP-glucose 4-epimerase
 NP_001103872.1 UDP-glucose 6-dehydrogenase
 NP_997894.1 UDP-glucose pyrophosphorylase 2
 XP_005158552.1 UDP-glucose pyrophosphorylase 2 isoform X1
 XP_005158553.1 UDP-glucose pyrophosphorylase 2 isoform X2
 NP_001139029.1 UDP-glucose pyrophosphorylase 2a
 XP_005171347.1 UDP-glucose:glycoprotein glucosyltransferase 1 isoform X1
 NP_001071002.1 UDP-glucose:glycoprotein glucosyltransferase 1 precursor
 XP_697781.3 UDP-glucose:glycoprotein glucosyltransferase 2
 NP_775349.1 UDP-glucuronic acid decarboxylase 1
 XP_004551345.1 UDP-glucuronic acid decarboxylase 1-like
 XP_004079142.1 UDP-glucuronosyltransferase 1-1-like
 XP_005947718.1 UDP-glucuronosyltransferase 2A1-like
 XP_006626697.1 UDP-glucuronosyltransferase 2A2-like
 XP_004071080.1 UDP-glucuronosyltransferase 2B13-like
 NP_001187162.1 UDP-glucuronosyltransferase precursor
 NP_001124120.1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 18a
 XP_005163053.1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 18a isoform X1
 XP_004574104.1 UDP-N-acetylglucosamine transferase subunit ALG13 homolog
 NP_001006092.1 UDP-N-acetylglucosamine transferase subunit ALG14 homolog
 NP_001116721.1 UDP-N-acetylglucosamine transporter
 XP_005663697.1 UDP-N-acetylglucosamine transporter isoform X1
 XP_004552777.1 UDP-N-acetylglucosamine transporter-like isoform X1
 EMP32379.1 UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter
 XP_003199083.2 UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter-like
 XP_005817380.1 UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter-like, partial
 NP_001082880.1 UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminophosphotransferase
 XP_005157261.1 UDP-N-acetylglucosamine-peptide N-acetylglucosaminyltransferase 110 kDa subunit isoform X2
 XP_004706828.1 UDP-N-acetylhexosamine pyrophosphorylase

XP_005166312.1 UDP-N-acetylhexosamine pyrophosphorylase isoform X1
 ETE61221.1 UDP-N-acetylhexosamine pyrophosphorylase, partial
 NP_956588.1 UDP-N-acetylhexosamine pyrophosphorylase-like protein 1
 XP_003965146.1 UDP-N-acetylhexosamine pyrophosphorylase-like protein 1-like
 XP_005168394.1 ufm1-specific protease 2 isoform X1
 ABP65284.1 ugly duckling
 E7EZF3.1 UHRF1_DANRE RecName: Full=E3 ubiquitin-protein ligase UHRF1; AltName: Full=Ubiquitin-like
 PHD and RING finger domain-containing protein 1; AltName: Full=Ubiquitin-like-containing PHD and
 RING finger domains protein 1
 XP_001921467.4 UHRF1-binding protein 1 isoform X1
 NP_001093475.1 UHRF1-binding protein 1-like
 CAA44763.1 Uhu
 NP_998274.2 UMP-CMP kinase
 XP_699055.5 UMP-CMP kinase 2, mitochondrial
 XP_006786889.1 UMP-CMP kinase-like
 AAI29252.1 Unc-119 homolog 2
 NP_001122229.1 UNC119-binding protein C5orf30 homolog
 NP_001133321.1 unc-13 homolog D
 AAY52462.1 Unc45a
 AAI63521.1 Unc-5 homolog B (C. elegans)
 NP_001124103.1 unc-51-like kinase 1a
 ABB59711.1 Unc5Da, partial
 XP_001339641.4 UNC93-like protein MFSD11-like
 XP_005477776.1 uncharacterized aarF domain-containing protein kinase 1 isoform X3
 XP_005797846.1 uncharacterized aarF domain-containing protein kinase 1-like
 XP_005938748.1 uncharacterized aarF domain-containing protein kinase 1-like isoform X1
 XP_700849.4 uncharacterized aarF domain-containing protein kinase 2-like
 XP_005451089.1 uncharacterized aarF domain-containing protein kinase 2-like isoform X1
 XP_005926630.1 uncharacterized aarF domain-containing protein kinase 4-like isoform X2
 XP_003200879.1 uncharacterized family 31 glucosidase KIAA1161-like
 XP_005919188.1 uncharacterized family 31 glucosidase KIAA1161-like isoform X2
 ADO28063.1 uncharacterized IG-like domain-containing protein c10orf72
 XP_001343641.1 uncharacterized LOC100004307
 XP_001345416.3 uncharacterized LOC100006752
 NP_001185678.1 uncharacterized LOC563012
 XP_005169912.1 uncharacterized LOC565707 isoform X1
 XP_006639998.1 uncharacterized membrane protein C19orf24-like
 XP_006637671.1 uncharacterized membrane protein C3orf80 homolog
 NP_001188124.1 uncharacterized methyltransferase wbscr22
 XP_004211307.1 uncharacterized mitochondrial protein AtMg00810-like
 XP_005160136.1 uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
 XP_003200212.2 uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02-like
 XP_005921935.1 uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02-like isoform X3
 XP_005099379.1 uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02-like, partial
 XP_006626151.1 uncharacterized transmembrane protein C1orf95 homolog
 XP_003199241.2 unconventional myosin-Ib isoform X2
 XP_006636468.1 unconventional myosin-Ib-like
 XP_005157724.1 unconventional myosin-Ic isoform X1
 XP_005165405.1 unconventional myosin-Ic isoform X2
 XP_694821.5 unconventional myosin-Ic isoform X3
 XP_688008.5 unconventional myosin-Id
 XP_006793382.1 unconventional myosin-Id-like
 XP_004556852.1 unconventional myosin-Id-like isoform X1
 XP_005168983.1 unconventional myosin-Ie isoform X1
 XP_005168984.1 unconventional myosin-Ie isoform X2
 XP_682849.4 unconventional myosin-Ie isoform X3
 XP_003970081.1 unconventional myosin-Ie-like
 XP_004543149.1 unconventional myosin-Ie-like isoform X3
 XP_004378663.1 unconventional myosin-If
 XP_005451917.1 unconventional myosin-If isoform X1
 XP_006639979.1 unconventional myosin-If-like
 XP_005802917.1 unconventional myosin-Ig-like
 XP_684539.5 unconventional myosin-Ih
 XP_004611883.1 unconventional myosin-IXa
 XP_001924043.3 unconventional myosin-IXa isoform X1
 XP_005166637.1 unconventional myosin-IXa isoform X2
 XP_006628993.1 unconventional myosin-IXa-like
 XP_005931738.1 unconventional myosin-IXa-like isoform X14
 XP_005731500.1 unconventional myosin-IXa-like isoform X2
 XP_002666214.3 unconventional myosin-IXb
 XP_005171392.1 unconventional myosin-IXb isoform X2
 XP_689446.4 unconventional myosin-IXb isoform X3
 XP_004698178.1 unconventional myosin-IXb, partial
 XP_005729188.1 unconventional myosin-IXb-like isoform X2
 XP_001921844.3 unconventional myosin-Va
 XP_005173731.1 unconventional myosin-Va isoform X1
 XP_005173732.1 unconventional myosin-Va isoform X2
 XP_005173733.1 unconventional myosin-Va isoform X3
 XP_006628770.1 unconventional myosin-Va-like

XP_005170598.1	unconventional myosin-Vb
XP_003200915.2	unconventional myosin-Vb-like isoform X1
XP_005478748.1	unconventional myosin-Vb-like isoform X2
XP_005748471.1	unconventional myosin-Vb-like isoform X4
XP_691143.2	unconventional myosin-Vc
XP_006002474.1	unconventional myosin-VI
XP_004683761.1	unconventional myosin-VIIa
XP_001921522.2	unconventional myosin-VIIa-like
XP_006627875.1	unconventional myosin-VIIa-like isoform X1
XP_005916119.1	unconventional myosin-VIIa-like isoform X3
XP_005166014.1	unconventional myosin-VIIb-like
XP_006793535.1	unconventional myosin-VI-like isoform X1
XP_006793536.1	unconventional myosin-VI-like isoform X2
XP_006793537.1	unconventional myosin-VI-like isoform X3
XP_006874499.1	unconventional myosin-X
XP_005171458.1	unconventional myosin-X isoform X1
XP_001920083.4	unconventional myosin-XIX-like
XP_005171791.1	unconventional myosin-XIX-like, partial
XP_001254575.2	unconventional myosin-X-like
XP_001919593.4	unconventional myosin-XV
XP_005457921.1	unconventional myosin-XVI
XP_001920958.3	unconventional myosin-XVI isoform X1
XP_005167486.1	unconventional myosin-XVI isoform X2
XP_005169242.1	unconventional myosin-XVIIIa isoform X1
XP_695256.4	unconventional myosin-XVIIIa isoform X2
XP_005157668.1	unconventional myosin-XVIIIa isoform X4
XP_005157670.1	unconventional myosin-XVIIIa isoform X6
XP_005157673.1	unconventional myosin-XVIIIa isoform X9
XP_006640953.1	unconventional myosin-XVIIIa-like
XP_003938535.1	unconventional myosin-XVIIIb
XP_005449517.1	unconventional myosin-XVIIIb isoform X1
XP_005929098.1	unconventional myosin-XVIIIb-like
XP_005739184.1	unconventional myosin-XVIIIb-like isoform X1
XP_003199443.2	unconventional myosin-XVIIIb-like, partial
XP_005170941.1	unconventional myosin-XV-like
NP_001025316.1	unconventional prefoldin RPB5 interactor
NP_001120491.1	unconventional SNARE in the ER 1 homolog
AAS10175.2	uncoupling protein 1
AAAX73253.1	Uncx4.1
NP_998099.1	unique cartilage matrix-associated protein precursor
XP_004552069.1	UPF0061 protein azo1574-like
NP_001188072.1	upf0172 protein fam158a
XP_001333295.3	UPF0193 protein EVG1 homolog isoform X1
NP_001158638.1	UPF0235 protein C15orf40
XP_002667438.1	UPF0258 protein KIAA1024-like
XP_005472397.1	UPF0258 protein KIAA1024-like isoform X2
ADO28366.1	upf0308 protein c9orf21-like protein
NP_001188095.1	upf0327 protein c1orf151
NP_001158709.1	UPF0360 protein C11orf60 homolog
NP_001014353.1	UPF0364 protein C6orf211 homolog
NP_001188166.1	upf0366 protein c11orf67-like protein
XP_005932099.1	UPF0378 protein KIAA0100-like isoform X1
XP_004558243.1	UPF0378 protein KIAA0100-like isoform X4
XP_004558244.1	UPF0378 protein KIAA0100-like isoform X5
XP_005815916.1	UPF0378 protein KIAA0100-like, partial
NP_001187563.1	upf0389 protein fam162b
NP_001187456.1	upf0405 protein c3orf75-like protein
ACI67503.1	UPF0414 transmembrane protein C20orf30 homolog
NP_001188155.1	upf0449 protein c19orf25-like protein
XP_003207271.1	UPF0452 protein C7orf41 homolog
XP_005169691.1	UPF0461 protein C5orf24 homolog
ADO28248.1	upf0462 protein c4orf33-like protein
XP_003964332.1	UPF0466 protein C22orf32, mitochondrial-like
XP_006128160.1	UPF0468 protein C16orf80 homolog
XP_005798874.1	UPF0469 protein KIAA0907 homolog
XP_005169831.1	UPF0469 protein KIAA0907 homolog isoform X1
NP_955896.2	UPF0472 protein C16orf72 homolog
NP_001187719.1	upf0485 protein c1orf144-like protein
XP_005803340.1	UPF0488 protein C8orf33 homolog
NP_956625.1	UPF0489 protein C5orf22 homolog
NP_001188061.1	upf0490 protein c1orf201-like protein
XP_005173852.1	UPF0500 protein C1orf216 homolog
NP_001091651.1	UPF0505 protein C16orf62 homolog
XP_006631635.1	UPF0515 protein C19orf66 homolog
XP_005170745.1	UPF0532 protein C7orf60 homolog isoform X1
NP_001187397.1	upf0533 protein c5orf44-like protein
ADO28369.1	upf0534 protein c4orf43-like protein
NP_001025261.3	UPF0536 protein C12orf66 homolog
ADO28254.1	upf0545 protein c22orf39-like protein

XP_005318199.1	UPF0547 protein C16orf87 homolog
XP_004068756.1	UPF0549 protein C20orf43 homolog
NP_001188144.1	upf0552 protein c15orf38-like protein
NP_001187367.1	upf0553 protein c9orf64-like protein
XP_003975009.1	UPF0561 protein C2orf68 homolog
XP_005810956.1	UPF0562 protein C7orf55 homolog
NP_001187461.1	upf0562 protein c7orf55-like protein
NP_001187769.1	upf0568 protein c14orf166-like protein
XP_001923843.2	UPF0573 protein C2orf70 homolog A-like
XP_006631617.1	UPF0575 protein C19orf67 homolog
XP_696051.2	UPF0577 protein KIAA1324
XP_006633828.1	UPF0577 protein KIAA1324-like
XP_006192278.1	UPF0577 protein KIAA1324-like homolog isoform X2
XP_005170775.1	UPF0583 protein C15orf59 homolog
XP_005807160.1	UPF0583 protein C15orf59 homolog isoform X1
XP_006627048.1	UPF0586 protein C9orf41-like
NP_001121701.1	UPF0600 protein C5orf51 homolog
NP_001187989.1	upf0602 protein c4orf47-like protein
XP_003198292.2	UPF0606 protein KIAA1549
XP_005159051.1	UPF0606 protein KIAA1549 isoform X1
XP_684863.4	UPF0606 protein KIAA1549 isoform X2
XP_005159233.1	UPF0606 protein KIAA1549L
XP_006804852.1	UPF0606 protein KIAA1549L-like
XP_005174416.1	UPF0606 protein KIAA1549L-like isoform X1
XP_005174417.1	UPF0606 protein KIAA1549L-like isoform X2
XP_694960.6	UPF0606 protein KIAA1549L-like isoform X3
NP_001188097.1	upf0609 protein c4orf27-like protein
XP_001920115.2	UPF0661 TPR repeat-containing protein C16D10.01c isoform X1
XP_005158131.1	UPF0661 TPR repeat-containing protein C16D10.01c isoform X2
XP_006636207.1	UPF0661 TPR repeat-containing protein C16D10.01c-like
NP_956913.2	UPF0668 protein C10orf76 homolog
ADO28059.1	upf0669 protein c6orf120-like protein
XP_689433.5	UPF0687 protein C20orf27 homolog
XP_005805191.1	UPF0690 protein C1orf52 homolog
XP_003968463.1	UPF0692 protein C19orf54 homolog
XP_004084387.1	UPF0693 protein C10orf32 homolog
XP_006626211.1	UPF0704 protein C6orf165 homolog
NP_001188052.1	upf0705 protein c11orf49-like protein
NP_001070748.1	UPF0711 protein C18orf21 homolog
NP_001093491.2	UPF0722 protein C11orf88 homolog
NP_001189365.1	UPF0723 protein C11orf83 homolog precursor
XP_003223313.1	UPF0728 protein C10orf53 homolog
XP_006627263.1	UPF0729 protein C18orf32 homolog
XP_003200769.1	UPF0732 protein C1orf227 homolog
NP_001187823.1	upf0739 protein c1orf74-like protein
NP_956382.1	UPF0769 protein C21orf59 homolog
AFY11222.1	upstream binding transcription factor 1
XP_004483361.1	upstream stimulatory factor 2
XP_005736113.1	upstream stimulatory factor 2-like isoform X3
XP_005159784.1	upstream-binding protein 1 isoform X2
XP_006635692.1	upstream-binding protein 1-like
XP_001341296.1	uracil nucleotide/cysteinyl leukotriene receptor-like
XP_004647377.1	uracil phosphoribosyltransferase homolog
XP_699968.1	uracil-DNA glycosylase
XP_006015207.1	uracil-DNA glycosylase isoform X1
XP_001921059.1	urea transporter 2-like
XP_003460017.1	urea transporter 2-like isoform X1
ADO28160.1	uricase
NP_956468.2	uridine 5'-monophosphate synthase
NP_001038353.1	uridine diphosphate glucose pyrophosphatase
ADO28042.1	uridine phosphorylase 1
NP_001004666.1	uridine-cytidine kinase 1
ACM08303.1	Uridine-cytidine kinase 2
EMP37913.1	Uridine-cytidine kinase-like 1
XP_006639591.1	uridine-cytidine kinase-like 1-like
XP_006796397.1	uridine-cytidine kinase-like 1-like isoform X1
XP_004937023.1	uro-adherence factor A isoform X7
XP_001377036.1	urocanate hydratase
NP_001128601.1	urocanate hydratase 1
XP_004068534.1	urocanate hydratase-like
NP_001121991.1	urocortin 2 precursor
NP_001076423.1	urocortin-3 precursor
XP_004555963.1	urokinase-type plasminogen activator-like
XP_696200.4	uromodulin-like 1
NP_001027901.1	uronyl 2-sulfotransferase
XP_005809632.1	uronyl 2-sulfotransferase-like
XP_005454724.1	uronyl 2-sulfotransferase-like isoform X2
NP_001093533.1	uropalakin 3b precursor
NP_001035332.1	uropalakin-1a

XP_006642299.1 uroplakin-2-like
 ADO27991.1 uroporphyrinogen decarboxylase
 ACM08595.1 Uroporphyrinogen-III synthase
 BAC75661.1 urotensin I
 XP_005172122.1 urotensin-2 receptor-like
 XP_005155764.1 Usher syndrome type-1C protein-binding protein 1-like isoform X2
 XP_005155765.1 Usher syndrome type-1C protein-binding protein 1-like isoform X3
 XP_004071452.1 Usher syndrome type-1G protein homolog
 XP_685232.4 Usher syndrome type-1G protein homolog, partial
 XP_002661315.1 Usher syndrome type-1G protein-like
 XP_693491.5 usherin
 XP_006625851.1 usherin-like
 XP_005164935.1 USP6 N-terminal like isoform X2
 NP_001124071.1 USP6 N-terminal-like protein
 XP_006633361.1 USP6 N-terminal-like protein-like
 AAH44444.1 UTP6, small subunit (SSU) processome component, homolog (yeast)
 XP_004065721.1 UTP--glucose-1-phosphate uridylyltransferase-like
 XP_005161957.1 utrophin
 ABH06980.1 utrophin isoform G
 XP_005158665.1 utrophin-like
 P04560.1 UTS2A_CYPCA RecName: Full=Prepro-urotensin II-alpha; Contains: RecName: Full=Urophysin
 alpha; Contains: RecName: Full=Urotensin II-alpha; Short=U-II-alpha; Short=UII-alpha; Flags:
 Precursor
 XP_004569422.1 UV excision repair protein RAD23 homolog A-like
 NP_956858.1 UV excision repair protein RAD23 homolog B
 XP_006640058.1 UV excision repair protein RAD23 homolog B-like
 XP_003459027.1 UV radiation resistance-associated gene protein
 XP_005926847.1 UV radiation resistance-associated gene protein-like
 XP_005159211.1 uveal autoantigen with coiled-coil domains and ankyrin repeats
 XP_002662887.1 uveal autoantigen with coiled-coil domains and ankyrin repeats protein isoform X1
 XP_005169009.1 uveal autoantigen with coiled-coil domains and ankyrin repeats protein isoform X2
 XP_698272.2 UV-stimulated scaffold protein A isoform X2
 ACO09025.1 UXT
 AAI63066.1 V2rx1 protein
 ACO10108.1 Vacuolar ATP synthase subunit F
 XP_001922185.1 vacuolar fusion protein MON1 homolog B
 XP_005724646.1 vacuolar fusion protein MON1 homolog B-like
 XP_006625947.1 vacuolar protein 8-like
 XP_005477382.1 vacuolar protein 8-like isoform X1
 NP_001112365.1 vacuolar protein sorting 13 homolog A
 XP_005167391.1 vacuolar protein sorting 13 homolog A isoform X1
 XP_005167392.1 vacuolar protein sorting 13 homolog A isoform X2
 NP_001093443.1 vacuolar protein sorting 33A
 AAH63954.1 Vacuolar protein sorting 37A
 AAH12691.1 Vacuolar protein sorting 45 (yeast)
 ABQ59678.1 vacuolar protein sorting 52
 NP_001007459.2 vacuolar protein sorting 53 homolog
 NP_001032797.1 vacuolar protein sorting-associated protein 11 homolog
 XP_003974862.1 vacuolar protein sorting-associated protein 13A-like
 XP_004402412.1 vacuolar protein sorting-associated protein 13B isoform 2
 XP_003965916.1 vacuolar protein sorting-associated protein 13B-like
 XP_004317673.1 vacuolar protein sorting-associated protein 13B-like, partial
 XP_001922767.3 vacuolar protein sorting-associated protein 13C
 XP_005447821.1 vacuolar protein sorting-associated protein 13C-like
 XP_001919988.4 vacuolar protein sorting-associated protein 13D
 XP_006636484.1 vacuolar protein sorting-associated protein 16 homolog
 XP_003442353.2 vacuolar protein sorting-associated protein 26A-like
 XP_005690416.1 vacuolar protein sorting-associated protein 26B
 NP_001188246.1 vacuolar protein sorting-associated protein 26b-like
 NP_956884.1 vacuolar protein sorting-associated protein 28 homolog
 XP_003962909.1 vacuolar protein sorting-associated protein 29-like
 XP_005804403.1 vacuolar protein sorting-associated protein 33A-like
 NP_001014370.1 vacuolar protein sorting-associated protein 33B
 XP_004566407.1 vacuolar protein sorting-associated protein 33B-like
 XP_005937985.1 vacuolar protein sorting-associated protein 33B-like isoform X1
 EGW02015.1 Vacuolar protein sorting-associated protein 35
 XP_006804250.1 vacuolar protein sorting-associated protein 35-like
 XP_005949872.1 vacuolar protein sorting-associated protein 35-like isoform X1
 XP_004539223.1 vacuolar protein sorting-associated protein 37A-like isoform X1
 XP_004085254.1 vacuolar protein sorting-associated protein 37A-like, partial
 NP_001167155.1 Vacuolar protein sorting-associated protein 37B
 XP_003448654.1 vacuolar protein sorting-associated protein 37B-like
 NP_001071253.1 vacuolar protein sorting-associated protein 37C
 XP_005172073.1 vacuolar protein sorting-associated protein 37D-like
 XP_691671.2 vacuolar protein sorting-associated protein 41 homolog
 XP_006795068.1 vacuolar protein sorting-associated protein 41 homolog isoform X1
 NP_001243585.1 vacuolar protein sorting-associated protein 45
 XP_005945028.1 vacuolar protein sorting-associated protein 45-like
 XP_003758579.1 vacuolar protein sorting-associated protein 4A

XP_006790595.1 vacuolar protein sorting-associated protein 4B-like
 XP_006799509.1 vacuolar protein sorting-associated protein 51 homolog
 XP_004574898.1 vacuolar protein sorting-associated protein 52 homolog
 XP_005159586.1 vacuolar protein sorting-associated protein 52 homolog isoform X3
 NP_001124248.1 vacuolar protein sorting-associated protein 54
 XP_004065822.1 vacuolar protein sorting-associated protein 54-like
 XP_003968978.1 vacuolar protein sorting-associated protein 72 homolog
 XP_001942827.2 vacuolar protein sorting-associated protein 8 homolog
 XP_005160016.1 vacuolar protein sorting-associated protein 8 homolog isoform X1
 XP_005160017.1 vacuolar protein sorting-associated protein 8 homolog isoform X2
 XP_004442148.1 vacuolar protein sorting-associated protein VTA1 homolog isoform 2
 XP_006643025.1 vacuolar protein sorting-associated protein VTA1 homolog isoform X2
 NP_001082831.2 vacuolar protein-sorting-associated protein 25
 NP_956271.1 vacuolar protein-sorting-associated protein 36
 XP_004499587.1 vacuolar-processing enzyme gamma-isozyme-like
 NP_996943.1 vacuole membrane protein 1
 XP_005157470.1 vacuole membrane protein 1 isoform X1
 XP_005463066.1 vacuole membrane protein 1-like isoform X2
 XP_682807.5 valine--tRNA ligase
 XP_003977750.1 valine--tRNA ligase, mitochondrial-like
 NP_001124133.1 valyl-tRNA synthetase, mitochondrial
 XP_006798885.1 vam6/Vps39-like protein-like
 NP_991313.1 vang-like protein 1
 XP_004066609.1 vang-like protein 1-like
 XP_004573321.1 vang-like protein 1-like isoform X3
 NP_705960.1 vang-like protein 2
 AAH90426.1 Vars protein, partial
 XP_005161771.1 vascular cell adhesion protein 1 isoform X1
 NP_001077304.1 vascular cell adhesion protein 1 precursor
 XP_003442261.2 vascular cell adhesion protein 1-like
 ABA86562.1 vascular endothelial growth factor 130
 NP_001274040.1 vascular endothelial growth factor A isoform 9
 XP_005164574.1 vascular endothelial growth factor A isoform X1
 XP_006786183.1 vascular endothelial growth factor A-like
 XP_005157219.1 vascular endothelial growth factor A-like isoform X1
 XP_005160055.1 vascular endothelial growth factor C isoform X1
 NP_991297.1 vascular endothelial growth factor C precursor
 NP_001134108.1 Vascular endothelial growth factor D precursor
 XP_005157247.1 vascular endothelial growth factor receptor 3 isoform X1
 XP_006632127.1 vascular endothelial growth factor receptor 3-like
 XP_005913322.1 vascular endothelial growth factor receptor kdr-like
 XP_005169243.1 vascular endothelial zinc finger 1 isoform X1
 NP_001073432.1 vascular endothelial zinc finger 1b
 NP_001013371.1 vasoactive intestinal peptide receptor 1b
 XP_005162755.1 vasoactive intestinal peptide receptor 1b isoform X1
 XP_002660843.2 vasoactive intestinal polypeptide receptor
 NP_571854.1 vasoactive intestinal polypeptide receptor 2 precursor
 XP_005796680.1 vasoactive intestinal polypeptide receptor 2-like
 NP_001103922.1 vasodilator-stimulated phosphoprotein
 XP_005720673.1 vasodilator-stimulated phosphoprotein-like isoform X2
 XP_003962663.1 vasohibin-1-like
 XP_001346005.5 vasopressin V2 receptor
 XP_001922042.4 vasopressin V2 receptor-like
 XP_005157469.1 Vasopressin-activated calcium-mobilizing receptor (VACM-1) isoform X1
 XP_005174101.1 vasorin
 NP_001104232.1 vasorin b precursor
 AFO70133.1 vasotocin neurophysin
 AGZ94837.1 vasotocin receptor V1a1
 AAK17004.1 vasotocin receptor V1-alpha
 AAS37669.1 VAT-1
 AA152644.1 Vat1 protein
 Q8JFV8.1 VAT1_DANRE RecName: Full=Synaptic vesicle membrane protein VAT-1 homolog
 Q801E0.1 VAX1_DANRE RecName: Full=Ventral anterior homeobox 1
 AAH92958.1 Vcl protein
 NP_001006107.1 v-crk avian sarcoma virus CT10 oncogene homolog
 AAY85288.1 VDR-B
 XP_005800525.1 venom factor-like
 XP_006938276.1 ventral anterior homeobox 1
 NP_919390.1 ventral anterior homeobox 2
 XP_005062420.1 ventral anterior homeobox 2a-like, partial
 NP_571775.1 ventral expressed homeobox
 NP_997996.1 ventricular zone-expressed PH domain-containing protein
 XP_006123531.1 ventricular zone-expressed PH domain-containing protein homolog 1 isoform X5
 XP_005159276.1 ventricular zone-expressed PH domain-containing protein isoform X1
 ETE61592.1 Ventricular zone-expressed PH domain-containing protein-like 1, partial
 XP_001922696.2 verrucotoxin subunit beta isoform X1
 XP_002662132.3 versican core protein
 NP_001103750.1 vertebrate ancient long opsin
 ACP43588.1 vertebrate ancient opsin

NP_001008639.1 very long-chain acyl-CoA synthetase
 XP_005949067.1 very long-chain acyl-CoA synthetase-like
 XP_003967760.1 very long-chain acyl-CoA synthetase-like isoform 2
 XP_004562797.1 very long-chain specific acyl-CoA dehydrogenase, mitochondrial-like isoform X1
 AEA03491.1 very low density lipoprotein receptor
 XP_005155618.1 very low-density lipoprotein receptor isoform X1
 XP_006265918.1 very-long-chain (3R)-3-hydroxyacyl-acyl-carrier protein dehydratase 1
 XP_699783.2 very-long-chain (3R)-3-hydroxyacyl-acyl-carrier protein dehydratase 1 isoformX2
 XP_003439278.1 very-long-chain (3R)-3-hydroxyacyl-acyl-carrier protein dehydratase 1-like isoform X1
 XP_006628793.1 very-long-chain (3R)-3-hydroxyacyl-acyl-carrier protein dehydratase-like
 XP_001921351.1 very-long-chain enoyl-CoA reductase
 XP_005745440.1 very-long-chain enoyl-CoA reductase-like
 XP_004539148.1 very-long-chain enoyl-CoA reductase-like isoform X1
 ACO08392.1 Vesicle transport protein GOT1B
 ETE62149.1 Vesicle transport protein GOT1B, partial
 NP_001158679.1 Vesicle transport protein SEC20
 XP_689248.3 vesicle transport protein SEC20 isoformX1
 NP_001139861.1 Vesicle transport protein SFT2A
 XP_006637994.1 vesicle transport protein SFT2B-like
 XP_003974225.1 vesicle transport protein USE1-like
 NP_001030152.1 vesicle transport through interaction with t-SNAREs homolog 1A
 XP_006798668.1 vesicle transport through interaction with t-SNAREs homolog 1B-like
 NP_956299.1 vesicle-associated membrane protein 2
 XP_005160486.1 vesicle-associated membrane protein 4 isoform X1
 NP_001154098.1 vesicle-associated membrane protein 5-like
 NP_001187301.1 vesicle-associated membrane protein 7
 XP_006262923.1 vesicle-associated membrane protein-associated protein A isoform X1
 XP_004482406.1 vesicle-associated membrane protein-associated protein B/C isoform 1
 XP_004630207.1 vesicle-fusing ATPase
 XP_005164054.1 vesicle-fusing ATPase isoform X1
 XP_006805201.1 vesicle-fusing ATPase-like
 XP_005811865.1 vesicle-fusing ATPase-like isoform X1
 ADO28379.1 vesicle-trafficking protein sec22a
 XP_707343.1 vesicle-trafficking protein SEC22c isoform 2
 NP_001092225.1 vesicular glutamate transporter 1
 XP_004067080.1 vesicular glutamate transporter 2.1-like isoform 1
 NP_001009982.1 vesicular glutamate transporter 2.2
 XP_006642790.1 vesicular glutamate transporter 2.2-like
 ACG50690.1 vesicular glutamate transporter 3
 NP_001074170.1 vesicular inhibitory amino acid transporter
 XP_003211998.1 vesicular inhibitory amino acid transporter-like
 NP_001028267.1 vestigial like 2b
 XP_005164850.1 vezatin isoform X2
 XP_004904163.1 vezatin isoform X5

 VGFR2_DANRE RecName: Full=Vascular endothelial growth factor receptor 2; Short=VEGFR-2;
 AltName: Full=Fetal liver kinase 1b; Short=FLK-1b; AltName: Full=Kinase insert domain receptor;
 AltName: Full=Kinase insert domain receptor-B; AltName: Full=Protein-tyrosine kinase receptor flk-
 1b; AltName: Full=Vascular endothelial growth factor receptor 2 homolog B; Short=VEGFR-2
 homolog B; Flags: Precursor
 Q5GIT4.2

 ACX35602.1 VHSV-induced protein
 ACX35594.1 VHSV-inducible protein
 XP_683005.3 vigilin isoform 2
 XP_006627543.1 vigilin-like
 NP_956532.1 villin-1
 XP_005167977.1 villin-1 isoform X1
 XP_005162780.1 villin-1-like isoform X1
 XP_004546807.1 villin-1-like isoform X3
 XP_003257598.2 vimentin
 XP_003200663.1 vimentin isoform X1
 XP_001338547.2 vimentin-like
 XP_699560.1 vimentin-type intermediate filament-associated coiled-coil protein-like
 CBN81495.1 Vinculin
 NP_001122153.1 vinculin a
 XP_005156898.1 vinculin isoform X2
 XP_005156899.1 vinculin isoform X3
 AGW00627.1 vinculin-b, partial
 XP_006014562.1 vinculin-like
 XP_003961232.1 vinculin-like isoform 2
 XP_004077232.1 vinculin-like isoform 4
 XP_004331643.1 vinculin-like, partial
 XP_005162527.1 vinexin isoform X6
 XP_005157120.1 VIP peptides isoform X1
 NP_001108027.1 VIP peptides precursor
 ACO13933.1 VIP36-like protein precursor
 XP_005930129.1 VIP36-like protein-like isoform X2
 Q90308.1 VIPR_CARAU RecName: Full=Vasoactive intestinal polypeptide receptor; Short=VIP receptor;
 Short=VIP-R
 NP_078656.1 Virion assembly protein, NTPase
 XP_005809422.1 visinin-like protein 1-like

NP_001004654.1	visual pigment-like receptor peropsin
XP_005158720.1	visual system homeobox 1 isoform X1
XP_691824.2	vitamin D 25-hydroxylase
NP_001117029.2	vitamin D receptor
CAH04518.2	vitamin D receptor I
XP_005423238.1	vitamin D3 hydroxylase-associated protein-like
XP_006629307.1	vitamin D3 receptor A-like
NP_001153457.1	vitamin D3 receptor B
NP_001002568.1	vitamin D-binding protein precursor
NP_001187687.1	vitamin k epoxide reductase complex subunit 1-like protein 1
XP_003199339.2	vitamin K-dependent gamma-carboxylase
XP_004078808.1	vitamin K-dependent protein C-like
XP_003969946.1	vitamin K-dependent protein S-like
XP_005466935.1	vitamin K-dependent protein S-like isoform X2
ADO28351.1	vitelline membrane outer layer protein 1
XP_003965780.1	vitelline membrane outer layer protein 1 homolog
ACO09684.1	Vitelline membrane outer layer protein 1 homolog precursor
ADO28775.1	vitelline membrane outer layer protein 1-like protein
AAV48826.1	vitellogenin
AAK58480.1	vitellogenin 1
AAZ17417.1	vitellogenin C
NP_001117847.1	vitellogenin receptor precursor
AFL46327.1	vitellogenin, partial
XP_005156538.1	vitrin isoform X2
XP_005156539.1	vitrin isoform X3
XP_005474003.1	vitrin isoform X5
XP_006638778.1	vitrin-like, partial
NP_001018508.1	vitronectin a precursor
NP_001117903.1	vitronectin protein 1 precursor
AAI62327.1	V-mos Moloney murine sarcoma viral oncogene homolog
ACO09003.1	Voltage-dependent anion-selective channel protein 2
XP_003223172.1	voltage-dependent anion-selective channel protein 2 isoform X2
ABD34797.1	voltage-dependent calcium channel beta 3b subunit
ABD34798.1	voltage-dependent calcium channel beta 4a subunit
XP_699850.2	voltage-dependent calcium channel gamma-1 subunit-like
NP_956935.1	voltage-dependent calcium channel gamma-2 subunit
XP_005302486.1	voltage-dependent calcium channel gamma-2 subunit isoform X4
XP_003459390.1	voltage-dependent calcium channel gamma-2 subunit-like
XP_693299.1	voltage-dependent calcium channel gamma-3 subunit-like
XP_006092528.1	voltage-dependent calcium channel gamma-4 subunit
XP_001338022.1	voltage-dependent calcium channel gamma-4 subunit-like
XP_003458356.1	voltage-dependent calcium channel gamma-4 subunit-like isoform X1
XP_006635278.1	voltage-dependent calcium channel gamma-5 subunit-like
XP_001337872.1	voltage-dependent calcium channel gamma-5 subunit-like isoform X1
XP_001342833.1	voltage-dependent calcium channel gamma-6 subunit-like
XP_001342879.2	voltage-dependent calcium channel gamma-7 subunit
XP_001342922.4	voltage-dependent calcium channel gamma-8 subunit-like isoform X1
NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
XP_005159082.1	voltage-dependent calcium channel subunit alpha-2/delta-1-like
XP_006132811.1	voltage-dependent calcium channel subunit alpha-2/delta-2
XP_005155940.1	voltage-dependent calcium channel subunit alpha-2/delta-2-like
XP_005174033.1	voltage-dependent calcium channel subunit alpha-2/delta-2-like isoform X2
XP_005453549.1	voltage-dependent calcium channel subunit alpha-2/delta-2-like isoform X3
XP_005172980.1	voltage-dependent calcium channel subunit alpha-2/delta-3 isoform X2
XP_005172981.1	voltage-dependent calcium channel subunit alpha-2/delta-3 isoform X3
XP_006785897.1	voltage-dependent calcium channel subunit alpha-2/delta-3-like
XP_005813783.1	voltage-dependent calcium channel subunit alpha-2/delta-3-like, partial
XP_001920592.4	voltage-dependent calcium channel subunit alpha-2/delta-4
XP_005451779.1	voltage-dependent L-type calcium channel subunit alpha-1C
XP_002822807.1	voltage-dependent L-type calcium channel subunit alpha-1C isoform 15
XP_005164899.1	voltage-dependent L-type calcium channel subunit alpha-1C isoform X1
XP_005164900.1	voltage-dependent L-type calcium channel subunit alpha-1C isoform X2
XP_004548292.1	voltage-dependent L-type calcium channel subunit alpha-1C-like
XP_007056587.1	voltage-dependent L-type calcium channel subunit alpha-1C-like, partial
NP_982351.1	voltage-dependent L-type calcium channel subunit alpha-1D
ERE89930.1	voltage-dependent L-type calcium channel subunit alpha-1D isoform 3
XP_007068268.1	voltage-dependent L-type calcium channel subunit alpha-1D isoform X1
XP_005293263.1	voltage-dependent L-type calcium channel subunit alpha-1D isoform X21
XP_006631110.1	voltage-dependent L-type calcium channel subunit alpha-1D-like
XP_005937896.1	voltage-dependent L-type calcium channel subunit alpha-1D-like isoform X1
XP_006783411.1	voltage-dependent L-type calcium channel subunit alpha-1D-like isoform X4
XP_005816941.1	voltage-dependent L-type calcium channel subunit alpha-1D-like, partial
XP_003199134.2	voltage-dependent L-type calcium channel subunit alpha-1F
XP_005282445.1	voltage-dependent L-type calcium channel subunit alpha-1F-like
XP_005988501.1	voltage-dependent L-type calcium channel subunit alpha-1S
XP_005163864.1	voltage-dependent L-type calcium channel subunit beta-1 isoform X1
XP_004552412.1	voltage-dependent L-type calcium channel subunit beta-1-like isoform X3
XP_007058523.1	voltage-dependent L-type calcium channel subunit beta-2 isoform X3
XP_004543017.1	voltage-dependent L-type calcium channel subunit beta-2-like isoform X1

XP_005950061.1 voltage-dependent L-type calcium channel subunit beta-2-like isoform X2
EHB09238.1 Voltage-dependent L-type calcium channel subunit beta-4
XP_005167894.1 voltage-dependent L-type calcium channel subunit beta-4 isoform X1
XP_002665969.2 voltage-dependent N-type calcium channel subunit alpha-1B
XP_005171928.1 voltage-dependent N-type calcium channel subunit alpha-1B isoform X1
XP_005911537.1 voltage-dependent N-type calcium channel subunit alpha-1B-like
XP_006803558.1 voltage-dependent N-type calcium channel subunit alpha-1B-like isoform X6
ERE70631.1 voltage-dependent N-type calcium channel subunit alpha-1B-like protein
XP_698014.6 voltage-dependent P/Q-type calcium channel subunit alpha-1A
XP_005164144.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A isoform X1
XP_005164147.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A isoform X4
XP_006631609.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A-like
XP_005946523.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A-like isoform X2
XP_005946524.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A-like isoform X3
XP_005233861.1 voltage-dependent P/Q-type calcium channel subunit alpha-1A-like, partial
XP_001920777.3 voltage-dependent R-type calcium channel subunit alpha-1E
XP_001919393.4 voltage-dependent R-type calcium channel subunit alpha-1E isoform X1
XP_005163711.1 voltage-dependent R-type calcium channel subunit alpha-1E isoform X2
XP_006635319.1 voltage-dependent R-type calcium channel subunit alpha-1E-like
XP_004555143.1 voltage-dependent R-type calcium channel subunit alpha-1E-like isoform X1
XP_004555145.1 voltage-dependent R-type calcium channel subunit alpha-1E-like isoform X3
XP_006786455.1 voltage-dependent R-type calcium channel subunit alpha-1E-like isoform X6
ELK01670.1 Voltage-dependent T-type calcium channel subunit alpha-1G
XP_005668962.1 voltage-dependent T-type calcium channel subunit alpha-1G isoform X15
XP_005156372.1 voltage-dependent T-type calcium channel subunit alpha-1G isoform X3
XP_005156373.1 voltage-dependent T-type calcium channel subunit alpha-1G isoform X4
XP_005156377.1 voltage-dependent T-type calcium channel subunit alpha-1G isoform X8
XP_005156378.1 voltage-dependent T-type calcium channel subunit alpha-1G isoform X9
XP_006635370.1 voltage-dependent T-type calcium channel subunit alpha-1G-like
XP_004557591.1 voltage-dependent T-type calcium channel subunit alpha-1G-like isoform X4
XP_001919609.3 voltage-dependent T-type calcium channel subunit alpha-1H-like
XP_694715.5 voltage-dependent T-type calcium channel subunit alpha-1I
XP_005946938.1 voltage-dependent T-type calcium channel subunit alpha-1I-like
XP_005815821.1 voltage-dependent T-type calcium channel subunit alpha-1I-like, partial
NP_001002346.1 voltage-gated hydrogen channel 1
XP_003416184.1 voltage-gated potassium channel subunit beta-1 isoform 2
XP_005159273.1 voltage-gated potassium channel subunit beta-1 isoform X1
XP_005159274.1 voltage-gated potassium channel subunit beta-1 isoform X2
XP_004075883.1 voltage-gated potassium channel subunit beta-1-like
XP_006786639.1 voltage-gated potassium channel subunit beta-1-like isoform X1
XP_002663874.3 voltage-gated potassium channel subunit beta-2
XP_005143302.1 voltage-gated potassium channel subunit beta-2 isoform X2
XP_006642089.1 voltage-gated potassium channel subunit beta-2-like
XP_003973397.1 voltage-gated potassium channel subunit beta-2-like isoform 4
XP_003446828.1 voltage-gated potassium channel subunit beta-3-like isoform X1
ABC54955.1 voltage-gated potassium channel type 3
CAP17343.1 voltage-gated sodium channel alpha subunit 1.6
ABF47242.1 voltage-gated sodium channel beta 2 subunit splice variant C
ADQ00344.1 voltage-gated sodium channel type IV alpha subunit Nav1.4a
ADQ00370.1 voltage-gated sodium channel type IV alpha subunit Nav1.4b
NP_001076368.1 vomeronasal 2 receptor, x1 precursor
XP_694399.5 vomeronasal type-2 receptor 1
XP_001333050.5 vomeronasal type-2 receptor 1-like
XP_002942463.2 vomeronasal type-2 receptor 26-like
ACY30364.1 von Willebrand factor A domain containing 5A
XP_005159109.1 von Willebrand factor A domain containing 9 isoform X1
XP_006783456.1 von Willebrand factor A domain-containing protein 1-like
XP_696796.2 von Willebrand factor A domain-containing protein 1-like isoform X2
XP_005807719.1 von Willebrand factor A domain-containing protein 1-like, partial
XP_695815.4 von Willebrand factor A domain-containing protein 2
XP_006791291.1 von Willebrand factor A domain-containing protein 2-like
EPY74543.1 von Willebrand factor A domain-containing protein 3A
XP_003198235.2 von Willebrand factor A domain-containing protein 3A-like
XP_001336637.5 von Willebrand factor A domain-containing protein 5A
XP_003201438.2 von Willebrand factor A domain-containing protein 5A-like
XP_692918.5 von Willebrand factor A domain-containing protein 5B1
XP_005171494.1 von Willebrand factor A domain-containing protein 5B1-like
XP_005920496.1 von Willebrand factor A domain-containing protein 5B2-like isoform X3
XP_685294.5 von Willebrand factor A domain-containing protein 7
XP_003200526.2 von Willebrand factor A domain-containing protein 7 isoform X1
XP_003197747.1 von Willebrand factor A domain-containing protein 7-like
XP_005945585.1 von Willebrand factor A domain-containing protein 7-like isoform X2
NP_001121810.1 von Willebrand factor A domain-containing protein 8
XP_006639085.1 von Willebrand factor A domain-containing protein 8-like
XP_004568656.1 von Willebrand factor C domain-containing protein 2-like
ETE62089.1 von Willebrand factor C domain-containing protein 2-like protein, partial
XP_005299967.1 von Willebrand factor D and EGF domain-containing protein
XP_001345360.4 von Willebrand factor D and EGF domain-containing protein-like
NP_001268918.1 von Willebrand factor precursor

AAH92695.1	Vox protein, partial
XP_003197765.1	VPS10 domain-containing receptor SorCS1, partial
XP_006630891.1	VPS10 domain-containing receptor SorCS1-like
XP_002662899.3	VPS10 domain-containing receptor SorCS2
XP_004567115.1	VPS10 domain-containing receptor SorCS2-like isoform X1
XP_005470218.1	VPS10 domain-containing receptor SorCS3
XP_003197764.1	VPS10 domain-containing receptor SorCS3, partial
XP_004065708.1	VPS10 domain-containing receptor SorCS3-like
XP_005171073.1	VPS10 domain-containing receptor SorCS3-like, partial
XP_005169985.1	VPS9 domain containing 1 isoform X1
NP_001017805.1	V-set and immunoglobulin domain containing 8a
NP_001124253.1	V-set and immunoglobulin domain containing 8b precursor
NP_001093564.2	V-set and immunoglobulin domain-containing protein 10 precursor
XP_002665090.2	V-set and immunoglobulin domain-containing protein 10-like
XP_005455400.1	V-set and immunoglobulin domain-containing protein 10-like isoform X3
XP_006642360.1	V-set and immunoglobulin domain-containing protein 2-like
XP_004086929.1	V-set and transmembrane domain-containing protein 2A-like
NP_001187487.1	v-set and transmembrane domain-containing protein 2b precursor
XP_005918626.1	V-set and transmembrane domain-containing protein 2-like protein-like
XP_002664062.2	V-set and transmembrane domain-containing protein 4
ADU60209.1	vss2
AAI50466.1	Vtnb protein
XP_002660972.3	V-type proton ATPase 116 kDa subunit a isoform 1
XP_006638270.1	V-type proton ATPase 116 kDa subunit a isoform 1-like
XP_004570414.1	V-type proton ATPase 116 kDa subunit a isoform 1-like isoform X2
XP_005811747.1	V-type proton ATPase 116 kDa subunit a isoform 1-like, partial
XP_005165216.1	V-type proton ATPase 116 kDa subunit a isoform 2 isoform X1
XP_005155507.1	V-type proton ATPase 116 kDa subunit a isoform 2 isoform X6
XP_006784333.1	V-type proton ATPase 116 kDa subunit a isoform 2-like
XP_006640306.1	V-type proton ATPase 116 kDa subunit a isoform 2-like isoform X4
XP_005795350.1	V-type proton ATPase 116 kDa subunit a isoform 3-like
XP_003790961.1	V-type proton ATPase 16 kDa proteolipid subunit
EPQ08012.1	V-type proton ATPase 21 kDa proteolipid subunit
EMS59319.1	V-type proton ATPase subunit B 2
XP_001381959.1	V-type proton ATPase subunit B, brain isoform
XP_005811679.1	V-type proton ATPase subunit B, brain isoform-like
XP_006625527.1	V-type proton ATPase subunit B-like
NP_958479.1	V-type proton ATPase subunit C 1-A
XP_005917491.1	V-type proton ATPase subunit C 1-A-like
XP_005456732.1	V-type proton ATPase subunit E 1-like isoform X2
EMC87078.1	V-type proton ATPase subunit H, partial
XP_001339012.3	V-type proton ATPase subunit S1
XP_001340624.2	V-type proton ATPase subunit S1-like
XP_001334829.3	VWFA and cache domain-containing protein 1
XP_004068117.1	VWFA and cache domain-containing protein 1-like
XP_003967234.1	WAP four-disulfide core domain protein 1-like
XP_002191111.1	WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 1
XP_006635151.1	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 2-like
NP_001187177.1	warm temperature acclimation protein 65 kDa-1 precursor
ABW07854.1	warm temperature acclimation protein 65 kDa-2
NP_001187178.1	warm temperature acclimation protein 65 kDa-2 precursor
NP_001103920.1	WAS protein family homolog 1
XP_005159817.1	WAS protein family, member 2 isoform X1
ELK04715.1	WAS/WASL-interacting protein family member 1
XP_694117.3	WASH complex subunit 7-like
XP_005156762.1	WASH complex subunit FAM21A isoform X3
XP_005156764.1	WASH complex subunit FAM21A isoform X5
XP_006630645.1	WASH complex subunit FAM21-like
NP_956477.1	WASH complex subunit strumpellin
XP_006795017.1	WASH complex subunit strumpellin-like
A4IG59.2	WASH1_DANRE RecName: Full=WAS protein family homolog 1
XP_004798714.1	WASP homolog-associated protein with actin, membranes and microtubules
XP_001334115.5	WASP homolog-associated protein with actin, membranes and microtubules-like
NP_001124078.1	WD and tetratricopeptide repeats protein 1
XP_005456785.1	WD and tetratricopeptide repeats protein 1 isoform X2
ADO28235.1	WD repeat and fyve domain-containing protein 2
XP_006110940.1	WD repeat and FYVE domain-containing protein 3 isoform X3
XP_005165448.1	WD repeat and FYVE domain-containing protein 3 isoform X4
XP_005165449.1	WD repeat and FYVE domain-containing protein 3 isoform X5
XP_006626807.1	WD repeat and FYVE domain-containing protein 3-like
XP_005157005.1	WD repeat- and FYVE domain-containing protein 4 isoform X1
XP_005157006.1	WD repeat- and FYVE domain-containing protein 4 isoform X2
XP_701288.6	WD repeat- and FYVE domain-containing protein 4 isoform X3
XP_005940762.1	WD repeat- and FYVE domain-containing protein 4-like
NP_001002726.2	WD repeat and HMG-box DNA-binding protein 1
NP_955927.1	WD repeat and SOCS box-containing protein 1
NP_001230313.1	WD repeat and SOCS box-containing protein 2-like
NP_001242957.1	WD repeat containing, antisense to TP53
AAH95316.1	WD repeat domain 33

AAH98539.1	WD repeat domain 41
NP_001258956.1	WD repeat domain 49
XP_006496610.1	WD repeat domain 69 isoform X1
NP_001090737.1	WD repeat domain 7
ACH70763.1	WD repeat domain containing gene
NP_956685.1	WD repeat domain phosphoinositide-interacting protein 1
XP_005164059.1	WD repeat domain phosphoinositide-interacting protein 1 isoform X1
XP_006635453.1	WD repeat domain phosphoinositide-interacting protein 1-like
XP_004040817.1	WD repeat domain phosphoinositide-interacting protein 3
XP_006635436.1	WD repeat domain phosphoinositide-interacting protein 3-like
XP_005721985.1	WD repeat domain phosphoinositide-interacting protein 3-like isoform X3
ACO10006.1	WD repeat domain phosphoinositide-interacting protein 4
XP_005164182.1	WD repeat domain, phosphoinositide interacting 2 isoform X2
NP_001071237.1	WD repeat, SAM and U-box domain-containing protein 1
XP_004543433.1	WD repeat, SAM and U-box domain-containing protein 1-like isoform X1
XP_005158592.1	WD repeat-containing and planar cell polarity effector protein fritz homolog isoform X2
NP_957333.1	WD repeat-containing protein 1
XP_687231.3	WD repeat-containing protein 11
XP_003441259.1	WD repeat-containing protein 11 isoform X1
XP_003963749.1	WD repeat-containing protein 11-like
NP_001188473.1	WD repeat-containing protein 17
XP_005160045.1	WD repeat-containing protein 17 isoform X1
XP_005160046.1	WD repeat-containing protein 17 isoform X2
XP_005910530.1	WD repeat-containing protein 17, partial
NP_001005206.1	WD repeat-containing protein 18
XP_003451371.2	WD repeat-containing protein 18-like
XP_005170991.1	WD repeat-containing protein 19 isoform X1
XP_005170992.1	WD repeat-containing protein 19 isoform X2
XP_684320.1	WD repeat-containing protein 19 isoform X3
XP_005450373.1	WD repeat-containing protein 1-like isoform X2
XP_003200333.1	WD repeat-containing protein 20 isoform X1
XP_005162935.1	WD repeat-containing protein 24 isoform X1
XP_006632457.1	WD repeat-containing protein 25-like
XP_005152124.1	WD repeat-containing protein 26
XP_006625750.1	WD repeat-containing protein 26-like
NP_942574.1	WD repeat-containing protein 3
NP_001093507.1	WD repeat-containing protein 31
NP_001019392.2	WD repeat-containing protein 33 isoform 2
XP_006626410.1	WD repeat-containing protein 35-like
NP_001161736.1	WD repeat-containing protein 37
XP_005162569.1	WD repeat-containing protein 37 isoform X2
XP_005987421.1	WD repeat-containing protein 38
NP_001025432.2	WD repeat-containing protein 41
XP_003965374.1	WD repeat-containing protein 41-like
NP_001018176.1	WD repeat-containing protein 43
XP_004082853.1	WD repeat-containing protein 43-like
XP_003438892.1	WD repeat-containing protein 46
XP_005817144.1	WD repeat-containing protein 46-like, partial
XP_001922619.3	WD repeat-containing protein 47
NP_001188350.1	WD repeat-containing protein 47-like
XP_004565451.1	WD repeat-containing protein 48-like isoform X2
XP_006018802.1	WD repeat-containing protein 49
XP_006200904.1	WD repeat-containing protein 49, partial
EMC83952.1	WD repeat-containing protein 51A, partial
XP_006638051.1	WD repeat-containing protein 53-like
XP_004543689.1	WD repeat-containing protein 53-like isoform X1
XP_003975301.1	WD repeat-containing protein 54-like
NP_001003871.1	WD repeat-containing protein 55
NP_001012794.1	WD repeat-containing protein 59
XP_004464840.1	WD repeat-containing protein 59 isoform 1
XP_003437789.1	WD repeat-containing protein 59 isoform X1
XP_006641211.1	WD repeat-containing protein 59-like
XP_005929253.1	WD repeat-containing protein 59-like isoform X2
NP_001107126.1	WD repeat-containing protein 6
XP_005167036.1	WD repeat-containing protein 6 isoform X1
XP_005166498.1	WD repeat-containing protein 60-like isoform X2
XP_005166500.1	WD repeat-containing protein 60-like isoform X4
ADO28901.1	WD repeat-containing protein 61
XP_006131475.1	WD repeat-containing protein 62
XP_005169751.1	WD repeat-containing protein 62 isoform X4
XP_006634883.1	WD repeat-containing protein 63-like
XP_006643112.1	WD repeat-containing protein 64-like
XP_002931652.2	WD repeat-containing protein 65
XP_001345204.4	WD repeat-containing protein 65, partial
XP_006634972.1	WD repeat-containing protein 65-like
XP_697723.4	WD repeat-containing protein 66
XP_695006.1	WD repeat-containing protein 67
XP_004078104.1	WD repeat-containing protein 67-like
ADO28586.1	WD repeat-containing protein 69

XP_701317.6	WD repeat-containing protein 7
XP_004683987.1	WD repeat-containing protein 7 isoform X2
XP_006029005.1	WD repeat-containing protein 70-like
EPY75027.1	WD repeat-containing protein 73
NP_001070031.1	WD repeat-containing protein 74
ACN60296.1	WD repeat-containing protein 75
NP_001018595.1	WD repeat-containing protein 78
XP_006634991.1	WD repeat-containing protein 78-like
XP_003406334.1	WD repeat-containing protein 7-like
XP_006782155.1	WD repeat-containing protein 7-like isoform X1
XP_004545401.1	WD repeat-containing protein 82-like
NP_001076308.1	WD repeat-containing protein 85
XP_005165232.1	WD repeat-containing protein 85 isoform X2
XP_007058739.1	WD repeat-containing protein 88
XP_005306248.1	WD repeat-containing protein 90
XP_005170691.1	WD repeat-containing protein 90 isoform X2
NP_991168.1	WD repeat-containing protein 91
NP_001017621.1	WD repeat-containing protein 92
XP_004553504.1	WD repeat-containing protein 92-like isoform X2
NP_001013552.1	WD repeat-containing protein C2orf44 homolog
XP_003199030.2	WD repeat-containing protein KIAA1875-like
NP_958490.1	WD repeat-containing protein mio
XP_004070407.1	WD repeat-containing protein WRAP73-like
XP_005514627.1	WD40 repeat-containing protein SMU1
XP_003197749.1	WD40 repeat-containing protein SMU1-like isoform 1
XP_698598.4	WD40 repeat-containing protein SMU1-like isoform 2
Q6NX08.1	WDR12_DANRE RecName: Full=Ribosome biogenesis protein wdr12; AltName: Full=WD repeat-containing protein 12
AEB26713.1	WDR13 protein
AAI64036.1	Wdr36 protein
AAI27561.1	Wdr43 protein
Q7ZVR1.2	WDR75_DANRE RecName: Full=WD repeat-containing protein 75
Q6TEN6.2	WDR91_DANRE RecName: Full=WD repeat-containing protein 91
AAI34854.1	WEE1 homolog 2 (S. pombe)
XP_005807517.1	wee1-like protein kinase-like
AAH85597.1	Wee2 protein
NP_001089187.1	Werner helicase interacting protein 1
XP_697980.5	Werner syndrome ATP-dependent helicase homolog
XP_004538658.1	whirlin-like
XP_002665968.3	whirlin-like isoform X1
XP_005172006.1	whirlin-like isoform X2
XP_005470489.1	whirlin-like isoform X3
XP_005921797.1	whirlin-like isoform X4
NP_001076348.1	Williams Beuren syndrome chromosome region 22 protein
NP_001076272.1	Williams-Beuren syndrome chromosome region 16
NP_001167249.1	Wilms tumor protein
XP_003209857.1	Wilms tumor protein 1-interacting protein homolog
XP_004539488.1	Wilms tumor protein homolog A-like isoform X2
XP_006642581.1	Wilms tumor protein homolog isoform X2
XP_002917537.1	Wilms tumor protein-like
NP_001117767.1	Wilms' tumor suppressor 1b variant
ABA29002.1	Wilms tumor suppressor protein 1b
ABK34435.1	wingless-type MMTV integration site family member 2 precursor
AER51981.1	wingless-type MMTV integration site family member 7b
AAI62282.1	Wingless-type MMTV integration site family, member 10b
XP_006630595.1	wings apart-like protein homolog
XP_005026311.1	wings apart-like protein homolog isoform X2
NP_956232.1	Wiskott-Aldrich syndrome (eczema-thrombocytopenia) b
XP_005173892.1	wiskott-Aldrich syndrome protein family member 1-like
XP_691220.2	wiskott-Aldrich syndrome protein family member 3
XP_006927240.1	wiskott-Aldrich syndrome protein family member 3 isoform X3
ETE70844.1	Wiskott-Aldrich syndrome protein family member 3, partial
XP_003200954.1	wiskott-Aldrich syndrome protein family member 3-like
XP_699919.5	wiskott-Aldrich syndrome protein isoform X2
AAH91959.1	Wnt inhibitory factor 1
ACX31196.1	WNT1 inducible signaling pathway protein 1b
NP_001186030.1	WNT1 inducible signaling pathway protein 2 precursor
AAI63661.1	Wnt10a protein
NP_001187270.1	wnt1-inducible-signaling pathway protein 1 precursor
NP_001159703.1	WNT1-inducible-signaling pathway protein 3 precursor
XP_004566279.1	WNT1-inducible-signaling pathway protein 3-like
AAI71696.1	Wolf-Hirschhorn syndrome candidate 1
ABC88477.1	Wolf-Hirschhorn syndrome candidate 1 protein
NP_001166972.1	Wolf-Hirschhorn syndrome candidate 2
XP_684510.2	wolframin isoform X2
XP_003200344.2	WSC domain-containing protein 1-like
XP_693820.2	WSC domain-containing protein 1-like isoform X5
XP_005165215.1	WSC domain-containing protein 2 isoform X1
XP_004072424.1	WSC domain-containing protein 2-like

XP_691360.5	wu:fb25b09
XP_005156204.1	wu:fb39e12 isoform X1
XP_005156206.1	wu:fb39e12 isoform X3
AAI50236.1	Wu:fb54a03 protein
XP_696898.5	wu:fb77e12 isoform X3
XP_003200416.1	wu:fb77g05 isoform 2
XP_698531.3	wu:fb77g05 isoform 3
AAI34952.1	Wu:fb92h07 protein
AAI67439.1	Wu:fc02b10 protein
AAI29246.1	Wu:fc13d03 protein
XP_694169.6	wu:fc15a01 isoform X2
XP_003197659.1	wu:fc18f06
AAI33847.1	Wu:fc44f06 protein
XP_701004.4	wu:fc51b03
AAI35016.1	Wu:fc51g12 protein
AAI34188.1	Wu:fc76b04 protein
AAI67970.1	Wu:fc88b11 protein
AAI55800.1	Wu:fd12d03 protein
AAI62433.1	Wu:fe05h01
AAH49512.1	Wu:fi12b10 protein
XP_001332508.1	wu:fk36e11
XP_685503.5	wu:fl04e06
AAI15332.1	Wu:fo94f09 protein
AAH85443.1	Wu:fq24h09
NP_001037798.1	WW domain binding protein 1-like a
NP_001018467.1	WW domain binding protein 1-like b
XP_005163231.1	WW domain containing E3 ubiquitin protein ligase 2 isoform X4
XP_003964415.1	WW domain-binding protein 11-like
XP_006625590.1	WW domain-binding protein 1-like
XP_003438716.1	WW domain-binding protein 2-like
XP_006639140.1	WW domain-binding protein 4-like
CBN81744.1	WW domain-containing adapter protein with coiled-coil
XP_006053810.1	WW domain-containing adapter protein with coiled-coil isoform X2
XP_006634152.1	WW domain-containing adapter protein with coiled-coil-like isoform X2
XP_006789549.1	WW domain-containing oxidoreductase-like
XP_003440598.2	WW domain-containing oxidoreductase-like isoform X1
XP_005810579.1	WW domain-containing oxidoreductase-like, partial
NP_001032785.1	WW domain-containing transcription regulator protein 1
NP_001135239.1	Xaa-Pro aminopeptidase 1
XP_005161823.1	xaa-Pro aminopeptidase 1 isoform X1
NP_957326.1	xaa-Pro aminopeptidase 2
XP_005653330.1	xaa-Pro dipeptidase
XP_006641323.1	xaa-Pro dipeptidase-like
AAH56771.1	Xab2 protein
XP_688983.3	xanthine dehydrogenase/oxidase
AAAY89035.1	Xb51
XP_005172086.1	xenotropic and polytropic retrovirus receptor 1 homolog
XP_005163319.1	xenotropic and polytropic retrovirus receptor 1 homolog isoform X1
XP_006635114.1	xenotropic and polytropic retrovirus receptor 1-like
XP_005159871.1	xeroderma pigmentosum, complementation group A isoform X1
XP_005804603.1	XIAP-associated factor 1-like
EGW00840.1	Xin actin-binding repeat-containing protein 1
XP_005162773.1	xin actin-binding repeat-containing protein 1-like isoform X2
XP_688205.4	xin actin-binding repeat-containing protein 2 isoform X2
XP_004570468.1	xin actin-binding repeat-containing protein 2-like
XP_003199295.2	xin actin-binding repeat-containing protein 2-like, partial
NP_001012253.2	XK, Kell blood group complex subunit-related family, member 7
NP_001007407.1	XK-related protein 2
XP_005889235.1	XK-related protein 4
NP_001012258.1	XK-related protein 4 isoform 1
NP_001012260.1	XK-related protein 5 precursor
NP_001012257.1	XK-related protein 6
XP_004541967.1	XK-related protein 6-like
NP_001012252.1	XK-related protein 7
XP_006639680.1	XK-related protein 7-like
NP_001254570.1	XK-related protein 8
XP_001922809.3	XK-related protein 8-like
NP_001012259.1	XK-related protein 9
XP_005169404.1	X-linked retinitis pigmentosa GTPase regulator isoform X1
XP_005169406.1	X-linked retinitis pigmentosa GTPase regulator isoform X3
AAH54579.1	XPA binding protein 2
AAI42792.1	Xpo6 protein
AAI67478.1	Xpo7 protein
AAI16574.1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble
AAI54306.1	X-prolyl aminopeptidase (aminopeptidase P) 3, putative
XP_003200914.2	X-ray radiation resistance-associated protein 1-like
NP_001017360.1	X-ray repair complementing defective repair in Chinese hamster cells 5
XP_002665537.3	X-ray repair cross-complementing protein 5-like
XP_005156196.1	X-ray repair cross-complementing protein 6 isoform X3

XP_003965907.1	xylose isomerase-like
XP_003453559.2	xylose isomerase-like isoform X1
XP_002189200.2	xyloside xylosyltransferase 1
XP_002663856.2	xyloside xylosyltransferase 1-like
NP_001165868.1	xylosyltransferase 1
XP_005872117.1	xylosyltransferase 1-like
NP_956673.1	xylulose kinase
NP_001032648.1	Y+L amino acid transporter 1
XP_006801757.1	Y+L amino acid transporter 1-like
XP_005917550.1	Y+L amino acid transporter 1-like isoform X2
EMP41249.1	Y+L amino acid transporter 2
XP_005166451.1	Y+L amino acid transporter 2 isoform X1
XP_001919338.3	Y+L amino acid transporter 2-like
NP_001134722.1	YD008 protein
XP_002660941.3	YEATS domain-containing protein 2 isoform X1
XP_006637829.1	YEATS domain-containing protein 2-like
XP_005476281.1	YEATS domain-containing protein 2-like isoform X1
XP_001492273.2	YEATS domain-containing protein 4
AHG98166.1	YIPF4-1, partial
NP_001187872.1	YIPF7 protein
XP_006132369.1	yjeF N-terminal domain-containing protein 3
XP_006640092.1	yjeF N-terminal domain-containing protein 3-like
XP_005170211.1	YLP motif-containing protein 1 isoform X2
XP_004075324.1	yorkie homolog
XP_005173718.1	yorkie homolog isoform X1
NP_001077336.1	yrdC domain-containing protein, mitochondrial
NP_997878.1	YTH domain family protein 1
XP_005158820.1	YTH domain family protein 2 isoform X1
XP_006185879.1	YTH domain family protein 3
NP_001007411.1	YTH domain-containing protein 1
XP_006626638.1	YTH domain-containing protein 1-like isoform X1
P14381.1	YTX2_XENLA RecName: Full=Transposon TX1 uncharacterized 149 kDa protein; AltName: Full=ORF 2
AAH86710.1	Ywhab1 protein
AEX07732.1	YWHAE/FAM22A fusion protein, partial
AEX07733.1	YWHAE/FAM22B fusion protein, partial
EAW81689.1	YY1 transcription factor, isoform CRA_a, partial
NP_001186296.1	ZAR1-like protein
Q1L8W0.1	ZBT18_DANRE RecName: Full=Zinc finger and BTB domain-containing protein 18; AltName: Full=Zinc finger protein 238
AAI65228.1	Zbtb16 protein
AAH74064.1	Zbtb2b protein
Q5TYQ8.1	ZC3HE_DANRE RecName: Full=Zinc finger CCCH domain-containing protein 14
AAH49016.1	Zcche17 protein, partial
AAI52526.1	Zcche71 protein
AAH92986.1	Zcche8 protein
NP_001068577.1	ZCWCC3 protein
XP_005174683.1	ZCWCC3 protein isoform X1
AAB39376.1	ZDK1=MDK1 receptor protein tyrosine kinase homolog
BAF44666.1	zebrafish target of rapamycin
XP_002660447.1	zeta-sarcoglycan-like
Q6PCR6.2	ZFR_DANRE RecName: Full=Zinc finger RNA-binding protein
AAH78305.1	Zgc:100914
AAH77087.1	Zgc:100930
XP_005161685.1	Zgc:101000 isoform X1
AAH83204.1	Zgc:101569
AAH96969.1	Zgc:101731
XP_005166887.1	Zgc:103670 isoform X1
XP_005166888.1	Zgc:103670 isoform X2
AAI29317.1	Zgc:109868 protein
AAH76487.1	Zgc:109983
AAH76143.1	Zgc:110046 protein, partial
AAI55153.1	Zgc:110075 protein
AAH76043.1	Zgc:110116 protein, partial
AAI65386.1	Zgc:110141 protein
AAI55811.1	Zgc:110212 protein
AAH71456.2	Zgc:110339
AAH92890.1	Zgc:110347
AAH92904.1	Zgc:110372
AAI65266.1	Zgc:110380 protein
AAH96809.1	Zgc:110418
AAI55809.1	Zgc:110694 protein
AAH90743.1	Zgc:110752
AAH90272.1	Zgc:110758 protein
AAH90453.1	Zgc:110775
AAH93123.1	Zgc:111878
AAH95630.1	Zgc:111976
AAI54356.1	Zgc:111978
AAH95667.1	Zgc:112079

AAI53412.1	Zgc:112092
AAH93198.1	Zgc:112095
AAH56811.1	Zgc:112265 protein, partial
CAP71952.1	zgc:112341
AAH95793.1	Zgc:112374
AAI59208.1	Zgc:113194 protein
XP_005172345.1	zgc:113305 isoform X1
AAH91970.1	Zgc:113362 protein
AAI33117.1	Zgc:113516 protein
AAH96982.1	Zgc:113878
AAH97029.1	Zgc:113947 protein
AAH83440.1	Zgc:114034 protein, partial
AAI33991.1	Zgc:114114 protein
AAI15042.1	Zgc:136225
AAI17571.1	Zgc:136228
AAH77082.1	Zgc:136279 protein
AAI15083.1	Zgc:136320 protein
AAH95174.1	Zgc:136346 protein
AAH95813.1	Zgc:136359 protein
AAI29281.1	Zgc:136396 protein
AAI16551.1	Zgc:136471 protein
AAH76464.1	Zgc:136472 protein
AAH68395.1	Zgc:136493 protein
AAI15158.1	Zgc:136505 protein
AAI16598.1	Zgc:136585
AAI15199.1	Zgc:136620
AAI15236.1	Zgc:136713
AAI15314.1	Zgc:136889
AAI54261.1	Zgc:136930 protein
AAI53526.1	Zgc:152651 protein
AAI35104.1	Zgc:152732 protein
AAI24135.1	Zgc:152804
AAI65244.1	Zgc:152845 protein
AAH42323.1	Zgc:152851 protein
AAI24161.1	Zgc:152869
AAI65705.1	Zgc:152959 protein
AAI71620.1	Zgc:152984 protein
AAI24204.1	Zgc:152985
AAI24616.1	Zgc:152986
XP_005173001.1	zgc:153032 isoform X1
AAI34966.1	Zgc:153082
AAI55058.1	Zgc:153113 protein
AAI22155.1	Zgc:153136
AAI24297.1	Zgc:153272
AAI22221.1	Zgc:153290
AAI24306.1	Zgc:153294
AAI24675.1	Zgc:153436
AAI61662.1	Zgc:153569 protein
AAI25880.1	Zgc:153587
AAI25883.1	Zgc:153649 protein
AAI22397.1	Zgc:153719
AAI22400.1	Zgc:153725
AAI71425.1	Zgc:153733
AAI33819.1	Zgc:153898 protein
AAI54253.1	Zgc:153958
AAI24814.1	Zgc:154116
AAI29136.1	Zgc:158130
AAI29182.1	Zgc:158263
CAP71923.1	zgc:158279
AAI42757.1	Zgc:158285 protein
XP_005170186.1	zgc:158297 isoform X2
AAI33083.1	Zgc:158327 protein
XP_005167328.1	zgc:158399 isoform X1
AAI27596.1	Zgc:158417
AAI52077.1	Zgc:158429 protein
AAI53524.1	Zgc:158431
AAI33134.1	Zgc:158611 protein
AAI33136.1	Zgc:158613 protein
AAI29332.1	Zgc:158627
AAI22151.1	Zgc:158644
AAI29367.1	Zgc:158667
AAI29383.1	Zgc:158685
AAI29396.1	Zgc:158703
AAH90704.1	Zgc:158780 protein
AAI33161.1	Zgc:158802 protein
AAI24187.1	Zgc:161973 protein
AAH95325.1	Zgc:162471 protein
AAH90678.1	Zgc:162509 protein
AAH90309.1	Zgc:162512 protein

AAI53381.1	Zgc:162613 protein
AAI39611.1	Zgc:162621 protein
XP_005170952.1	zgc:162825 isoform X1
AAH67659.1	Zgc:162905 protein
AAI34162.1	Zgc:162945 protein
AAI41799.1	Zgc:163008 protein
AAI35103.1	Zgc:163098 protein
AAI35108.1	Zgc:163121 protein
AAI50428.1	Zgc:165596 protein
AAI42896.1	Zgc:165604
AAI59114.1	Zgc:171573 protein
AAI54006.1	Zgc:171819 protein
AAI54031.1	Zgc:171886 protein
AAI51991.1	Zgc:171915 protein
AAI15265.1	Zgc:172009 protein
AAI33173.1	Zgc:173439 protein
AAI53507.1	Zgc:174162 protein
AAH56313.1	Zgc:174506 protein
AAI63383.1	Zgc:194800
AAI63082.1	Zgc:194817
CAM73212.1	zgc:55318
AAI54794.1	Zgc:55395 protein
AAH71340.1	Zgc:55448 protein
AAH66530.1	Zgc:55466
AAI65742.1	Zgc:55572 protein
AAH75764.1	Zgc:55664
AAH45423.1	Zgc:55673
AAI53497.1	Zgc:55673 protein
AAH45429.1	Zgc:55695 protein
AAI15068.1	Zgc:55888
AAI54209.1	Zgc:56068 protein
AAH45969.1	Zgc:56175
XP_005171857.1	zgc:56194 isoform X2
NP_956500.2	zgc:56194 precursor
AAH66382.1	Zgc:56304 protein
AAH66421.2	Zgc:56407
AAH49448.1	Zgc:56454
AAH49027.1	Zgc:56466
AAH65624.1	Zgc:56525 protein
AAI55280.1	Zgc:56556 protein
AAH66622.1	Zgc:56585 protein
AAH49334.1	Zgc:56589
AAH71470.1	Zgc:56665 protein
AAH50178.1	Zgc:56698
XP_005173404.1	zgc:63480 isoform X2
AAI53623.1	Zgc:63674 protein
AAH61453.1	Zgc:63688
XP_005171188.1	zgc:63882 isoform X1
AAH53274.1	Zgc:64136
CAM60090.1	zgc:64208
AAH52128.1	Zgc:66430 protein
AAH54712.1	Zgc:66479
AAH46046.1	Zgc:73136 protein, partial
AAH60915.1	Zgc:73189
AAH91655.1	Zgc:73317 protein
AAH71380.1	Zgc:73328 protein, partial
AAH66588.1	Zgc:77004
AAH59632.1	Zgc:77123 protein
CAM73173.1	zgc:77222
AAH65948.1	Zgc:77292
AAH65641.1	Zgc:77304 protein
AAI55184.1	Zgc:77462 protein
AAH66541.1	Zgc:77517
AAH63987.1	Zgc:77870
AAH62866.1	Zgc:77875 protein
AAH70006.1	Zgc:85722
AAI33132.1	Zgc:85787 protein
CAP08002.1	zgc:86661
AAI68498.1	Zgc:86749 protein
AAI71448.1	Zgc:86764
AAI54202.1	Zgc:91912
CAP08022.1	zgc:91989
AAH76531.1	Zgc:92030
AAH85639.1	Zgc:92122
AAI29490.1	Zgc:92177 protein
AAH81627.1	Zgc:92231
AAH76083.1	Zgc:92578
AAH90718.1	Zgc:92586 protein, partial
AAI53444.1	Zgc:92683 protein

AAH95239.1	Zgc:92753 protein
ABM22385.1	zinc family member 1
NP_001001837.1	zinc family member 6
CDJ51761.1	zinc finger (C3HC4 RING finger) protein, putative
XP_005170102.1	zinc finger and BTB domain containing 12, tandem duplicate 2 isoform X1
NP_999962.1	zinc finger and BTB domain-containing protein 1
NP_001122011.1	zinc finger and BTB domain-containing protein 10
NP_997815.2	zinc finger and BTB domain-containing protein 11
XP_698274.3	zinc finger and BTB domain-containing protein 16-A-like
XP_005174735.1	zinc finger and BTB domain-containing protein 16-A-like isoform X1
XP_006641646.1	zinc finger and BTB domain-containing protein 16-like
XP_006026726.1	zinc finger and BTB domain-containing protein 16-like isoform X2
XP_003455379.2	zinc finger and BTB domain-containing protein 17
XP_003201251.1	zinc finger and BTB domain-containing protein 17-like
XP_005453369.1	zinc finger and BTB domain-containing protein 18.2-like
NP_998580.2	zinc finger and BTB domain-containing protein 2
XP_003446897.1	zinc finger and BTB domain-containing protein 20
XP_005165686.1	zinc finger and BTB domain-containing protein 20 isoform X1
XP_695193.6	zinc finger and BTB domain-containing protein 21
XP_689543.1	zinc finger and BTB domain-containing protein 22 isoform 1
XP_005811856.1	zinc finger and BTB domain-containing protein 22-like
XP_006626394.1	zinc finger and BTB domain-containing protein 24-like
XP_695788.1	zinc finger and BTB domain-containing protein 25
NP_001343400.2	zinc finger and BTB domain-containing protein 3
NP_001038625.1	zinc finger and BTB domain-containing protein 37
XP_006643141.1	zinc finger and BTB domain-containing protein 37-like
XP_001339146.1	zinc finger and BTB domain-containing protein 38
XP_005159290.1	zinc finger and BTB domain-containing protein 38-like
XP_693418.3	zinc finger and BTB domain-containing protein 39-like
XP_005172972.1	zinc finger and BTB domain-containing protein 40-like isoform X1
XP_001922702.4	zinc finger and BTB domain-containing protein 41 isoform X1
XP_005171966.1	zinc finger and BTB domain-containing protein 44 isoform X1
XP_005464855.1	zinc finger and BTB domain-containing protein 44-like
XP_699124.5	zinc finger and BTB domain-containing protein 46 isoform X2
XP_006639664.1	zinc finger and BTB domain-containing protein 46-like
XP_696166.2	zinc finger and BTB domain-containing protein 48
XP_005173104.1	zinc finger and BTB domain-containing protein 49-like
XP_005478755.1	zinc finger and BTB domain-containing protein 7A-like isoform X2
XP_006804893.1	zinc finger and BTB domain-containing protein 7B-like
XP_003200858.1	zinc finger and BTB domain-containing protein 7C-like
NP_001035340.2	zinc finger and BTB domain-containing protein 8A
XP_001333686.2	zinc finger and SCAN domain-containing protein 10 isoform X1
XP_005171543.1	zinc finger and SCAN domain-containing protein 12 isoform X2
XP_004555241.1	zinc finger and SCAN domain-containing protein 21-like
XP_005468751.1	zinc finger and SCAN domain-containing protein 21-like isoform X1
XP_005722030.1	zinc finger and SCAN domain-containing protein 22-like
XP_005160469.1	zinc finger and SCAN domain-containing protein 26-like
XP_006119381.1	zinc finger and SCAN domain-containing protein 26-like isoform X1
XP_003200019.1	zinc finger and SCAN domain-containing protein 2-like
XP_005463940.1	zinc finger and SCAN domain-containing protein 2-like isoform X1
XP_006268611.1	zinc finger BED domain-containing protein 1-like
XP_005174523.1	zinc finger BED domain-containing protein 1-like, partial
XP_002666517.2	zinc finger BED domain-containing protein 4
XP_003388093.1	zinc finger BED domain-containing protein 4-like
XP_004213313.1	zinc finger BED domain-containing protein 4-like, partial
XP_006885475.1	zinc finger BED domain-containing protein 5
XP_006012964.1	zinc finger BED domain-containing protein 5-like
XP_006631725.1	zinc finger BED domain-containing protein 5-like, partial
XP_005156455.1	zinc finger BED domain-containing protein 6-like
XP_005953215.1	zinc finger BED domain-containing protein 6-like, partial
XP_005162733.1	zinc finger C2HC domain-containing protein 1A isoform X1
XP_006633651.1	zinc finger C3H1 domain-containing protein-like
XP_005998271.1	zinc finger C4H2 domain-containing protein
XP_004940578.1	zinc finger C4H2 domain-containing protein isoform X6
NP_996981.1	zinc finger CCCH domain-containing protein 10
XP_003973153.1	zinc finger CCCH domain-containing protein 10-like
NP_956816.2	zinc finger CCCH domain-containing protein 13
XP_006632401.1	zinc finger CCCH domain-containing protein 14-like
XP_005460334.1	zinc finger CCCH domain-containing protein 14-like isoform X1
XP_005434605.1	zinc finger CCCH domain-containing protein 15
NP_001037804.1	zinc finger CCCH domain-containing protein 18
XP_005795945.1	zinc finger CCCH domain-containing protein 18-like
XP_005454317.1	zinc finger CCCH domain-containing protein 18-like isoform X1
XP_689680.3	zinc finger CCCH domain-containing protein 3
XP_005802386.1	zinc finger CCCH domain-containing protein 3-like
XP_686060.5	zinc finger CCCH domain-containing protein 4-like isoform X2
XP_687737.6	zinc finger CCCH domain-containing protein 6-like
NP_998599.1	zinc finger CCCH domain-containing protein 7A
XP_005164263.1	zinc finger CCCH domain-containing protein 7A isoform X1

XP_685966.6 zinc finger CCCH domain-containing protein 7B
 XP_004080234.1 zinc finger CCCH domain-containing protein 7B-like
 NP_955980.2 zinc finger CCCH type containing 11A-like
 NP_956779.1 zinc finger CCCH-type with G patch domain-containing protein
 ETE71098.1 Zinc finger CCHC domain-containing protein 10, partial
 XP_005158956.1 zinc finger CCHC domain-containing protein 12-like
 XP_001336526.4 zinc finger CCHC domain-containing protein 14
 XP_005935085.1 zinc finger CCHC domain-containing protein 14-like isoform X2
 XP_005168496.1 zinc finger CCHC domain-containing protein 2 isoform X1
 XP_006634341.1 zinc finger CCHC domain-containing protein 2-like
 XP_004575946.1 zinc finger CCHC domain-containing protein 3-like
 XP_005755842.1 zinc finger CCHC domain-containing protein 3-like, partial
 NP_001107071.1 zinc finger CCHC domain-containing protein 4
 XP_003966788.1 zinc finger CCHC domain-containing protein 4-like
 XP_001332542.5 zinc finger CCHC domain-containing protein 7
 XP_006787332.1 zinc finger CCHC domain-containing protein 7-like
 XP_005165684.1 zinc finger CCHC domain-containing protein 8 isoform X1
 XP_006640430.1 zinc finger CCHC domain-containing protein 8-like
 XP_005164684.1 zinc finger CCHC-type and RNA-binding motif-containing protein 1 isoform X1
 XP_005999849.1 zinc finger CW-type PWWP domain protein 1
 XP_005159404.1 zinc finger domain containing isoform X2
 XP_005159405.1 zinc finger domain containing isoform X3
 AGS58238.1 zinc finger E-box binding homeobox 1
 XP_001344107.4 zinc finger E-box-binding homeobox 1 isoform X1
 XP_005171467.1 zinc finger E-box-binding homeobox 1 isoform X3
 NP_001232895.1 zinc finger E-box-binding homeobox 2
 XP_005167580.1 zinc finger E-box-binding homeobox 2 isoform X1
 XP_006636289.1 zinc finger E-box-binding homeobox 2-like isoform X1
 XP_005452381.1 zinc finger E-box-binding homeobox 2-like isoform X5
 XP_691596.6 zinc finger FYVE domain-containing protein 1
 XP_001344703.1 zinc finger FYVE domain-containing protein 1 isoform 1
 XP_005155592.1 zinc finger FYVE domain-containing protein 16-like isoform X2
 XP_005155593.1 zinc finger FYVE domain-containing protein 16-like isoform X3
 XP_005449749.1 zinc finger FYVE domain-containing protein 1-like isoform X2
 XP_004554755.1 zinc finger FYVE domain-containing protein 21-like isoform X3
 XP_003199781.2 zinc finger FYVE domain-containing protein 26 isoform X1
 XP_004174377.1 zinc finger FYVE domain-containing protein 9
 XP_001344504.2 zinc finger FYVE domain-containing protein 9 isoform X1
 XP_005155847.1 zinc finger FYVE domain-containing protein 9-like
 XP_004555302.1 zinc finger FYVE domain-containing protein 9-like isoform X1
 NP_001017401.1 zinc finger HIT domain-containing protein 1
 XP_005155440.1 zinc finger HIT domain-containing protein 2 isoform X1
 NP_001187909.1 zinc finger hit domain-containing protein 3
 XP_002663048.3 zinc finger homeobox protein 3
 XP_005162711.1 zinc finger homeobox protein 4 isoform X2
 XP_005162806.1 zinc finger homeobox protein 4-like isoform X4
 XP_684360.5 zinc finger homeobox protein 4-like isoform X5
 XP_005155912.1 zinc finger matrin-type protein 3-like
 XP_003198682.2 zinc finger matrin-type protein 4
 XP_006630616.1 zinc finger matrin-type protein 4-like
 NP_001003771.1 zinc finger matrin-type protein 5
 XP_005156910.1 zinc finger MIZ domain-containing protein 1 isoform X1
 XP_005156911.1 zinc finger MIZ domain-containing protein 1 isoform X2
 XP_005988299.1 zinc finger MIZ domain-containing protein 2
 XP_002663713.2 zinc finger MIZ domain-containing protein 2 isoform X1
 XP_003965476.1 zinc finger MIZ domain-containing protein 2-like
 XP_004705360.1 zinc finger MYM-type protein 1
 XP_003390821.1 zinc finger MYM-type protein 1-like
 XP_004211612.1 zinc finger MYM-type protein 1-like, partial
 XP_689392.5 zinc finger MYM-type protein 4-like isoform X3
 XP_004086658.1 zinc finger MYM-type protein 6-like
 NP_956691.1 zinc finger MYND domain-containing protein 10
 XP_003448361.2 zinc finger MYND domain-containing protein 10-like
 ADO27939.1 zinc finger mynd domain-containing protein 12
 NP_898892.1 zinc finger MYND domain-containing protein 19
 ERE91377.1 zinc finger protein
 XP_003200426.2 zinc finger protein 106
 XP_006632659.1 zinc finger protein 106-like
 XP_003455625.1 zinc finger protein 12-like
 XP_006036098.1 zinc finger protein 135-like
 XP_690036.3 zinc finger protein 142
 XP_006636746.1 zinc finger protein 142-like
 NP_957273.1 zinc finger protein 143
 XP_005159129.1 zinc finger protein 143 isoform X1
 XP_005159130.1 zinc finger protein 143 isoform X2
 NP_001007442.1 zinc finger protein 143a
 NP_001073649.1 zinc finger protein 148 isoform 1
 EDL38026.1 zinc finger protein 160
 XP_005169606.1 zinc finger protein 160-like

NP_998701.1	zinc finger protein 161 homolog
XP_005950826.1	zinc finger protein 16-like
XP_003199628.1	zinc finger protein 16-like isoform 1
XP_005160141.1	zinc finger protein 180-like
AAR97525.1	zinc finger protein 183
XP_687028.3	zinc finger protein 184
NP_001071004.1	zinc finger protein 185 (LIM domain)
XP_006154442.1	zinc finger protein 207
XP_007052783.1	zinc finger protein 208-like
XP_004716489.1	zinc finger protein 214
XP_003201271.1	zinc finger protein 217-like isoform X1
XP_005453689.1	zinc finger protein 235-like isoform X1
XP_006939058.1	zinc finger protein 236
XP_006635730.1	zinc finger protein 236-like
XP_005937739.1	zinc finger protein 236-like isoform X1
XP_698650.1	zinc finger protein 251
XP_005160137.1	zinc finger protein 252 isoform X1
XP_005160138.1	zinc finger protein 252 isoform X2
NP_001037777.1	zinc finger protein 262
XP_005159754.1	zinc finger protein 262 isoform X1
XP_002917645.1	zinc finger protein 271-like
XP_003198485.2	zinc finger protein 271-like, partial
NP_001076470.1	zinc finger protein 276
NP_956724.1	zinc finger protein 277
XP_006633512.1	zinc finger protein 277-like
XP_004480178.1	zinc finger protein 28 homolog
XP_005166581.1	zinc finger protein 280D isoform X1
XP_005166584.1	zinc finger protein 280D isoform X4
XP_005467235.1	zinc finger protein 280D-like
XP_001922388.3	zinc finger protein 281-like
XP_005289517.1	zinc finger protein 287-like
NP_001025383.1	zinc finger protein 292
XP_005169930.1	zinc finger protein 292a isoform X1
XP_006626275.1	zinc finger protein 292-like
XP_005173709.1	zinc finger protein 296 isoform X1
XP_005911770.1	zinc finger protein 3
ELK38750.1	Zinc finger protein 300
XP_002664136.3	zinc finger protein 318-like isoform X1
XP_001923338.2	zinc finger protein 319-like
XP_003972505.1	zinc finger protein 330-like
XP_004070728.1	zinc finger protein 335-like
XP_003199135.2	zinc finger protein 335-like isoform X1
XP_005167155.1	zinc finger protein 335-like isoform X2
XP_005174589.1	zinc finger protein 341 isoform X1
NP_001075218.1	zinc finger protein 346
AAI24506.1	Zinc finger protein 36, C3H type-like 2
NP_001071201.1	zinc finger protein 362a
XP_006641927.1	zinc finger protein 362-like
XP_005478322.1	zinc finger protein 362-like isoform X2
XP_006627228.1	zinc finger protein 366-like
XP_005166732.1	zinc finger protein 367 isoform X1
XP_002664231.1	zinc finger protein 37
XP_001921750.3	zinc finger protein 385A-like
XP_005732660.1	zinc finger protein 385A-like isoform X2
XP_006760623.1	zinc finger protein 385B isoform X1
XP_006638308.1	zinc finger protein 385B-like
XP_004567522.1	zinc finger protein 385B-like isoform X2
XP_005163940.1	zinc finger protein 385C isoform X2
XP_006798309.1	zinc finger protein 385C-like isoform X2
XP_005173597.1	zinc finger protein 385D-like
XP_005169886.1	zinc finger protein 395a isoform X1
XP_001340699.4	zinc finger protein 40 isoform X1
XP_005157905.1	zinc finger protein 407-like
XP_001333167.1	zinc finger protein 408-like
NP_991216.1	zinc finger protein 410
XP_005171267.1	zinc finger protein 414 isoform X1
XP_005160274.1	zinc finger protein 41-like
XP_004659875.1	zinc finger protein 420-like
XP_006273263.1	zinc finger protein 423 isoform X1
XP_001920581.1	zinc finger protein 432
XP_004066483.1	zinc finger protein 436-like
XP_005168114.1	zinc finger protein 45-like
XP_002665876.3	zinc finger protein 462
XP_005163209.1	zinc finger protein 469-like
XP_006783843.1	zinc finger protein 503-like
XP_005166517.1	zinc finger protein 507
XP_001342850.3	zinc finger protein 510-like isoform X1
NP_001004531.1	zinc finger protein 511
XP_004070804.1	zinc finger protein 512B-like

XP_005162062.1	zinc finger protein 512B-like isoform X2
XP_006625815.1	zinc finger protein 512-like
XP_005160899.1	zinc finger protein 512-like isoform X1
XP_697406.4	zinc finger protein 513-like
NP_001153141.1	zinc finger protein 516
XP_005170048.1	zinc finger protein 516 isoform X3
XP_001339026.1	zinc finger protein 518A
XP_006630561.1	zinc finger protein 518A-like
XP_005173109.1	zinc finger protein 518B-like
XP_002713655.1	zinc finger protein 521
XP_005721612.1	zinc finger protein 521-like
XP_005161128.1	zinc finger protein 532 isoform X1
XP_005166686.1	zinc finger protein 536-like
EPQ19182.1	Zinc finger protein 551
XP_006104853.1	zinc finger protein 551-like
CBN80942.1	Zinc finger protein 572
XP_006791368.1	zinc finger protein 572-like
NP_001164307.1	zinc finger protein 574
XP_694427.4	zinc finger protein 574-like
NP_001133487.1	Zinc finger protein 576
XP_005930143.1	zinc finger protein 583-like
XP_004086461.1	zinc finger protein 585A-like
NP_001028890.1	zinc finger protein 598
XP_006637338.1	zinc finger protein 598-like
XP_003806613.1	zinc finger protein 600
XP_002661362.2	zinc finger protein 607-like
XP_006626907.1	zinc finger protein 608-like
XP_005172479.1	zinc finger protein 608-like isoform X2
NP_001025252.1	zinc finger protein 609
XP_005174270.1	zinc finger protein 609 isoform X1
XP_006628995.1	zinc finger protein 609-like
XP_004066919.1	zinc finger protein 609-like isoform 1
XP_004439207.1	zinc finger protein 615-like
XP_005172094.1	zinc finger protein 618 isoform X2
XP_005172095.1	zinc finger protein 618 isoform X3
XP_006640780.1	zinc finger protein 618-like
XP_005720503.1	zinc finger protein 618-like isoform X3
XP_005157958.1	zinc finger protein 628-like isoform X1
XP_004083187.1	zinc finger protein 629-like
XP_005172280.1	zinc finger protein 638-like isoform X1
XP_692201.4	zinc finger protein 638-like isoform X2
NP_001265183.1	zinc finger protein 644a
XP_003198829.2	zinc finger protein 644-like isoform X1
XP_689700.2	zinc finger protein 646 isoform X2
XP_006914957.1	zinc finger protein 652
XP_006798350.1	zinc finger protein 652-like
XP_005448917.1	zinc finger protein 652-like isoform X2
XP_005802875.1	zinc finger protein 653-like
XP_005738150.1	zinc finger protein 653-like isoform X1
XP_003199213.1	zinc finger protein 681-like
XP_001340736.2	zinc finger protein 687
XP_001922058.1	zinc finger protein 687-like isoform X1
XP_005431308.1	zinc finger protein 687-like, partial
NP_001116748.1	zinc finger protein 692
XP_699131.3	zinc finger protein 697-like
NP_571897.1	zinc finger protein 703
NP_001038383.2	zinc finger protein 704
XP_005162071.1	zinc finger protein 704 isoform X2
XP_006639675.1	zinc finger protein 704-like
NP_956086.1	zinc finger protein 710
XP_005159223.1	zinc finger protein 710 isoform X1
XP_001922719.3	zinc finger protein 710-like isoform X1
XP_005045771.1	zinc finger protein 711 isoform X1
XP_006632918.1	zinc finger protein 711-like isoform X2
XP_004085076.1	zinc finger protein 717-like
XP_005163893.1	zinc finger protein 726-like isoform X2
XP_006796016.1	zinc finger protein 729-like
XP_005172837.1	zinc finger protein 740 isoform X1
XP_005172855.1	zinc finger protein 740 isoform X19
XP_005172857.1	zinc finger protein 740 isoform X21
XP_005172842.1	zinc finger protein 740 isoform X6
XP_005172845.1	zinc finger protein 740 isoform X9
NP_001070099.1	zinc finger protein 740b
NP_001017786.1	zinc finger protein 750
XP_005940368.1	zinc finger protein 750-like
XP_006632559.1	zinc finger protein 770-like
EPQ04728.1	Zinc finger protein 781
XP_853616.2	zinc finger protein 804A
XP_005160034.1	zinc finger protein 827 isoform X2

XP_005160035.1	zinc finger protein 827 isoform X3
XP_006629612.1	zinc finger protein 827-like
XP_005935135.1	zinc finger protein 827-like isoform X4
XP_006635789.1	zinc finger protein 830-like
XP_005155721.1	zinc finger protein 831 isoform X1
XP_005805449.1	zinc finger protein 836-like
XP_004574013.1	zinc finger protein 850-like isoform X1
XP_005160142.1	zinc finger protein 853-like
XP_0060011368.1	zinc finger protein 85-like
XP_693848.3	zinc finger protein 862 isoform X2
XP_006817866.1	zinc finger protein 862-like
NP_001076544.1	zinc finger protein 865
XP_687655.4	zinc finger protein 90 homolog isoform X2
XP_001922926.3	zinc finger protein 91-like
NP_998659.2	zinc finger protein AEBP2
ELW62845.1	Zinc finger protein basonuclin-1
XP_697231.3	zinc finger protein basonuclin-1-like
XP_005420946.1	zinc finger protein basonuclin-2
XP_005159953.1	zinc finger protein basonuclin-2 isoform X2
XP_003972449.1	zinc finger protein basonuclin-2-like
XP_001923862.3	zinc finger protein castor homolog 1 isoform X1
NP_001104639.1	zinc finger protein DPF3
XP_004082640.1	zinc finger protein DPF3-like
XP_003440828.1	zinc finger protein DPF3-like isoform X1
XP_004542118.1	zinc finger protein DPF3-like isoform X2
XP_005449754.1	zinc finger protein DPF3-like isoform X4
XP_005165762.1	zinc finger protein Dzip1 isoform X2
NP_001032304.1	zinc finger protein DZIP1L
NP_001170926.1	zinc finger protein Eos
ADO27769.1	zinc finger protein gfi-1b
NP_840081.1	zinc finger protein GLI1
XP_005671700.1	zinc finger protein GLI2, partial
XP_004066534.1	zinc finger protein GLI2-like
XP_002663149.2	zinc finger protein GLIS1
XP_002666356.3	zinc finger protein GLIS2-like
XP_005172630.1	zinc finger protein GLIS3 isoform X1
XP_005946544.1	zinc finger protein GLIS3-like isoform X4
NP_001155234.1	zinc finger protein Helios
XP_006636472.1	zinc finger protein Helios-like
XP_004555578.1	zinc finger protein Helios-like isoform X3
EPQ19413.1	Zinc finger protein interacting with ribonucleoprotein K
EFN60310.1	Zinc finger protein KIAA0543
XP_002784593.1	zinc finger protein MYM-type protein, putative
XP_005454363.1	zinc finger protein neuro-d4-like isoform X1
AAK08969.1	zinc finger protein Noz1
EPQ16818.1	Zinc finger protein Pegasus
XP_005174159.1	zinc finger protein PLAGL2 isoform X1
XP_003459640.1	zinc finger protein RFP-like
XP_690924.6	zinc finger protein Rif
NP_001008581.1	zinc finger protein SNAI2
XP_004076387.1	zinc finger protein ubi-d4-like
XP_004078886.1	zinc finger protein Xfin-like
XP_005158213.1	zinc finger protein Xfin-like isoform X1
XP_694698.4	zinc finger protein ZFAT
XP_001338177.4	zinc finger protein ZFP69-like
XP_005159131.1	zinc finger protein ZFPM1 isoform X1
XP_003965905.1	zinc finger protein ZFPM2-like
CBN82008.1	Zinc finger protein ZIC 1, partial
XP_006638968.1	zinc finger protein ZIC 2-like
NP_001001950.1	zinc finger protein ZIC 3
CBN82009.1	Zinc finger protein ZIC 4
NP_991290.1	zinc finger protein ZIC 5
NP_998273.1	zinc finger protein ZPR1
XP_002662446.1	zinc finger protein ZXDC
XP_005803762.1	zinc finger protein ZXDC-like
NP_001034613.1	zinc finger protein, multitype 2b
ACN60264.1	Zinc finger Ran-binding domain-containing protein 1
EMP32395.1	Zinc finger Ran-binding domain-containing protein 2
XP_005479213.1	zinc finger RNA-binding protein
XP_006626800.1	zinc finger RNA-binding protein-like
NP_001138291.1	zinc finger SWIM domain-containing protein 5
XP_005163435.1	zinc finger SWIM domain-containing protein 5 isoform X1
XP_005943833.1	zinc finger SWIM domain-containing protein 5-like isoform X2
XP_005972030.1	zinc finger SWIM domain-containing protein 6
XP_006626879.1	zinc finger SWIM domain-containing protein 6-like isoform X2
NP_001077009.1	zinc finger SWIM domain-containing protein 7
XP_002935813.2	zinc finger SWIM domain-containing protein 8
XP_004084390.1	zinc finger SWIM domain-containing protein KIAA0913-like
NP_001171405.1	zinc finger transcription factor Trps1

XP_005167419.1 zinc finger transcription factor Trps1-like, partial
 XP_005158411.1 zinc finger with UFM1-specific peptidase domain isoform X3
 XP_688842.3 zinc finger X-chromosomal protein
 XP_005170866.1 zinc finger Y-chromosomal protein 1-like isoform X2
 XP_001922332.3 zinc finger ZZ-type and EF-hand domain-containing protein 1
 XP_005463074.1 zinc finger ZZ-type and EF-hand domain-containing protein 1-like
 XP_002720102.1 zinc finger, C4H2 domain containing-like
 NP_001008650.2 zinc finger, DHHC-type containing 13
 NP_999872.1 zinc finger, DHHC-type containing 18
 XP_005158416.1 zinc finger, DHHC-type containing 18a isoform X1
 XP_005158266.1 zinc finger, DHHC-type containing 3 isoform X1
 XP_005160301.1 zinc finger, DHHC-type containing 5a isoform X1
 XP_005160303.1 zinc finger, DHHC-type containing 5a isoform X3
 NP_001191086.1 zinc finger, DHHC-type containing 6
 XP_005157097.1 zinc finger, FYVE domain containing 21 isoform X1
 XP_005160234.1 zinc finger, FYVE domain containing 27 isoform X1
 NP_001139179.1 zinc finger, SWIM-type containing 8
 XP_006636015.1 zinc fingers and homeoboxes protein 1-like isoform X1
 NP_942109.2 zinc fingers and homeoboxes protein 2
 XP_005750372.1 zinc fingers and homeoboxes protein 2-like isoform X1
 NP_942108.1 zinc fingers and homeoboxes protein 3
 XP_003369062.1 zinc knuckle protein
 XP_005160488.1 zinc transporter 1 isoform X1
 NP_001121706.1 zinc transporter 10
 XP_006626177.1 zinc transporter 10-like
 XP_006625927.1 zinc transporter 1-like
 XP_001341989.1 zinc transporter 1-like isoform X1
 XP_005160886.1 zinc transporter 2 isoform X1
 NP_956937.1 zinc transporter 4
 XP_005301082.1 zinc transporter 5
 ERE68554.1 zinc transporter 6
 XP_004570711.1 zinc transporter 6-like
 XP_005937098.1 zinc transporter 6-like isoform X2
 XP_005734324.1 zinc transporter 7-like isoform X5
 XP_689129.4 zinc transporter 8-like
 NP_001008575.1 zinc transporter 9
 AAV86134.1 zinc transporter ke4
 XP_005167603.1 zinc transporter ZIP10 isoform X1
 XP_690258.2 zinc transporter ZIP10 isoform X3
 XP_006636506.1 zinc transporter ZIP10-like
 XP_005450514.1 zinc transporter ZIP10-like isoform X1
 XP_003913406.1 zinc transporter ZIP11-like
 CBN82065.1 Zinc transporter ZIP12
 XP_005449003.1 zinc transporter ZIP12-like isoform X1
 NP_001005306.3 zinc transporter ZIP13
 XP_005813297.1 zinc transporter ZIP14-like
 XP_001340102.4 zinc transporter ZIP14-like isoform X1
 XP_006639837.1 zinc transporter ZIP3-like
 XP_005173778.1 zinc transporter ZIP4-like
 NP_001001591.1 zinc transporter ZIP6
 NP_001187360.1 zinc transporter zip9
 XP_003976270.1 zinc transporter ZIP9-like
 XP_005164317.1 zinc-activated ligand-gated ion channel-like
 XP_004086709.1 zinc-binding alcohol dehydrogenase domain-containing protein 2-like
 XP_005173808.1 zinc-binding protein A33 isoform X1
 XP_005173809.1 zinc-binding protein A33 isoform X2
 XP_003198215.2 zinc-binding protein A33-like
 XP_003451912.1 zinc-binding protein A33-like isoform X1
 A0MS83.2 ZN148_DANRE RecName: Full=Zinc finger protein 148; AltName: Full=Transcription factor ZBP-89;
 AltName: Full=Zinc finger DNA-binding protein 89
 AA163289.1 Zn148 protein
 AAH55386.1 Znf622 protein
 A5WWA0.2 ZNRF3_DANRE RecName: Full=E3 ubiquitin-protein ligase ZNRF3; AltName: Full=Zinc/RING
 finger protein 3; Flags: Precursor
 AGK38253.1 zona pellucida 3
 XP_006802845.1 zona pellucida sperm-binding protein 3-like
 XP_002667644.3 zona pellucida sperm-binding protein 4-like
 XP_002667333.2 zona pellucida sperm-binding protein 4-like, partial
 XP_696211.3 zona pellucida-like domain-containing protein 1-like
 XP_004457235.1 zonadhesin
 XP_006627382.1 zonadhesin-like
 AA152496.1 Zp3a.2 protein
 ABY81290.1 ZPCS5
 AEH22105.1 zpd11
 AAH78216.2 Zranb3 protein
 XP_001340467.2 ZW10 interactor
 NP_919362.2 zygote arrest protein 1
 NP_001167223.1 Zygotic DNA replication licensing factor mcm6-B
 XP_005157982.1 zyxin isoform X1

XP_004078747.1

ZZ-type zinc finger-containing protein 3-like

Supplemental table 3. Zebrafish specific genes compared to cavefish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000015747	ENSDARP00000011878	alanyl-tRNA synthetase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040801-91]	aarsd1
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000074667	ENSDARP00000098444	AKT1 substrate 1 (proline-rich) [Source:ZFIN;Acc:ZDB-GENE-030131-482]	akt1s1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q192]	AL929220.1
ENSDARG00000074684	ENSDARP00000088599	malate synthase-like (LOC564844), mRNA [Source:RefSeq mRNA;Acc:NM_001201408]	AL929007.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9V5]	AL929220.1
ENSDARG00000086827	ENSDARP00000109924	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCH2]	AL929327.1
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2K1]	AL929520.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000087367	ENSDARP00000106264	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDP5]	AL953847.1
ENSDARG00000078442	ENSDARP00000104423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZJ0]	AL954696.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000021293	ENSDARP00000011842	amidohydrolase domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1871]	amdhd2
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000092155	ENSDARP00000112765	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSDARG00000011553	ENSDARP00000002747	ATP synthase, H+ transporting, mitochondrial FO complex, subunit b, isoform 1 [Source:ZFIN;Acc:ZDB-GENE-041010-33]	atp5f1
ENSDARG00000042997	ENSDARP00000063130	5-azacytidine induced 2 [Source:ZFIN;Acc:ZDB-GENE-040426-2097]	azi2
ENSDARG00000093569	ENSDARP00000114526	branched chain keto acid dehydrogenase E1, beta polypeptide, like [Source:ZFIN;Acc:ZDB-GENE-060830-1]	bctkdhbl
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000068828	ENSDARP00000090450	biogenesis of lysosomal organelles complex-1, subunit 3 [Source:ZFIN;Acc:ZDB-GENE-050913-10]	bloc1s3
ENSDARG00000042933	ENSDARP00000122569	biogenesis of lysosomal organelles complex-1, subunit 6, pallidin [Source:ZFIN;Acc:ZDB-GENE-070112-1862]	bloc1s6
ENSDARG00000062585	ENSDARP00000085122	BRCA1-associated ATM activator 1 [Source:ZFIN;Acc:ZDB-GENE-060421-6989]	brat1
ENSDARG00000086332	ENSDARP00000108026	brain protein i3 [Source:ZFIN;Acc:ZDB-GENE-030131-3038]	bri3
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBI7]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000055446	ENSDARP00000072273	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Y4]	BX004983.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000086468	ENSDARP00000107283	chemokine CCL-CUe (LOC100000741), mRNA [Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QVA5]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY53]	BX088712.2
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F755]	BX248120.1
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA [Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB66]	BX465187.1
ENSDARG00000090265	ENSDARP00000104527	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ10]	BX465203.3
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000089019	ENSDARP00000111328	uncharacterized LOC568697 (LOC568697), mRNA [Source:RefSeq mRNA;Acc:NM_001198864]	BX470131.2
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000091334	ENSDARP00000107124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F011]	BX511252.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZD7]	BX530062.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTU8]	BX572078.1
ENSDARG00000086783	ENSDARP00000109419	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY57]	BX640547.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE2E]	BX901974.1

ENSDARG00000071141	ENSDARP00000095738	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8R2]	BX927308.2
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP0000011181	BX936364.1	BX936364.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000076890	ENSDARP00000100958	chromosome 19 open reading frame 25 [Source:HGNC Symbol;Acc:HGNC:26711]	C11H1orf25
ENSDARG00000053520	ENSDARP00000063437	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C12H7orf62
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14Hxorf65
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG0000009253	ENSDARP00000003814	chromosome 14 open reading frame 166 [Source:HGNC Symbol;Acc:HGNC:23169]	C17H14orf166
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000090951	ENSDARP00000110613	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	C19H1orf216
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000037245	ENSDARP00000126922	chromosome 9 open reading frame 156 [Source:HGNC Symbol;Acc:HGNC:30967]	C19H9orf156
ENSDARG00000044480	ENSDARP00000065317	chromosome X open reading frame 40A [Source:HGNC Symbol;Acc:HGNC:28089]	C21Hxorf40A
ENSDARG00000071439	ENSDARP00000096390	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]	C22H1orf53
ENSDARG00000089303	ENSDARP00000104692	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:1174]	C25H11orf24
ENSDARG00000097208	ENSDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSDARG00000075345	ENSDARP00000102869	chromosome 16 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:28687]	C3H16orf89
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000073963	ENSDARP00000097696	chromosome 12 open reading frame 56 [Source:HGNC Symbol;Acc:HGNC:26967]	C4H12orf56
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG00000059636	ENSDARP00000077509	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C5H2orf42
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9
ENSDARG00000039477	ENSDARP00000057676	chromosome 15 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28520]	C7H15orf43
ENSDARG00000069671	ENSDARP00000092338	chromosome 2 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:26198]	C9H2orf47
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY7]	CABZ01002339.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOX2]	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXCO]	CABZ01029900.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYM4]	CABZ01029902.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9YU6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCQ7]	CABZ01031933.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA [Source:RefSeq mRNA;Acc:NM_001172308]	CABZ01040055.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1	CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000086420	ENSDARP00000107384	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4C8]	CABZ01046949.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY6P]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYX4]	CABZ01049025.1
ENSDARG00000087000	ENSDARP00000109135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0S7]	CABZ01052486.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR51]	CABZ01053196.1
ENSDARG00000086777	ENSDARP00000106169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYE2]	CABZ01055170.1
ENSDARG00000089832	ENSDARP00000109479	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHI4]	CABZ01056274.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086267	ENSDARP00000111718	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYU4]	CABZ01063556.1
ENSDARG00000089125	ENSDARP00000110886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F68J]	CABZ01064012.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000091527	ENSDARP00000105345	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFA7]	CABZ01068153.1
ENSDARG00000067814	ENSDARP00000088453	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9H9]	CABZ01069745.1
ENSDARG00000075662	ENSDARP00000103795	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6P2]	CABZ01071283.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD5F]	CABZ01071911.1
ENSDARG00000087627	ENSDARP00000106198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE48]	CABZ01072159.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1

ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP0000011886	CABZ01073405.1	CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW4M]	CABZ01074659.1
ENSDARG00000071028	ENSDARP00000095531	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLG3]	CABZ01074669.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GQX1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000090801	ENSDARP0000011828	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QGP0]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R93]	CABZ01079258.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079388.1
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL4]	CABZ01079490.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GVJ8]	CABZ01079804.1
ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYX7]	CABZ01079804.2
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000087802	ENSDARP00000108867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7FGA9]	CABZ01080590.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GVY7]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GVY3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FESS]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZ4]	CABZ01118004.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG0000003872	ENSDARP00000106347	coiled-coil domain containing 102A [Source:ZFIN;Acc:ZDB-GENE-030131-4044]	ccdc102a
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000089570	ENSDARP00000122848	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:27945]	CCDC36
ENSDARG00000035963	ENSDARP00000052200	coiled-coil domain containing 96 [Source:ZFIN;Acc:ZDB-GENE-081022-156]	ccdc96
ENSDARG00000085770	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cd1
ENSDARG00000094511	ENSDARP00000122800	chemokine (C-C motif) ligand 20 [Source:ZFIN;Acc:ZDB-GENE-091204-95]	cd20
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000087319	ENSDARP00000112366	cat eye syndrome chromosome region, candidate 6 [Source:HGNC Symbol;Acc:HGNC:1844]	CECR6
ENSDARG00000088924	ENSDARP00000106330	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	CENPU
ENSDARG00000079679	ENSDARP00000098101	centrosomal protein 112 [Source:ZFIN;Acc:ZDB-GENE-120104-2]	cep112
ENSDARG00000062898	ENSDARP00000085882	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSDARG00000075444	ENSDARP00000100971	cell growth regulator with EF-hand domain 1 [Source:HGNC Symbol;Acc:HGNC:16962]	CGREF1
ENSDARG00000010831	ENSDARP00000022916	churchill domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-041001-150]	churc1
ENSDARG00000042996	ENSDARP00000063128	COX assembly mitochondrial protein 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-2626]	cmc1
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000033345	ENSDARP00000044233	centlein, centrosomal protein [Source:ZFIN;Acc:ZDB-GENE-090313-409]	cntln
ENSDARG00000054264	ENSDARP00000070899	component of oligomeric golgi complex 4 [Source:ZFIN;Acc:ZDB-GENE-060312-33]	cog4
ENSDARG00000079173	ENSDARP00000017850	COP9 signalosome subunit 6 [Source:HGNC Symbol;Acc:HGNC:21749]	COP56
ENSDARG00000053382	ENSDARP00000069896	cytochrome c oxidase, subunit VIc [Source:ZFIN;Acc:ZDB-GENE-030131-8062]	cox7c
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSDARG00000097209	ENSDARP00000128720	cytochrome c oxidase subunit 8b [Source:ZFIN;Acc:ZDB-GENE-110620-4]	cox8b
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK1]	cpn1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000090427	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1

ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000088299	ENSDARP00000105942	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3G0]	CR388002.2
ENSDARG00000089959	ENSDARP0000011819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000078099	ENSDARP00000102776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QDK0]	CR391991.1
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIH2]	CR450701.1
ENSDARG00000079337	ENSDARP00000100718	chemokine CCL-CUJ (LOC100216314), mRNA	[Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000088771	ENSDARP0000011766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI54]	CR548627.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1		CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000074973	ENSDARP00000101053	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0D0]	CR788254.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000091443	ENSDARP00000110763	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT15]	CR792453.3
ENSDARG00000089064	ENSDARP00000105977	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D8]	CR848728.2
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000087589	ENSDARP00000105931	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3G4]	CR855327.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000076494	ENSDARP00000094400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFR6]	CR931813.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA	[Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2	[Source:ZFIN;Acc:ZDB-GENE-040718-456]	creb12
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA	[Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000076932	ENSDARP00000103613	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q804]	CT025934.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N5]	CT027754.1
ENSDARG00000071733	ENSDARP00000097063	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8Q9]	CT030204.3
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000080609	ENSDARP00000081806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F511]	CT827808.2
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RD89]	CT963086.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000086889	ENSDARP00000107805	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5E0]	CU464087.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.1
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC10000433 (LOC10000433), mRNA	[Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3		CU633479.3
ENSDARG00000086704	ENSDARP00000107408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3T2]	CU638740.3
ENSDARG00000087220	ENSDARP00000108084	CU681842.1		CU681842.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000043018	ENSDARP00000063158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEI7]	CU694233.1
ENSDARG00000087038	ENSDARP00000111796	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYM1]	CU694254.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDARG00000089683	ENSDARP00000108574	CU914164.1		CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA	[Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000003382	ENSDARP00000091697	CWC25 spliceosome-associated protein homolog (S. cerevisiae)	[Source:ZFIN;Acc:ZDB-GENE-040426-2817]	cwc25
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c	[Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c

ENSDARG00000076937	ENSDARP00000100334	chromosome 14 open reading frame 28 [Source:HGNC Symbol;Acc:HGNC:19834]	C2v9_NA429H14orf28
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicip1.1
ENSDARG00000075848	ENSDARP00000102438	diverse immunoglobulin domain-containing protein 3.1 [Source:ZFIN;Acc:ZDB-GENE-120306-18]	dicip3.1
ENSDARG00000087706	ENSDARP00000127641	diverse immunoglobulin domain-containing protein 3.3 [Source:ZFIN;Acc:ZDB-GENE-120306-20]	dicip3.3
ENSDARG00000021895	ENSDARP00000035679	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSDARG00000063415	ENSDARP00000087075	Dmx-like 1 [Source:HGNC Symbol;Acc:HGNC:2937]	DMXL1
ENSDARG00000092825	ENSDARP00000129539	EF-hand calcium binding domain 10 [Source:HGNC Symbol;Acc:HGNC:34531]	EFCAB10
ENSDARG00000045095	ENSDARP00000066306	elaC homolog 1 (E. coli) [Source:ZFIN;Acc:ZDB-GENE-040801-246]	elac1
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000060445	ENSDARP00000079599	elongator acetyltransferase complex subunit 6 [Source:ZFIN;Acc:ZDB-GENE-060825-249]	elp6
ENSDARG00000031248	ENSDARP00000042477	enkurin, TRPC channel interacting protein [Source:ZFIN;Acc:ZDB-GENE-070718-1]	enkur
ENSDARG00000013863	ENSDARP00000083980	family with sequence similarity 133, member B [Source:ZFIN;Acc:ZDB-GENE-060503-229]	fam133b
ENSDARG00000042936	ENSDARP00000063033	family with sequence similarity 228, member A [Source:ZFIN;Acc:ZDB-GENE-041014-83]	fam228a
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000053912	ENSDARP00000070509	fibrillarlin [Source:ZFIN;Acc:ZDB-GENE-040426-1936]	fb1
ENSDARG00000086184	ENSDARP00000129519	F-box protein 48 [Source:HGNC Symbol;Acc:HGNC:33857]	FBXO48
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ43]	FP245472.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000074356	ENSDARP00000115873	frataxin [Source:ZFIN;Acc:ZDB-GENE-070209-286]	fxn
ENSDARG00000095094	ENSDARP00000120484	FXVD domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fxyd6
ENSDARG00000090750	ENSDARP00000127704	FXVD domain containing ion transport regulator 6 like [Source:ZFIN;Acc:ZDB-GENE-071205-8]	fxyd6l
ENSDARG0000002986	ENSDARP00000010155	guanine deaminase [Source:ZFIN;Acc:ZDB-GENE-050522-434]	gda
ENSDARG00000038847	ENSDARP00000056722	GINS complex subunit 3 [Source:ZFIN;Acc:ZDB-GENE-040721-1]	gins3
ENSDARG00000037634	ENSDARP00000054813	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase [Source:ZFIN;Acc:ZDB-GENE-040426-1848]	gne
ENSDARG00000056214	ENSDARP00000073133	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSDARG00000052747	ENSDARP00000077969	G patch domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070112-902]	gpatch3
ENSDARG00000038700	ENSDARP00000056518	G protein-coupled receptor 160 [Source:ZFIN;Acc:ZDB-GENE-081022-189]	gpr160
ENSDARG00000038099	ENSDARP00000055540	gsk3b interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-2777]	gskip
ENSDARG00000092074	ENSDARP00000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000090753	ENSDARP00000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000087842	ENSDARP00000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSDARG00000027749	ENSDARP00000029816	HIRA interacting protein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-5753]	hirip3
ENSDARG00000038408	ENSDARP00000056045	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmgaa2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmgna2
ENSDARG00000095807	ENSDARP00000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG0000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000043934	ENSDARP00000064512	interleukin 17a/f2 [Source:ZFIN;Acc:ZDB-GENE-061031-2]	il17a/f2
ENSDARG0000005419	ENSDARP00000002293	interleukin 1, beta [Source:ZFIN;Acc:ZDB-GENE-040702-2]	il1b
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000039070	ENSDARP00000057052	im:7138239 [Source:ZFIN;Acc:ZDB-GENE-081007-2]	im:7138239
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000089930	ENSDARP00000111024	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSDARG00000068257	ENSDARP00000089392	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077985	ENSDARP00000098871	kisspeptin 2 [Source:ZFIN;Acc:ZDB-GENE-090526-1]	kiss2
ENSDARG00000077721	ENSDARP00000112564	lysine-rich nucleolar protein 1 [Source:ZFIN;Acc:ZDB-GENE-090313-76]	knop1
ENSDARG00000094801	ENSDARP00000117579	l(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	l3mbt1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep

ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	Ita
ENSDARG00000043102	ENSDARP00000128950	latexin [Source:ZFIN;Acc:ZDB-GENE-041212-18]	lxn
ENSDARG00000078352	ENSDARP00000103510	LYR motif containing 4 [Source:ZFIN;Acc:ZDB-GENE-081104-295]	lyrm4
ENSDARG00000089413	ENSDARP00000109522	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSDARG00000014148	ENSDARP00000111825	mediator complex subunit 22 [Source:ZFIN;Acc:ZDB-GENE-040625-156]	med22
ENSDARG00000037410	ENSDARP00000054441	mediator complex subunit 28 [Source:ZFIN;Acc:ZDB-GENE-041121-4]	med28
ENSDARG00000090972	ENSDARP00000106498	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSDARG00000059367	ENSDARP00000076906	microfibrillar-associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-6710]	mfap2
ENSDARG00000090560	ENSDARP00000123341	microfibrillar associated protein 5 [Source:ZFIN;Acc:ZDB-GENE-100922-279]	mfap5
ENSDARG00000086189	ENSDARP00000124104	matrix Gla protein [Source:ZFIN;Acc:ZDB-GENE-060928-1]	mgp
ENSDARG00000035333	ENSDARP00000051197	MIS18 kinetochore protein homolog A (S. pombe) [Source:ZFIN;Acc:ZDB-GENE-091204-314]	mis18a
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000060383	ENSDARP00000079456	methylmalonic aciduria (cobalamin deficiency) cblA type [Source:ZFIN;Acc:ZDB-GENE-070928-15]	mmaa
ENSDARG00000079091	ENSDARP00000100055	M-phase phosphoprotein 9 [Source:HGNC Symbol;Acc:HGNC:7215]	MPHOSPH9
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000068305	ENSDARP00000089506	mitochondrial ribosomal protein S14 [Source:ZFIN;Acc:ZDB-GENE-060825-75]	mrps14
ENSDARG00000024465	ENSDARP00000037794	mitochondrial ribosomal protein S18A [Source:ZFIN;Acc:ZDB-GENE-041210-109]	mrps18a
ENSDARG00000057855	ENSDARP00000075056	mitochondrial ribosomal protein S31 [Source:ZFIN;Acc:ZDB-GENE-030131-3715]	mrps31
ENSDARG00000063911	ENSDARP00000087874	ATP synthase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-18]	mt-atp6
ENSDARG00000063910	ENSDARP00000087873	ATP synthase 8, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-19]	mt-atp8
ENSDARG00000063905	ENSDARP00000087871	cytochrome c oxidase I, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-14]	mt-co1
ENSDARG00000063908	ENSDARP00000087872	cytochrome c oxidase II, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-15]	mt-co2
ENSDARG00000063912	ENSDARP00000087875	cytochrome c oxidase III, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-16]	mt-co3
ENSDARG00000063924	ENSDARP00000087881	cytochrome b, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-17]	mt-cyb
ENSDARG00000063895	ENSDARP00000087869	NADH dehydrogenase 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-7]	mt-nd1
ENSDARG00000063899	ENSDARP00000087870	NADH dehydrogenase 2, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-8]	mt-nd2
ENSDARG00000063914	ENSDARP00000087876	NADH dehydrogenase 3, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-9]	mt-nd3
ENSDARG00000063917	ENSDARP00000087878	NADH dehydrogenase 4, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-10]	mt-nd4
ENSDARG00000063916	ENSDARP00000087877	NADH dehydrogenase 4L, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-11]	mt-nd4l
ENSDARG00000063921	ENSDARP00000087879	NADH dehydrogenase 5, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-12]	mt-nd5
ENSDARG00000063922	ENSDARP00000087880	NADH dehydrogenase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-13]	mt-nd6
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvdb
ENSDARG00000091001	ENSDARP00000106394	c-myc binding protein [Source:ZFIN;Acc:ZDB-GENE-060331-97]	mycbp
ENSDARG00000096668	ENSDARP00000126983	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:HGNC:33830]	MZT1
ENSDARG0000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000068590	ENSDARP00000101635	N-acetyltransferase 6 (GCNS-related) [Source:HGNC Symbol;Acc:HGNC:30252]	NAT6
ENSDARG00000073668	ENSDARP00000100497	nicastatin [Source:ZFIN;Acc:ZDB-GENE-050131-1]	ncstn
ENSDARG00000028889	ENSDARP00000041841	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10 [Source:ZFIN;Acc:ZDB-GENE-040426-1691]	ndufb10
ENSDARG00000036743	ENSDARP00000067958	Novel immune-type receptor 7b; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q5YB50]	NITR7B
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkdl3
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000089426	ENSDARP00000107682	NOP10 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-041007-4]	nop10
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000078828	ENSDARP00000100410	neuropeptide B [Source:ZFIN;Acc:ZDB-GENE-040107-40]	npb
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000046061	ENSDARP00000067719	nucleoporin 85 [Source:ZFIN;Acc:ZDB-GENE-040801-145]	nup85
ENSDARG00000001721	ENSDARP00000089075	otoconin 90 [Source:ZFIN;Acc:ZDB-GENE-070912-300]	oc90
ENSDARG00000074476	ENSDARP00000112800	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSDARG00000057923	ENSDARP00000105082	opioid growth factor receptor-like 2 [Source:ZFIN;Acc:ZDB-GENE-030616-523]	ogfrl2
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000091429	ENSDARP00000127114	oxidoreductase-like domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-130603-23]	oxld1
ENSDARG00000071215	ENSDARP00000062739	paralemmin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSDARG00000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000061228	ENSDARP00000127813	prefoldin subunit 4 [Source:ZFIN;Acc:ZDB-GENE-100922-122]	pfnd4
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000062998	ENSDARP00000124361	peptidoglycan recognition protein 2 [Source:ZFIN;Acc:ZDB-GENE-071227-1]	pglyrp2
ENSDARG00000068382	ENSDARP00000064847	peptidoglycan recognition protein 5 [Source:ZFIN;Acc:ZDB-GENE-050419-71]	pglyrp5
ENSDARG00000015626	ENSDARP00000095570	peptidoglycan recognition protein 6 [Source:ZFIN;Acc:ZDB-GENE-071227-2]	pglyrp6
ENSDARG00000054666	ENSDARP00000071365	pyroglutamyl-peptidase I [Source:ZFIN;Acc:ZDB-GENE-050522-88]	pgpep1
ENSDARG00000041092	ENSDARP00000115856	pyroglutamyl-peptidase I-like [Source:ZFIN;Acc:ZDB-GENE-050419-171]	pgpep1l
ENSDARG00000055591	ENSDARP00000072446	pipecolic acid oxidase [Source:ZFIN;Acc:ZDB-GENE-110627-2]	pipox
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000086471	ENSDARP00000107936	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Source:ZFIN;Acc:ZDB-GENE-050302-97]	pkig
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG0000002232	ENSDARP00000038241	peter pan homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030114-4]	ppan
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000089183	ENSDARP00000128565	protein phosphatase 1, regulatory subunit 32 [Source:ZFIN;Acc:ZDB-GENE-120913-1]	ppp1r32
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000033273	ENSDARP00000022890	primase and polymerase (DNA-directed) [Source:ZFIN;Acc:ZDB-GENE-051113-100]	primpol
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000089232	ENSDARP00000109509	proline rich 14 [Source:ZFIN;Acc:ZDB-GENE-030131-3785]	prl14
ENSDARG00000093738	ENSDARP00000118323	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSDARG00000091961	ENSDARP00000118249	parathyroid hormone 1b [Source:ZFIN;Acc:ZDB-GENE-040623-2]	pth1b
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000016122	ENSDARP00000022446	peptidyl-tRNA hydrolase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-081110-2]	ptrhd1

ENSDARG00000045773	ENSDARP00000067289	PIGY upstream reading frame [Source:HGNC Symbol;Acc:HGNC:44317]	PYURF
ENSDARG00000094896	ENSDARP00000113002	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:27223]	RBM33
ENSDARG00000069758	ENSDARP00000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000069260	ENSDARP00000091417	REC8 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-060421-4898]	rec8b
ENSDARG00000092463	ENSDARP00000113874	rhomboid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhhbd2
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rltgr
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000011152	ENSDARP0000016855	ribonuclease P 14 subunit [Source:ZFIN;Acc:ZDB-GENE-050522-182]	rpp14
ENSDARG00000043470	ENSDARP00000063822	radial spoke head 3 homolog (Chlamydomonas) [Source:ZFIN;Acc:ZDB-GENE-040724-173]	rsp3
ENSDARG00000033987	ENSDARP00000049889	arginine/serine-rich coiled-coil 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2374]	rsrc1
ENSDARG00000092328	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000045999	ENSDARP00000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	saa
ENSDARG00000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000076148	ENSDARP00000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000024717	ENSDARP00000116604	selenium binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1436]	selenbp1
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb	sema4gb
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000021107	ENSDARP00000038884	splicing factor 3a, subunit 2 [Source:ZFIN;Acc:ZDB-GENE-040426-897]	sf3a2
ENSDARG00000053992	ENSDARP00000129049	Sfi1 homolog, spindle assembly associated (yeast) [Source:ZFIN;Acc:ZDB-GENE-080206-4]	sf11
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143l10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143l10.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270l17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270l17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-40]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000097069	ENSDARP00000127597	si:ch1073-456g16.1 [Source:ZFIN;Acc:ZDB-GENE-131127-434]	si:ch1073-456g16.1
ENSDARG00000097938	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000093821	ENSDARP00000112784	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117l17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117l17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122l14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122l14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122l14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122l14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122l14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122l14.6
ENSDARG00000087004	ENSDARP00000109898	si:ch211-122l24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122l24.4
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122l24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122l24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000040250	ENSDARP00000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000098477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-469]	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6

ENSARDG00000095593	ENSARDP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSARDG00000093509	ENSARDP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSARDG00000088867	ENSARDP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSARDG00000088189	ENSARDP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSARDG00000094537	ENSARDP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSARDG00000097372	ENSARDP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSARDG00000093074	ENSARDP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSARDG00000097668	ENSARDP00000128188	si:ch211-139l2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139l2.1
ENSARDG00000093816	ENSARDP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSARDG00000096177	ENSARDP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSARDG00000093216	ENSARDP00000118913	si:ch211-146l10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146l10.7
ENSARDG00000095457	ENSARDP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSARDG00000095911	ENSARDP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSARDG00000088493	ENSARDP00000112081	si:ch211-149k12.3 [Source:ZFIN;Acc:ZDB-GENE-131127-504]	si:ch211-149k12.3
ENSARDG00000097936	ENSARDP00000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSARDG00000095420	ENSARDP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSARDG00000093457	ENSARDP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSARDG00000076534	ENSARDP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-583]	si:ch211-14a17.10
ENSARDG00000094522	ENSARDP00000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSARDG00000097323	ENSARDP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSARDG00000068250	ENSARDP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSARDG00000097563	ENSARDP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSARDG00000045898	ENSARDP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSARDG00000074024	ENSARDP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSARDG00000094519	ENSARDP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSARDG00000095612	ENSARDP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSARDG00000074359	ENSARDP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSARDG00000096834	ENSARDP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSARDG00000096567	ENSARDP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSARDG00000092035	ENSARDP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSARDG00000093048	ENSARDP00000122642	si:ch211-158d24.4 [Source:ZFIN;Acc:ZDB-GENE-081104-141]	si:ch211-158d24.4
ENSARDG00000097930	ENSARDP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSARDG00000097407	ENSARDP00000128768	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSARDG00000096384	ENSARDP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSARDG00000095555	ENSARDP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSARDG00000095327	ENSARDP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSARDG00000095370	ENSARDP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSARDG00000095469	ENSARDP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSARDG00000094276	ENSARDP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSARDG00000095504	ENSARDP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSARDG00000097770	ENSARDP00000128771	si:ch211-167j9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-196]	si:ch211-167j9.4
ENSARDG00000096809	ENSARDP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSARDG00000097524	ENSARDP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSARDG00000094887	ENSARDP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSARDG00000094794	ENSARDP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSARDG00000088408	ENSARDP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSARDG00000063873	ENSARDP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSARDG00000096522	ENSARDP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSARDG00000097203	ENSARDP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4
ENSARDG00000096024	ENSARDP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSARDG00000096902	ENSARDP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSARDG00000095756	ENSARDP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSARDG00000094059	ENSARDP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSARDG00000096966	ENSARDP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSARDG00000097325	ENSARDP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSARDG00000096711	ENSARDP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSARDG00000093337	ENSARDP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSARDG00000094197	ENSARDP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSARDG00000096451	ENSARDP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSARDG00000096014	ENSARDP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSARDG00000095533	ENSARDP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSARDG00000093192	ENSARDP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSARDG00000068098	ENSARDP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSARDG00000097765	ENSARDP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSARDG00000092310	ENSARDP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSARDG00000076609	ENSARDP00000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSARDG00000092029	ENSARDP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSARDG00000094126	ENSARDP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSARDG00000078138	ENSARDP00000100828	si:ch211-202h22.8 [Source:ZFIN;Acc:ZDB-GENE-090313-78]	si:ch211-202h22.8
ENSARDG00000094491	ENSARDP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSARDG00000097941	ENSARDP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSARDG00000094805	ENSARDP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSARDG00000095607	ENSARDP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSARDG00000096431	ENSARDP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSARDG00000096438	ENSARDP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSARDG00000097483	ENSARDP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSARDG00000096037	ENSARDP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-126]	si:ch211-214j24.14
ENSARDG00000092556	ENSARDP00000122372	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-202]	si:ch211-214j8.12
ENSARDG00000091411	ENSARDP00000106310	si:ch211-214p13.9 [Source:ZFIN;Acc:ZDB-GENE-060503-213]	si:ch211-214p13.9

ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000097680	ENSDARP00000128702	si:ch211-241f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-563]	si:ch211-241f5.3
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-443]	si:ch211-244k5.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000088736	ENSDARP00000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-2]	si:ch211-250n8.1
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000097032	ENSDARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000097284	ENSDARP00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG000000957903	ENSDARP00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000097855	ENSDARP00000128446	si:ch211-303.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12]	si:ch211-303.9
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000097600	ENSDARP00000128731	si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531]	si:ch211-66h3.4
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7

ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000079175	ENSDARP00000103653	si:ch211-79k12.1 [Source:ZFIN;Acc:ZDB-GENE-080303-9]	si:ch211-79k12.1
ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000096629	ENSDARP00000126708	si:ch73-132f6.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9581]	si:ch73-132f6.5
ENSDARG00000095867	ENSDARP00000123979	si:ch73-132k15.2 [Source:ZFIN;Acc:ZDB-GENE-110411-191]	si:ch73-132k15.2
ENSDARG00000097804	ENSDARP00000129351	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131121-361]	si:ch73-156o22.2
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-30l9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-30l9.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-227]	si:ch73-338a16.3
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106l3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106l3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114i24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114i24.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000095263	ENSDARP00000114758	si:dkey-145c18.4 [Source:ZFIN;Acc:ZDB-GENE-081104-309]	si:dkey-145c18.4
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13

ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000079307	ENSDARP00000107013	si:dkey-205h13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-227]	si:dkey-205h13.1
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092044	ENSDARP00000115590	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-221i6.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-221i6.3

ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000096537	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000069189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000032993	ENSDARP00000041769	si:dkey-25o1.9 [Source:ZFIN;Acc:ZDB-GENE-130603-64]	si:dkey-25o1.9
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000094345	ENSDARP00000114878	si:dkey-261i7.2 [Source:ZFIN;Acc:ZDB-GENE-090313-288]	si:dkey-261i7.2
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000098938	ENSDARP00000112312	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG0000009524	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000087639	ENSDARP00000107382	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000068398	ENSDARP00000089681	si:dkey-3b8.4 [Source:ZFIN;Acc:ZDB-GENE-050419-24]	si:dkey-3b8.4
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3

ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000052912	ENSDARP00000127658	si:dkey-57n24.6 [Source:ZFIN;Acc:ZDB-GENE-130530-641]	si:dkey-57n24.6
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66l17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000090552	ENSDARP00000106870	si:dkey-7j14.6 [Source:ZFIN;Acc:ZDB-GENE-030131-8466]	si:dkey-7j14.6
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88i16.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093612	ENSDARP00000114776	si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759]	si:dkey-92i17.2
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-44]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000095407	ENSDARP00000117530	si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367]	si:dkey-9i23.8
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140]	si:dkeyp-100h4.8
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527]	si:dkeyp-106c3.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000075057	ENSDARP00000127737	si:dkeyp-33b5.4 [Source:ZFIN;Acc:ZDB-GENE-100618-4]	si:dkeyp-33b5.4
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5

ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000092369	ENSDARP00000117706	si:dkeyp-77c8.3 [Source:ZFIN;Acc:ZDB-GENE-090313-399]	si:dkeyp-77c8.3
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4 [Source:ZFIN;Acc:ZDB-GENE-090313-400]	si:dkeyp-77c8.4
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096463	ENSDARP00000126476	si:dkeyp-82h4.1 [Source:ZFIN;Acc:ZDB-GENE-120709-49]	si:dkeyp-82h4.1
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000097746	ENSDARP00000129247	si:rp71-771.1 [Source:ZFIN;Acc:ZDB-GENE-131121-141]	si:rp71-771.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000095540	ENSDARP00000115207	secreted immunoglobulin domain 1 [Source:ZFIN;Acc:ZDB-GENE-020620-1]	sid1
ENSDARG00000017163	ENSDARP00000019122	si:az-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000089127	ENSDARP00000106449	solute carrier family 39, member 11 [Source:HGNC Symbol;Acc:HGNC:14463]	SLC39A11
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000015158	ENSDARP00000025588	solute carrier family 50 (sugar transporter), member 1 [Source:ZFIN;Acc:ZDB-GENE-050220-11]	slc50a1
ENSDARG00000010596	ENSDARP00000020840	solute carrier family 7, member 6 opposite strand [Source:ZFIN;Acc:ZDB-GENE-041114-32]	slc7a6os
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000093069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000045302	ENSDARP00000066624	small muscle protein, X-linked [Source:ZFIN;Acc:ZDB-GENE-040704-24]	smxp
ENSDARG00000071237	ENSDARP00000110958	small nuclear RNA activating complex, polypeptide 3 [Source:ZFIN;Acc:ZDB-GENE-040426-971]	snape3
ENSDARG00000020363	ENSDARP00000006492	small nuclear ribonucleoprotein 25 [Source:ZFIN;Acc:ZDB-GENE-050417-179]	snrnp25
ENSDARG00000011125	ENSDARP00000023337	small nuclear ribonucleoprotein polypeptides B and B1 [Source:ZFIN;Acc:ZDB-GENE-040426-1819]	snrnp
ENSDARG00000096554	ENSDARP00000126902	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]	SPAG5
ENSDARG00000011555	ENSDARP00000015486	sperm associated antigen 7 [Source:ZFIN;Acc:ZDB-GENE-040426-1632]	spag7
ENSDARG00000091609	ENSDARP00000106946	serine peptidase inhibitor, kazal type 4 [Source:HGNC Symbol;Acc:HGNC:16646]	SPINK4
ENSDARG00000013837	ENSDARP00000002837	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-1900]	spo11
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000088875	ENSDARP00000005328	serine/threonine kinase 19 [Source:ZFIN;Acc:ZDB-GENE-000616-11]	stk19
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000061060	ENSDARP00000081101	sperm-tail PG-rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:28712]	STPG2
ENSDARG00000089291	ENSDARP00000109030	stimulated by retinoic acid 13 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-110411-78]	stra13
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000058375	ENSDARP00000075687	synaptonemal complex central element protein 2 [Source:ZFIN;Acc:ZDB-GENE-050512-1]	syce2
ENSDARG00000088950	ENSDARP00000114083	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngyr2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000096234	ENSDARP00000126245	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSDARG00000056550	ENSDARP00000073519	transport and golgi organization 2 homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-040808-42]	tango2
ENSDARG00000097980	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000044194	ENSDARP00000064887	T-cell leukemia translocation altered gene [Source:ZFIN;Acc:ZDB-GENE-040718-325]	tcta
ENSDARG00000089689	ENSDARP00000107795	testis expressed 26 [Source:ZFIN;Acc:ZDB-GENE-120410-5]	tex26
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000039583	ENSDARP00000057831	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000074371	ENSDARP00000103037	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSDARG00000080868	ENSDARP00000017350	translation machinery associated 16 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050522-20]	tma16
ENSDARG00000087687	ENSDARP00000105454	transmembrane protein 100 [Source:HGNC Symbol;Acc:HGNC:25607]	TMEM100
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-62]	tmem123
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154

ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem232
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem276
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000069332	ENSDARP00000103164	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSDARG00000042536	ENSDARP00000062374	transmembrane protein 81 [Source:HGNC Symbol;Acc:HGNC:32349]	TMEM81
ENSDARG00000069423	ENSDARP00000112089	transmembrane inner ear [Source:ZFIN;Acc:ZDB-GENE-061207-9]	tmie
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000069280	ENSDARP00000091469	tRNA splicing endonuclease 15 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041008-211]	tsen15
ENSDARG00000022160	ENSDARP00000084533	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSDARG00000052535	ENSDARP00000068895	UBX domain protein 10 [Source:ZFIN;Acc:ZDB-GENE-060825-319]	ubxn10
ENSDARG00000043857	ENSDARP00000064392	ubiquitin-fold modifier 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2930]	ufm1
ENSDARG00000069009	ENSDARP00000090818	novel gene	ENSDARG00000069009
ENSDARG00000090379	ENSDARP00000107875	novel gene	ENSDARG00000090379
ENSDARG00000089350	ENSDARP00000107965	novel gene	ENSDARG00000089350
ENSDARG00000091900	ENSDARP00000114807	novel gene	ENSDARG00000091900
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897
ENSDARG00000091198	ENSDARP00000120675	ubiquitin related modifier 1 [Source:ZFIN;Acc:ZDB-GENE-091204-300]	urm1
ENSDARG00000087925	ENSDARP00000109888	USO1 vesicle transport factor [Source:HGNC Symbol;Acc:HGNC:30904]	USO1
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000097995	ENSDARP00000100883	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSDARG00000053886	ENSDARP00000069897	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSDARG00000053554	ENSDARP00000070070	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSDARG00000087191	ENSDARP00000109913	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000039754	ENSDARP00000058099	xeroderma pigmentosum, complementation group C [Source:ZFIN;Acc:ZDB-GENE-030131-8461]	xpc
ENSDARG00000062651	ENSDARP00000085270	zinc finger, C3HC-type containing 1 [Source:ZFIN;Acc:ZDB-GENE-061013-94]	zc3hc1
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000071555	ENSDARP00000105913	zgc:153675 [Source:ZFIN;Acc:ZDB-GENE-061013-567]	zgc:153675
ENSDARG00000070042	ENSDARP00000093252	zgc:158257 [Source:ZFIN;Acc:ZDB-GENE-061215-142]	zgc:158257
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000071808	ENSDARP00000097252	zgc:158852 [Source:ZFIN;Acc:ZDB-GENE-070112-972]	zgc:158852
ENSDARG00000042620	ENSDARP00000062517	zgc:162356 [Source:ZFIN;Acc:ZDB-GENE-090507-1]	zgc:162356
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSDARG00000075731	ENSDARP00000126366	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000087933	ENSDARP00000105700	zgc:174972 [Source:ZFIN;Acc:ZDB-GENE-080219-6]	zgc:174972
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114

ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076264	ENSDARP00000103963	zgc:195170 [Source:ZFIN;Acc:ZDB-GENE-080723-62]	zgc:195170
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000033501	ENSDARP00000123517	zgc:64189 [Source:ZFIN;Acc:ZDB-GENE-040426-1397]	zgc:64189
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zglp1
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20

Supplemental table 4. Zebrafish specific genes compared to Atlantic cod

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000075299	ENSDARP00000104126	AhpC/TSA antioxidant enzyme domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16881]	AAED1
ENSDARG00000028435	ENSDARP00000036675	adipogenesis associated, Mth938 domain containing [Source:ZFIN;Acc:ZDB-GENE-050522-64]	aamdc
ENSDARG00000038583	ENSDARP00000056324	actin-binding Rho activating protein a [Source:ZFIN;Acc:ZDB-GENE-120730-1]	abraa
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000020448	ENSDARP00000025996	acireductone dioxygenase 1 [Source:ZFIN;Acc:ZDB-GENE-030131-2799]	adi1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000086114	ENSDARP00000109901	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	ADTRP
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000077082	ENSDARP00000104107	angiotensin II receptor-associated protein [Source:ZFIN;Acc:ZDB-GENE-050309-11]	agtrap
ENSDARG00000093453	ENSDARP00000125812	AT hook, DNA binding motif, containing 1 [Source:ZFIN;Acc:ZDB-GENE-060503-584]	ahdc1
ENSDARG00000091792	ENSDARP00000110410	A kinase (PRKA) anchor protein (gravin) 12a [Source:ZFIN;Acc:ZDB-GENE-110310-3]	akap12a
ENSDARG00000055678	ENSDARP00000103304	A kinase (PRKA) anchor protein (gravin) 12b [Source:ZFIN;Acc:ZDB-GENE-030131-9753]	akap12b
ENSDARG00000069037	ENSDARP00000090899	A kinase (PRKA) interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1170]	AKIP1
ENSDARG00000087110	ENSDARP00000109274	AT-hook transcription factor [Source:HGNC Symbol;Acc:HGNC:24108]	AKNA
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q1D2]	AL928685.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9Q8Z3]	AL928685.3
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q192]	AL928887.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q0D7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000086827	ENSDARP00000109924	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCH2]	AL929327.1
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2K1]	AL929520.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000039671	ENSDARP00000057998	asparagine-linked glycosylation 14 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041010-195]	alg14
ENSDARG00000074779	ENSDARP00000098408	Alstrom syndrome 1 [Source:HGNC Symbol;Acc:HGNC:428]	ALMS1
ENSDARG00000095819	ENSDARP00000129625	APC membrane recruitment protein 3 [Source:HGNC Symbol;Acc:HGNC:26771]	AMER3
ENSDARG00000062947	ENSDARP00000127484	amniotic associated transmembrane protein [Source:ZFIN;Acc:ZDB-GENE-060810-59]	amn
ENSDARG00000089248	ENSDARP00000105587	archaelysin family metalloproteinase 2 [Source:HGNC Symbol;Acc:HGNC:28041]	AMZ2
ENSDARG00000088461	ENSDARP00000019505	anaphase promoting complex subunit 5 [Source:ZFIN;Acc:ZDB-GENE-030131-1574]	anapc5
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000086579	ENSDARP00000126797	apratxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000076838	ENSDARP00000123136	apolipoprotein M [Source:ZFIN;Acc:ZDB-GENE-010605-5]	apom
ENSDARG00000019223	ENSDARP00000013189	arginine and glutamate rich 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2914]	arglu1a
ENSDARG00000018319	ENSDARP00000014072	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSDARG00000071013	ENSDARP00000100952	ADP-ribosylation-like factor 6 interacting protein 6 [Source:ZFIN;Acc:ZDB-GENE-070410-117]	arl6ip6
ENSDARG00000096940	ENSDARP00000128878	arpc1a	arpc1a
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000012829	ENSDARP00000024847	N-acylsphingosine amidohydrolase 2 [Source:ZFIN;Acc:ZDB-GENE-041112-1]	asah2
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSDARG00000089698	ENSDARP00000104477	activating transcription factor 7 interacting protein 2 [Source:ZFIN;Acc:ZDB-GENE-131121-384]	atf7ip2
ENSDARG00000087693	ENSDARP00000105610	ATX1 antioxidant protein 1 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-120720-2]	atox1
ENSDARG00000095897	ENSDARP00000124085	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit [Source:ZFIN;Acc:ZDB-GENE-110411-22]	atp5e
ENSDARG00000078113	ENSDARP00000098791	ATP synthase, H+ transporting, mitochondrial FO complex, subunit e, duplicate a [Source:ZFIN;Acc:ZDB-GENE-070928-12]	atp5ia
ENSDARG00000068940	ENSDARP00000090664	ATP synthase, H+ transporting, mitochondrial FO complex, subunit e, duplicate b [Source:ZFIN;Acc:ZDB-GENE-051130-1]	atp5ib
ENSDARG00000017316	ENSDARP00000111840	BCL2-associated athanogene 5 [Source:ZFIN;Acc:ZDB-GENE-050913-58]	bag5
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000058978	ENSDARP00000076399	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSDARG00000076903	ENSDARP00000102763	BEN domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-090312-181]	bend3
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000059857	ENSDARP00000078125	biliverdin reductase A [Source:ZFIN;Acc:ZDB-GENE-060929-312]	blvra
ENSDARG00000096603	ENSDARP00000126692	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSDARG00000041414	ENSDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000086332	ENSDARP00000108026	brain protein i3 [Source:ZFIN;Acc:ZDB-GENE-030131-3038]	bri3
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000096095	ENSDARP00000125536	bucky ball [Source:ZFIN;Acc:ZDB-GENE-070117-694]	buc
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBI7]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000070767	ENSDARP00000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1

ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000086468	ENSDARP00000107283	chemokine CCL-CUe (LOC100000741), mRNA	[Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDARG00000091651	ENSDARP00000112367	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RD79]	BX005156.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFD7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000089346	ENSDARP00000111868	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY78]	BX005305.4
ENSDARG00000076358	ENSDARP00000076481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H8]	BX005329.1
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000090319	ENSDARP00000107528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2P1]	BX005356.3
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q0U4]	BX005364.1
ENSDARG00000074607	ENSDARP00000049592	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6X1]	BX005421.3
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV45]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F964]	BX005193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYS3]	BX088712.2
ENSDARG00000086942	ENSDARP00000102867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJF3]	BX247865.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA	[Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F755]	BX248120.1
ENSDARG00000075422	ENSDARP00000099561	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2U2]	BX248510.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000091479	ENSDARP00000091762	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F105]	BX296538.3
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F8WSQ1]	BX322587.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000091424	ENSDARP00000112305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEN7]	BX323035.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q526]	BX323461.1
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYH7]	BX324163.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA	[Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB6M]	BX465187.1
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSP7]	BX469930.1
ENSDARG00000091543	ENSDARP00000112186	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FES9]	BX469930.2
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000086932	ENSDARP00000106425	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QL22]	BX470224.1
ENSDARG00000087523	ENSDARP00000110555	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWT1]	BX470224.2
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A2BG99]	BX510909.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000087122	ENSDARP00000108005	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF1]	BX511061.2
ENSDARG00000087202	ENSDARP00000103959	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6A9]	BX511066.1
ENSDARG00000087370	ENSDARP00000105580	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFT1]	BX511080.1
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000056519	ENSDARP00000067499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAW5]	BX511257.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E2D7]	BX530062.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY68]	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000092602	ENSDARP00000114151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ39]	BX546499.2
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000036085	ENSDARP00000032169	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZM3]	BX571811.1
ENSDARG00000095082	ENSDARP00000113618	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9H7]	BX571811.2
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RTU8]	BX572078.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA	[Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP000000051719	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYM7]	BX649431.1
ENSDARG00000079441	ENSDARP00000109552	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QG10]	BX649448.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA79]	BX649524.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYI3]	BX897747.3
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1

ENSDARG00000002797	ENSDARP00000056020	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNN1]	BX908804.1
ENSDARG00000053649	ENSDARP00000070181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QPY2]	BX927082.1
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000071141	ENSDARP00000095738	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8R2]	BX927308.2
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBNO]	BX936450.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000092776	ENSDARP00000118420	chromosome 5 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:25801]	C10H5orf42
ENSDARG00000095594	ENSDARP00000116545	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40051]	C10H5orf63
ENSDARG00000076858	ENSDARP00000101428	chromosome 8 open reading frame 4 [Source:HGNC Symbol;Acc:HGNC:1357]	C10H8orf4
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H20orf96
ENSDARG00000086324	ENSDARP00000109297	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc:HGNC:25024]	C11H3orf14
ENSDARG00000088036	ENSDARP00000111219	chromosome 11 open reading frame 95 [Source:HGNC Symbol;Acc:HGNC:28449]	C11orf95
ENSDARG00000086310	ENSDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H10orf107
ENSDARG00000086945	ENSDARP00000110271	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C12H10orf71
ENSDARG00000089024	ENSDARP00000112494	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Acc:HGNC:26563]	C12H10orf90
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSDARG00000057166	ENSDARP00000114080	chromosome 10 open reading frame 11 [Source:HGNC Symbol;Acc:HGNC:23405]	C13H10orf11
ENSDARG00000069363	ENSDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H10orf53
ENSDARG00000086970	ENSDARP00000106442	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C13H10orf71
ENSDARG00000089552	ENSDARP00000109836	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:26850]	C13H2orf61
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000029975	ENSDARP00000042485	chromosome 4 open reading frame 29 [Source:HGNC Symbol;Acc:HGNC:26111]	C14H4orf29
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14Xorf65
ENSDARG00000058254	ENSDARP00000075548	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30527]	C15H11orf53
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG00000020611	ENSDARP00000180133	chromosome 19 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:26723]	C18H19orf47
ENSDARG00000090951	ENSDARP00000110613	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	C19H1orf216
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000040546	ENSDARP00000059340	chromosome 11 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:26938]	C1H11orf73
ENSDARG00000060187	ENSDARP00000092184	chromosome 19 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:34354]	C1H19orf67
ENSDARG00000044612	ENSDARP00000065547	complement component 1, q subcomponent, B chain [Source:ZFIN;Acc:ZDB-GENE-040801-223]	c1qb
ENSDARG00000078606	ENSDARP00000090901	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Acc:HGNC:25332]	C20H1orf131
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000075765	ENSDARP00000100113	chromosome 8 open reading frame 82 [Source:HGNC Symbol;Acc:HGNC:33826]	C20H8orf82
ENSDARG00000071487	ENSDARP00000104440	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C21H18orf54
ENSDARG00000073867	ENSDARP00000102057	chromosome 19 open reading frame 60 [Source:HGNC Symbol;Acc:HGNC:26098]	C22H19orf60
ENSDARG00000071439	ENSDARP00000096390	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]	C22H1orf53
ENSDARG00000098029	ENSDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSDARG00000070868	ENSDARP00000083775	chromosome 1 open reading frame 192 [Source:HGNC Symbol;Acc:HGNC:32325]	C23H1orf192
ENSDARG00000089979	ENSDARP00000117470	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C24H18orf63
ENSDARG00000089303	ENSDARP00000104692	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:1174]	C25H11orf24
ENSDARG00000089139	ENSDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSDARG00000045797	ENSDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSDARG00000076896	ENSDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C2H10orf67
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000052176	ENSDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG00000013051	ENSDARP00000119025	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30527]	C5H11orf53
ENSDARG00000057114	ENSDARP00000121268	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C5H11orf88
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000088753	ENSDARP00000115560	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C5H4orf22
ENSDARG00000079497	ENSDARP00000098558	chromosome 8 open reading frame 4 [Source:HGNC Symbol;Acc:HGNC:1357]	C5H8orf4
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000068122	ENSDARP00000116312	chromosome 9 open reading frame 171 [Source:HGNC Symbol;Acc:HGNC:33776]	C5H9orf171
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9
ENSDARG00000075814	ENSDARP00000099890	chromosome 1 open reading frame 146 [Source:HGNC Symbol;Acc:HGNC:24032]	C6H1orf146
ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]	C6H21orf58
ENSDARG00000046141	ENSDARP00000067842	chromosome 12 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:25719]	C8H12orf43
ENSDARG00000058940	ENSDARP00000076347	chromosome 9 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28435]	C8H9orf116
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY77]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000090702	ENSDARP00000107976	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Q2]	CABZ01005649.2
ENSDARG00000088655	ENSDARP00000110021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDK0]	CABZ01007794.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW65]	CABZ01015787.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000090401	ENSDARP00000111760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY8B]	CABZ01020840.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOX2]	CABZ01023601.1

ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1		CABZ01028770.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXCO]	CABZ01029900.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYM4]	CABZ01029902.2
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F715]	CABZ01030107.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QCF7]	CABZ01031933.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.2
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034702.1
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRJ9]	CABZ01035189.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1		CABZ01035189.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1
ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CABZ01038802.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1		CABZ01039845.1
ENSDARG00000091044	ENSDARP00000105958	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3F3]	CABZ01040021.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA	[Source:RefSeq mRNA;Acc:NM_001172308]	CABZ01040055.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01040423.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1		CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1		CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000089690	ENSDARP00000107711	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Z6]	CABZ01044980.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8V8]	CABZ01046425.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R900]	CABZ01046427.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2R9]	CABZ01046432.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000059514	ENSDARP00000077236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFU2]	CABZ01046996.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYF6]	CABZ01048902.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1		CABZ01052573.1
ENSDARG00000086154	ENSDARP00000108151	CABZ01061717.1		CABZ01053196.1
ENSDARG00000090923	ENSDARP00000106342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000088324	ENSDARP00000108704	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F611]	CABZ01055343.2
ENSDARG00000089208	ENSDARP00000111508	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZV3]	CABZ01055343.4
ENSDARG00000087246	ENSDARP00000109975	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ09]	CABZ01055715.1
ENSDARG00000089832	ENSDARP00000109479	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QH14]	CABZ01056274.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0I5]	CABZ01056821.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CABZ01058371.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5E5]	CABZ01058771.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1H2]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1
ENSDARG00000079047	ENSDARP00000102812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1H2]	CABZ01061496.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSS5]	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYP6]	CABZ01063534.1
ENSDARG00000086267	ENSDARP00000111718	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYU4]	CABZ01063556.1
ENSDARG00000091068	ENSDARP00000104444	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH9]	CABZ01063789.1
ENSDARG00000089402	ENSDARP00000105234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Y9]	CABZ01063841.1
ENSDARG00000089125	ENSDARP00000110886	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F768]	CABZ01064012.1
ENSDARG00000063315	ENSDARP00000111345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CABZ01064968.1
ENSDARG00000089818	ENSDARP00000110175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CABZ01064968.2
ENSDARG00000090576	ENSDARP00000104820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY83]	CABZ01064968.3
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GX88]	CABZ01064972.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP00000109290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000091527	ENSDARP00000105345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFA7]	CABZ01068153.1
ENSDARG00000034063	ENSDARP00000020089	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED8]	CABZ01068208.1
ENSDARG0000005627	ENSDARP00000014294	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUY8]	CABZ01068209.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000073768	ENSDARP00000102497	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4I5]	CABZ01069519.1
ENSDARG00000067814	ENSDARP00000088453	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H9]	CABZ01069745.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1

ENSDARG00000075662	ENSDARP00000103795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6P2]	CABZ01071283.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD5]	CABZ01071911.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GX10]	CABZ01072487.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000086759	ENSDARP00000109372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E251]	CABZ01074268.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWN4]	CABZ01074659.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE6]	CABZ01074712.1
ENSDARG00000059032	ENSDARP00000076470	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXJ2]	CABZ01074888.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE85]	CABZ01074944.1
ENSDARG00000090396	ENSDARP00000107917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F481]	CABZ01074946.1
ENSDARG00000089198	ENSDARP00000102862	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F128]	CABZ01075275.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA04]	CABZ01077218.1
ENSDARG0000009361	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A0]	CABZ01077220.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB86]	CABZ01077223.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGP0]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXD1]	CABZ01078610.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F970]	CABZ01080492.1
ENSDARG00000087802	ENSDARP00000108867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGA9]	CABZ01080590.1
ENSDARG00000078664	ENSDARP00000102131	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY27]	CABZ01080599.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000087632	ENSDARP00000104796	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0P6]	CABZ01083502.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R5P8]	CABZ01083776.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE55]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000036619	ENSDARP00000053183	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3U6]	CABZ01084569.1
ENSDARG00000078275	ENSDARP00000098608	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBU2]	CABZ01084703.1
ENSDARG00000059047	ENSDARP00000096958	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4R0]	CABZ01085069.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R5K4]	CABZ01085394.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000088054	ENSDARP00000110431	CABZ01086926.1		CABZ01086926.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000091816	ENSDARP00000110637	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F848]	CABZ01088039.1
ENSDARG00000086023	ENSDARP00000104637	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY11]	CABZ01088061.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000091553	ENSDARP00000110717	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ49]	CABZ01088718.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1		CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01111604.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1		CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089677	ENSDARP00000109187	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYV4]	CABZ01117603.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ4]	CABZ01118004.1
ENSDARG00000089739	ENSDARP00000106968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCH3]	CABZ01118317.1

ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000045207	ENSDARP00000090032	calcium modulating ligand [Source:ZFIN;Acc:ZDB-GENE-040426-2407]	camlg
ENSDARG00000058486	ENSDARP00000075799	calcyphosine 2 [Source:ZFIN;Acc:ZDB-GENE-091204-449]	caps2
ENSDARG00000019950	ENSDARP00000118967	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103 [Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccdc103
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000069762	ENSDARP00000092547	coiled-coil domain containing 11 [Source:ZFIN;Acc:ZDB-GENE-060503-508]	ccdc11
ENSDARG00000006981	ENSDARP00000003379	coiled-coil domain containing 113 [Source:ZFIN;Acc:ZDB-GENE-041010-163]	ccdc113
ENSDARG00000030508	ENSDARP00000048732	coiled-coil domain containing 134 [Source:HGNC Symbol;Acc:HGNC:26185]	CCDC134
ENSDARG00000086557	ENSDARP00000108741	coiled-coil domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-120215-134]	ccdc14
ENSDARG00000091927	ENSDARP00000059450	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000004780	ENSDARP00000024005	coiled-coil domain containing 142 [Source:HGNC Symbol;Acc:HGNC:25889]	CCDC142
ENSDARG00000067517	ENSDARP00000087932	coiled-coil domain containing 15 [Source:HGNC Symbol;Acc:HGNC:25798]	CCDC15
ENSDARG00000090935	ENSDARP00000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000045850	ENSDARP00000067379	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGNC:21239]	CCDC167
ENSDARG00000027381	ENSDARP00000123818	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGNC:29828]	CCDC171
ENSDARG00000039937	ENSDARP00000128117	coiled-coil domain containing 172 [Source:ZFIN;Acc:ZDB-GENE-090313-1]	ccdc172
ENSDARG00000089320	ENSDARP00000129277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSDARG00000067841	ENSDARP00000106528	coiled-coil domain containing 177 [Source:ZFIN;Acc:ZDB-GENE-130530-718]	ccdc177
ENSDARG00000032372	ENSDARP00000106261	coiled-coil domain containing 180 [Source:HGNC Symbol;Acc:HGNC:29303]	CCDC180
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000035550	ENSDARP00000051529	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccdc42b
ENSDARG00000017771	ENSDARP00000070338	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGNC:27709]	CCDC66
ENSDARG00000071570	ENSDARP00000118626	coiled-coil domain containing 71 [Source:HGNC Symbol;Acc:HGNC:25760]	CCDC71
ENSDARG00000093805	ENSDARP00000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccdc73
ENSDARG00000030095	ENSDARP00000042272	coiled-coil domain containing 78 [Source:ZFIN;Acc:ZDB-GENE-060301-1]	ccdc78
ENSDARG00000058587	ENSDARP00000075909	coiled-coil domain containing 79 [Source:ZFIN;Acc:ZDB-GENE-060503-732]	ccdc79
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000070810	ENSDARP00000095053	cholecystokinin [Source:ZFIN;Acc:ZDB-GENE-100922-79]	cck
ENSDARG00000038634	ENSDARP00000103167	cholecystokinin [Source:HGNC Symbol;Acc:HGNC:1569]	CCK
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000039351	ENSDARP00000114954	chemokine (C-C motif) ligand 19 [Source:ZFIN;Acc:ZDB-GENE-091204-19]	cc119
ENSDARG00000035632	ENSDARP00000051667	chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc:HGNC:10617]	CC119
ENSDARG00000094511	ENSDARP00000122800	chemokine (C-C motif) ligand 20 [Source:ZFIN;Acc:ZDB-GENE-091204-95]	cc120
ENSDARG00000058389	ENSDARP00000090385	chemokine CCL-C5a [Source:ZFIN;Acc:ZDB-GENE-060526-181]	cc1-c5a
ENSDARG00000044962	ENSDARP00000066095	cell cycle progression 1 [Source:ZFIN;Acc:ZDB-GENE-041114-136]	ccpg1
ENSDARG00000091535	ENSDARP00000111750	coiled-coil serine-rich protein 2 [Source:ZFIN;Acc:ZDB-GENE-121214-220]	ccser2
ENSDARG00000077240	ENSDARP00000114499	CD247 antigen like [Source:ZFIN;Acc:ZDB-GENE-070508-2]	cd247l
ENSDARG00000095070	ENSDARP00000115721	CD28 molecule [Source:ZFIN;Acc:ZDB-GENE-070912-128]	cd28
ENSDARG00000070668	ENSDARP00000094752	CD4 molecule [Source:ZFIN;Acc:ZDB-GENE-100922-280]	cd4
ENSDARG00000079333	ENSDARP00000098917	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSDARG00000087508	ENSDARP00000126284	CD99 molecule-like 2 [Source:HGNC Symbol;Acc:HGNC:18237]	CD99L2
ENSDARG00000077815	ENSDARP00000100739	cell division cycle 26 homolog [Source:ZFIN;Acc:ZDB-GENE-040822-18]	cdc26
ENSDARG00000023724	ENSDARP00000034273	CDC42 small effector 1 [Source:ZFIN;Acc:ZDB-GENE-030131-9260]	cdc42se1
ENSDARG00000094577	ENSDARP00000123282	CDC42 small effector 2 [Source:HGNC Symbol;Acc:HGNC:18547]	CDC42SE2
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000094388	ENSDARP00000119071	celsr2	celsr2
ENSDARG00000091271	ENSDARP00000120776	centromere protein T [Source:HGNC Symbol;Acc:HGNC:25787]	CENPT
ENSDARG00000088924	ENSDARP00000106330	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	CENPU
ENSDARG00000076965	ENSDARP00000104406	centrosomal protein 70 [Source:ZFIN;Acc:ZDB-GENE-070705-311]	cep70
ENSDARG00000091754	ENSDARP00000111012	coiled-coil-helix-coiled-coil-helix domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17840]	CHCHD5
ENSDARG00000076500	ENSDARP00000101923	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSDARG00000077769	ENSDARP00000102688	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5596]	cited1
ENSDARG00000030905	ENSDARP00000046715	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 [Source:ZFIN;Acc:ZDB-GENE-041010-141]	cited2
ENSDARG00000035990	ENSDARP00000123533	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4a [Source:ZFIN;Acc:ZDB-GENE-030131-7661]	cited4a
ENSDARG00000028514	ENSDARP00000031222	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4b [Source:ZFIN;Acc:ZDB-GENE-030425-5]	cited4b
ENSDARG00000016290	ENSDARP00000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSDARG00000089553	ENSDARP00000109977	claudin 23 [Source:HGNC Symbol;Acc:HGNC:17591]	CLDN23
ENSDARG00000087655	ENSDARP00000106337	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSDARG00000057714	ENSDARP00000074888	cytidine monophospho-N-acetylneuraminic acid hydroxylase [Source:ZFIN;Acc:ZDB-GENE-040704-33]	cmah
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000055527	ENSDARP00000108611	calymmin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000091489	ENSDARP00000106270	cyclic nucleotide binding domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26663]	CNBD1
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG00000094833	ENSDARP00000119256	cytochrome C oxidase assembly factor 5 [Source:ZFIN;Acc:ZDB-GENE-060825-53]	coa5
ENSDARG00000091006	ENSDARP00000108248	cordón-bleu homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-091020-11]	cobl
ENSDARG00000095874	ENSDARP00000123716	component of oligomeric golgi complex 3 [Source:ZFIN;Acc:ZDB-GENE-050913-26]	cog3
ENSDARG00000040070	ENSDARP00000109892	coilin p80 [Source:ZFIN;Acc:ZDB-GENE-000330-8]	coil
ENSDARG00000092124	ENSDARP00000117013	cytochrome c oxidase assembly homolog 14 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000088059	ENSDARP00000112079	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGE4]	CR293520.1
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QYU3]	CR352226.2

ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG00000089432	ENSDARP00000109782	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QD86]	CR352328.2
ENSDARG00000088656	ENSDARP00000109373	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ50]	CR352328.3
ENSDARG00000091741	ENSDARP00000107415	CR354382.1		CR354382.1
ENSDARG00000019318	ENSDARP00000054055	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QA12]	CR354540.2
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000079364	ENSDARP00000100045	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAK9]	CR377211.1
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000076607	ENSDARP00000092275	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2D7]	CR383676.3
ENSDARG00000090754	ENSDARP00000104690	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYF1]	CR384075.2
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QC13]	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000076953	ENSDARP00000101155	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV2]	CR388416.1
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000078099	ENSDARP00000102776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QDK0]	CR391991.1
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000091076	ENSDARP00000104965	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDA5]	CR392001.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY58]	CR392364.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QC99]	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHI2]	CR450701.1
ENSDARG00000090899	ENSDARP00000107370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F7F4D5]	CR450711.2
ENSDARG00000079337	ENSDARP00000100718	chemokine CCL-CUJ (LOC100216314), mRNA	[Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ19]	CR450808.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000017504	ENSDARP00000093343	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R1Q1]	CR457462.1
ENSDARG00000090837	ENSDARP00000109371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP4P]	CR545469.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCY7]	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ54]	CR548627.1
ENSDARG00000088329	ENSDARP00000107872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9D5]	CR556710.1
ENSDARG00000091468	ENSDARP00000110790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1		CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9L9]	CR762483.1
ENSDARG00000074973	ENSDARP00000101053	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0D0]	CR788254.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ33]	CR792453.2
ENSDARG00000091443	ENSDARP00000110763	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT15]	CR792453.3
ENSDARG00000079154	ENSDARP00000098986	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QMP6]	CR846080.4
ENSDARG00000090501	ENSDARP00000107000	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R337]	CR846080.5
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000086423	ENSDARP00000105108	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FG35]	CR847950.4
ENSDARG00000089064	ENSDARP00000105977	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D8]	CR848728.2
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000090480	ENSDARP00000109633	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000090758	ENSDARP00000108395	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7Z1]	CR854942.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH9]	CR926879.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA	[Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000090890	ENSDARP00000020392	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A5WV53]	CR936442.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RDF9]	CR974475.1
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2	[Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000074771	ENSDARP00000102075	cytokine receptor family member B17	[Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSDARG00000067795	ENSDARP00000088418	cytokine receptor family member b6	[Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA	[Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000076932	ENSDARP00000103613	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q804]	CT025934.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZE8]	CT027679.1
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N5]	CT027754.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000089071	ENSDARP00000109086	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1E7]	CT573239.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1ROC8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1

ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9P5]	CT827808.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD89]	CT963086.1
ENSDARG00000090332	ENSDARP00000110744	cortixin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000087920	ENSDARP00000105411	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEF4]	CU179757.2
ENSDARG00000074330	ENSDARP00000053333	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDG4]	CU179759.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.2
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000054527	ENSDARP00000071204	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLT8]	CU459094.1
ENSDARG00000087237	ENSDARP00000107926	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F470]	CU463231.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.3
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK2]	CU539054.1
ENSDARG00000092732	ENSDARP00000123683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6NQ31]	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000095493	ENSDARP00000114676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI08]	CU570881.3
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH15]	CU570889.1
ENSDARG00000091640	ENSDARP00000107548	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N1]	CU571169.5
ENSDARG00000089920	ENSDARP00000105776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F424]	CU571255.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC10000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000086704	ENSDARP00000107408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3T2]	CU63740.3
ENSDARG00000086452	ENSDARP00000111660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E274]	CU672227.1
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000087149	ENSDARP00000107100	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L4]	CU694385.1
ENSDARG00000032477	ENSDARP00000090457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC83]	CU695232.1
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F555]	CU855780.1
ENSDARG00000074630	ENSDARP00000102039	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QD24]	CU856207.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDARG00000088542	ENSDARP00000108246	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWS1]	CU896555.1
ENSDARG00000043033	ENSDARP00000108777	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUF5]	CU896691.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000089543	ENSDARP00000106958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8K6]	CU984579.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.1
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl64
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDARG00000086728	ENSDARP00000106158	chromosome X open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:26356]	CZv9_scaffold3516HXorf58
ENSDARG00000000729	ENSDARP00000087613	death-associated protein 6 [Source:ZFIN;Acc:ZDB-GENE-010110-3]	daxx
ENSDARG00000056077	ENSDARP00000124288	DC-STAMP domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070809-5]	dct1
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicip.1
ENSDARG00000075848	ENSDARP00000102438	diverse immunoglobulin domain-containing protein 3.1 [Source:ZFIN;Acc:ZDB-GENE-120306-18]	dicip.3.1
ENSDARG00000087706	ENSDARP00000127641	diverse immunoglobulin domain-containing protein 3.3 [Source:ZFIN;Acc:ZDB-GENE-120306-20]	dicip.3.3
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	DLEU7
ENSDARG00000018181	ENSDARP00000017551	DnaJ (Hsp40) homolog, subfamily C, member 28 [Source:ZFIN;Acc:ZDB-GENE-050417-130]	dnajc28
ENSDARG00000075730	ENSDARP00000103969	2'-deoxynucleoside 5'-phosphate N-hydrolase 1 [Source:ZFIN;Acc:ZDB-GENE-081107-5]	dnp1
ENSDARG00000095974	ENSDARP00000077884	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSDARG00000091663	ENSDARP00000108192	DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23468]	DYDC2
ENSDARG00000063692	ENSDARP00000087743	enoyl CoA hydratase domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-061201-12]	echdc3
ENSDARG00000087457	ENSDARP00000114003	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	eccrd
ENSDARG00000092825	ENSDARP00000129539	EF-hand calcium binding domain 10 [Source:HGNC Symbol;Acc:HGNC:34531]	EFCAB10

ENSDARG00000042937	ENSDARP00000098468	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HGNC:24204]	EFCA86
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP000000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000094578	ENSDARP000000115913	epithelial stromal interaction 1 [Source:ZFIN;Acc:ZDB-GENE-081104-172]	epst11
ENSDARG00000042727	ENSDARP000000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	EXOS
ENSDARG00000036500	ENSDARP00000053025	family with sequence similarity 122B [Source:ZFIN;Acc:ZDB-GENE-040801-204]	fam122b
ENSDARG00000087144	ENSDARP000000110223	family with sequence similarity 183, member B [Source:HGNC Symbol;Acc:HGNC:34511]	FAM183B
ENSDARG00000059671	ENSDARP00000077608	family with sequence similarity 189, member A2 [Source:ZFIN;Acc:ZDB-GENE-050309-90]	fam189a2
ENSDARG00000091799	ENSDARP000000107667	family with sequence similarity 217, member B [Source:HGNC Symbol;Acc:HGNC:16170]	FAM217B
ENSDARG00000095007	ENSDARP000000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000067596	ENSDARP00000088088	Fanconi anemia, complementation group B [Source:ZFIN;Acc:ZDB-GENE-060510-1]	fancb
ENSDARG00000074031	ENSDARP000000100864	FAST kinase domains 2 [Source:ZFIN;Acc:ZDB-GENE-090313-7]	fastkd2
ENSDARG00000054222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8 [Source:ZFIN;Acc:ZDB-GENE-051120-81]	fbxl8
ENSDARG00000088801	ENSDARP000000105158	FYVE, RhoGEF and PH domain containing 5a [Source:ZFIN;Acc:ZDB-GENE-090428-3]	fgd5a
ENSDARG00000039963	ENSDARP00000058464	fibroblast growth factor binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-081106-1]	fgfbp1
ENSDARG00000039964	ENSDARP00000058465	fibroblast growth factor binding protein 2a [Source:ZFIN;Acc:ZDB-GENE-030131-8319]	fgfbp2a
ENSDARG00000038056	ENSDARP00000071237	fibroblast growth factor binding protein 2b [Source:ZFIN;Acc:ZDB-GENE-070410-95]	fgfbp2b
ENSDARG00000040162	ENSDARP000000128356	fibroblast growth factor binding protein 3 [Source:HGNC Symbol;Acc:HGNC:23428]	FGFBP3
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]	FHAD1
ENSDARG00000068850	ENSDARP00000090488	fragile histidine triad gene [Source:ZFIN;Acc:ZDB-GENE-040426-1703]	fhit
ENSDARG00000087620	ENSDARP000000111334	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000093910	ENSDARP000000120136	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QH16]	FP015791.1
ENSDARG00000087912	ENSDARP000000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000087256	ENSDARP000000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP000000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F253]	FP017194.1
ENSDARG00000091643	ENSDARP000000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000074247	ENSDARP000000100398	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RCM0]	FP102786.1
ENSDARG00000089269	ENSDARP000000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087555	ENSDARP000000106768	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9D9]	FP103059.1
ENSDARG00000086465	ENSDARP000000106216	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLZ9]	FP236513.1
ENSDARG00000086113	ENSDARP000000106682	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA29]	FP236789.1
ENSDARG00000087434	ENSDARP000000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000088553	ENSDARP000000109186	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QG55]	FP243385.3
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXP4]	FP245465.2
ENSDARG00000091199	ENSDARP000000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000090139	ENSDARP000000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1EZ43]	FP245472.1
ENSDARG00000088247	ENSDARP000000106989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC28]	FP245511.1
ENSDARG00000086216	ENSDARP000000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP000000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000074356	ENSDARP000000115873	frataxin [Source:ZFIN;Acc:ZDB-GENE-070209-286]	fxn
ENSDARG00000095094	ENSDARP000000120484	FXYD domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fyxd6
ENSDARG00000097057	ENSDARP000000127704	FXYD domain containing ion transport regulator 6 like [Source:ZFIN;Acc:ZDB-GENE-071205-8]	fyxd6l
ENSDARG00000078859	ENSDARP000000101157	G0/G1 switch gene 2 [Source:ZFIN;Acc:ZDB-GENE-081022-103]	g0s2
ENSDARG00000015775	ENSDARP000000002791	growth associated protein 43 [Source:ZFIN;Acc:ZDB-GENE-990415-87]	gap43
ENSDARG00000089310	ENSDARP000000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSDARG00000086620	ENSDARP000000124274	glucokinase (hexokinase 4) regulator [Source:ZFIN;Acc:ZDB-GENE-110411-248]	gckr
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000091931	ENSDARP000000124189	G patch domain containing 4 [Source:ZFIN;Acc:ZDB-GENE-041008-158]	gpatch4
ENSDARG00000034975	ENSDARP00000054336	G protein-coupled receptor 157 [Source:ZFIN;Acc:ZDB-GENE-050809-126]	gpr157
ENSDARG00000086973	ENSDARP000000108308	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]	GPRIN1
ENSDARG00000075043	ENSDARP000000100162	GPRIN family member 3 [Source:HGNC Symbol;Acc:HGNC:27733]	GPRIN3
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000053227	ENSDARP00000069720	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSDARG00000070932	ENSDARP00000095322	hypocretin (orexin) neuropeptide precursor [Source:ZFIN;Acc:ZDB-GENE-040324-1]	hcrt
ENSDARG00000092074	ENSDARP000000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000078148	ENSDARP00000099975	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26013]	HEATR2
ENSDARG00000090753	ENSDARP000000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000087842	ENSDARP000000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSDARG00000038408	ENSDARP00000056045	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmg1b
ENSDARG00000069912	ENSDARP000000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSDARG00000093817	ENSDARP000000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmgn2
ENSDARG00000036754	ENSDARP000000113097	high mobility group nucleosomal binding domain 3 [Source:ZFIN;Acc:ZDB-GENE-041114-180]	hmgn3
ENSDARG00000096510	ENSDARP000000126834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GEC1]	hoxa9a
ENSDARG00000067777	ENSDARP00000088395	heat shock protein family B (small), member 11 [Source:HGNC Symbol;Acc:HGNC:25019]	HSPB11
ENSDARG00000061380	ENSDARP00000081912	HUS1 checkpoint homolog (S. pombe) [Source:HGNC Symbol;Acc:HGNC:5309]	HUS1
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	IFNG1-1
ENSDARG00000024211	ENSDARP000000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	IFNG1-2
ENSDARG00000087131	ENSDARP000000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	IFNLR1
ENSDARG00000069012	ENSDARP00000085806	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	IFNP2
ENSDARG00000090603	ENSDARP000000108147	interferon phi 4 [Source:ZFIN;Acc:ZDB-GENE-080327-1]	IFNP4
ENSDARG00000096248	ENSDARP000000126142	immunoglobulin heavy constant delta [Source:ZFIN;Acc:ZDB-GENE-040513-9]	IGHD
ENSDARG00000096236	ENSDARP000000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	IGHD1-1
ENSDARG00000096344	ENSDARP000000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	IGHD1-2

ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000096386	ENSDARP00000125826	immunoglobulin heavy variable 9-3 [Source:ZFIN;Acc:ZDB-GENE-040514-32]	ighv9-3
ENSDARG00000096280	ENSDARP00000126008	immunoglobulin heavy constant zeta [Source:ZFIN;Acc:ZDB-GENE-040513-8]	ighz
ENSDARG00000078520	ENSDARP00000110236	IKBKB interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBIP
ENSDARG00000078147	ENSDARP00000098423	interleukin 10 [Source:ZFIN;Acc:ZDB-GENE-051111-1]	il10
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000078649	ENSDARP00000080852	interleukin 21 receptor, like [Source:ZFIN;Acc:ZDB-GENE-080108-7]	il21rl
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000075720	ENSDARP00000104449	interleukin 2 receptor, beta [Source:ZFIN;Acc:ZDB-GENE-080108-2]	il2rb
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000078970	ENSDARP00000119705	interleukin 7 receptor [Source:ZFIN;Acc:ZDB-GENE-080110-7]	il7r
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000035551	ENSDARP00000051530	IQ motif containing D [Source:ZFIN;Acc:ZDB-GENE-060526-200]	iqcd
ENSDARG00000068678	ENSDARP00000090196	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	IQCG
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000036903	ENSDARP00000053587	interleukin-1 receptor-associated kinase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050522-272]	irak1b1
ENSDARG00000007534	ENSDARP00000110426	intelectin 1 [Source:ZFIN;Acc:ZDB-GENE-060929-564]	itln1
ENSDARG00000036084	ENSDARP00000052386	intelectin 2 [Source:ZFIN;Acc:ZDB-GENE-050411-58]	itln2
ENSDARG00000003523	ENSDARP00000014852	intelectin 3 [Source:ZFIN;Acc:ZDB-GENE-090527-4]	itln3
ENSDARG00000053630	ENSDARP00000070650	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F413]	ITLN4
ENSDARG00000075829	ENSDARP000000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000079753	ENSDARP00000102994	kizuna centrosomal protein [Source:HGNC Symbol;Acc:HGNC:15865]	KIZ
ENSDARG00000074379	ENSDARP00000099723	kinetochore-localized astrin/SPAG5 binding protein [Source:ZFIN;Acc:ZDB-GENE-081022-187]	knstrn
ENSDARG00000070386	ENSDARP00000093996	keratinocyte associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-060825-91]	krtcap2
ENSDARG00000076914	ENSDARP00000099363	laccase (multicopper oxidoreductase) domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-081104-155]	lacc1
ENSDARG00000090194	ENSDARP00000106008	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5 [Source:ZFIN;Acc:ZDB-GENE-110411-193]	lamtor5
ENSDARG00000090297	ENSDARP00000111714	low density lipoprotein receptor class A domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-110204-1]	ldlrad2
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRI1
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRC49
ENSDARG00000078611	ENSDARP00000113601	leucine-rich repeats and IQ motif containing 3 [Source:ZFIN;Acc:ZDB-GENE-081104-400]	Lrric3
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000033138	ENSDARP00000041191	LYR motif containing 2 [Source:ZFIN;Acc:ZDB-GENE-040914-27]	lyrm2
ENSDARG00000057789	ENSDARP00000074998	lysozyme [Source:ZFIN;Acc:ZDB-GENE-020515-2]	lyz
ENSDARG00000032601	ENSDARP00000116255	MACRO domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1490]	macrod2
ENSDARG00000091079	ENSDARP00000105998	mitochondrial assembly of ribosomal large subunit 1 [Source:HGNC Symbol;Acc:HGNC:21721]	MALSU1
ENSDARG00000078241	ENSDARP00000098914	microtubule-associated protein 7 [Source:HGNC Symbol;Acc:HGNC:6869]	MAP7
ENSDARG00000035715	ENSDARP00000051803	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSDARG00000012932	ENSDARP00000123222	methionine adenosyltransferase II, beta [Source:ZFIN;Acc:ZDB-GENE-030131-786]	mat2b
ENSDARG00000031952	ENSDARP00000039806	myoglobin [Source:ZFIN;Acc:ZDB-GENE-040426-1430]	mb
ENSDARG00000021572	ENSDARP00000036480	Mab-21 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-090313-23]	mb21d1
ENSDARG00000036186	ENSDARP00000126314	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSDARG00000087450	ENSDARP00000107850	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6935]	MCC
ENSDARG00000045675	ENSDARP00000116078	transformed 3T3 cell double minute 1 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041210-117]	mdm1
ENSDARG00000045705	ENSDARP00000067188	meiosis expressed gene 1 homolog [Source:ZFIN;Acc:ZDB-GENE-050320-33]	meig1
ENSDARG00000038069	ENSDARP000000115092	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase a [Source:ZFIN;Acc:ZDB-GENE-050522-249]	mgat3a
ENSDARG00000056330	ENSDARP00000090055	major histocompatibility complex class II DBB gene [Source:ZFIN;Acc:ZDB-GENE-010112-2]	mhc2dbb
ENSDARG00000071262	ENSDARP00000127649	mirror-image polydactyly 1 [Source:ZFIN;Acc:ZDB-GENE-030131-41]	mipol1
ENSDARG00000071026	ENSDARP00000095520	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlt11
ENSDARG00000092916	ENSDARP00000115621	myelin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000068344	ENSDARP00000089565	methylmalonic aciduria (cobalamin deficiency) cblB type [Source:ZFIN;Acc:ZDB-GENE-060526-232]	mmab
ENSDARG00000010553	ENSDARP00000005525	membrane magnesium transporter 1 [Source:ZFIN;Acc:ZDB-GENE-040801-65]	mmgt1
ENSDARG00000028614	ENSDARP00000031983	motile sperm domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2691]	mospd1
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mplkip
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000059658	ENSDARP00000077572	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060526-229]	mrm1
ENSDARG00000092954	ENSDARP00000121717	mitochondrial ribosomal protein L34 [Source:ZFIN;Acc:ZDB-GENE-070912-582]	mrpl34

ENSDARG00000070607	ENSDARP00000094638	mitochondrial ribosomal protein L36 [Source:ZFIN;Acc:ZDB-GENE-060503-821]	mrpl36
ENSDARG00000071468	ENSDARP00000096469	mitochondrial ribosomal protein L54 [Source:ZFIN;Acc:ZDB-GENE-050208-381]	mrpl54
ENSDARG00000033973	ENSDARP00000123077	mitochondrial ribosomal protein S23 [Source:ZFIN;Acc:ZDB-GENE-040801-134]	mrps23
ENSDARG00000041538	ENSDARP00000060897	mitochondrial ribosomal protein S28 [Source:ZFIN;Acc:ZDB-GENE-061110-52]	mrps28
ENSDARG00000061505	ENSDARP00000082215	mitochondrial ribosomal protein S9 [Source:ZFIN;Acc:ZDB-GENE-060825-257]	mrps9
ENSDARG00000043798	ENSDARP00000112751	membrane-spanning 4-domains, subfamily A, member 17A.1 [Source:ZFIN;Acc:ZDB-GENE-050417-307]	ms4a17a.1
ENSDARG00000095695	ENSDARP00000128521	membrane-spanning 4-domains, subfamily A, member 17A.10 [Source:ZFIN;Acc:ZDB-GENE-080829-3]	ms4a17a.10
ENSDARG00000053561	ENSDARP00000024147	membrane-spanning 4-domains, subfamily A, member 17A.11 [Source:ZFIN;Acc:ZDB-GENE-050417-157]	ms4a17a.11
ENSDARG00000094809	ENSDARP00000120959	membrane-spanning 4-domains, subfamily A, member 17A.14 [Source:ZFIN;Acc:ZDB-GENE-070705-363]	ms4a17a.14
ENSDARG00000054898	ENSDARP00000090685	membrane-spanning 4-domains, subfamily A, member 17A.17 [Source:ZFIN;Acc:ZDB-GENE-070424-27]	ms4a17a.17
ENSDARG00000093546	ENSDARP00000007146	membrane-spanning 4-domains, subfamily A, member 17a.2 [Source:ZFIN;Acc:ZDB-GENE-070705-367]	ms4a17a.2
ENSDARG00000091970	ENSDARP00000128604	membrane-spanning 4-domains, subfamily A, member 17A.3 [Source:ZFIN;Acc:ZDB-GENE-080829-1]	ms4a17a.3
ENSDARG00000014024	ENSDARP00000076558	membrane-spanning 4-domains, subfamily A, member 17A.4 [Source:ZFIN;Acc:ZDB-GENE-070822-16]	ms4a17a.4
ENSDARG00000092204	ENSDARP00000115019	membrane-spanning 4-domains, subfamily A, member 17A.5 [Source:ZFIN;Acc:ZDB-GENE-040912-55]	ms4a17a.5
ENSDARG00000007018	ENSDARP00000070084	membrane-spanning 4-domains, subfamily A, member 17A.6 [Source:ZFIN;Acc:ZDB-GENE-070209-265]	ms4a17a.6
ENSDARG00000043796	ENSDARP00000064311	membrane-spanning 4-domains, subfamily A, member 17A.7 [Source:ZFIN;Acc:ZDB-GENE-080829-2]	ms4a17a.7
ENSDARG00000094854	ENSDARP00000116235	membrane-spanning 4-domains, subfamily A, member 17A.8 [Source:ZFIN;Acc:ZDB-GENE-070705-365]	ms4a17a.8
ENSDARG00000043802	ENSDARP00000120897	membrane-spanning 4-domains, subfamily A, member 17A.9 [Source:ZFIN;Acc:ZDB-GENE-050320-79]	ms4a17a.9
ENSDARG00000094643	ENSDARP00000122630	membrane-spanning 4-domains, subfamily A, member 17C.1 [Source:ZFIN;Acc:ZDB-GENE-080829-9]	ms4a17c.1
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000063911	ENSDARP00000087874	ATP synthase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-18]	mt-atp6
ENSDARG00000063910	ENSDARP00000087873	ATP synthase 8, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-19]	mt-atp8
ENSDARG00000063905	ENSDARP00000087871	cytochrome c oxidase I, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-14]	mt-co1
ENSDARG00000063908	ENSDARP00000087872	cytochrome c oxidase II, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-15]	mt-co2
ENSDARG00000063912	ENSDARP00000087875	cytochrome c oxidase III, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-16]	mt-co3
ENSDARG00000063924	ENSDARP00000087881	cytochrome b, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-17]	mt-cyb
ENSDARG00000063895	ENSDARP00000087869	NADH dehydrogenase 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-7]	mt-nd1
ENSDARG00000063899	ENSDARP00000087870	NADH dehydrogenase 2, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-8]	mt-nd2
ENSDARG00000063914	ENSDARP00000087876	NADH dehydrogenase 3, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-9]	mt-nd3
ENSDARG00000063917	ENSDARP00000087878	NADH dehydrogenase 4, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-10]	mt-nd4
ENSDARG00000063916	ENSDARP00000101635	NADH dehydrogenase 4L, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-11]	mt-nd4l
ENSDARG00000063921	ENSDARP00000087879	NADH dehydrogenase 5, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-12]	mt-nd5
ENSDARG00000063922	ENSDARP00000087880	NADH dehydrogenase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-13]	mt-nd6
ENSDARG00000069566	ENSDARP00000116854	mucin, multiple PTS and SEA group, member 1 [Source:ZFIN;Acc:ZDB-GENE-061009-17]	mucms1
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000068590	ENSDARP00000101635	N-acetyltransferase 6 (GCN5-related) [Source:HGNC Symbol;Acc:HGNC:30252]	NAT6
ENSDARG00000041400	ENSDARP00000119521	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa [Source:HGNC Symbol;Acc:HGNC:7686]	NDUFA3
ENSDARG00000043467	ENSDARP00000063816	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11 [Source:ZFIN;Acc:ZDB-GENE-050309-25]	ndufb11
ENSDARG00000087803	ENSDARP00000110392	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa [Source:HGNC Symbol;Acc:HGNC:7706]	NDFUFC2
ENSDARG00000090389	ENSDARP00000092990	NADH dehydrogenase (ubiquinone) flavoprotein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6500]	ndufv3
ENSDARG00000042968	ENSDARP00000125468	novel immune-type receptor 10a [Source:ZFIN;Acc:ZDB-GENE-041001-5]	nitr10a
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b [Source:ZFIN;Acc:ZDB-GENE-041001-4]	nitr10b
ENSDARG00000036749	ENSDARP00000053360	novel immune-type receptor 11a [Source:ZFIN;Acc:ZDB-GENE-041001-3]	nitr11a
ENSDARG00000057620	ENSDARP00000088826	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTA2]	NITR3
ENSDARG00000057744	ENSDARP00000053336	novel immune-type receptor 3b [Source:ZFIN;Acc:ZDB-GENE-001106-16]	nitr3b
ENSDARG00000057956	ENSDARP00000057163	novel immune-type receptor 6a [Source:ZFIN;Acc:ZDB-GENE-020225-42]	nitr6a
ENSDARG00000057948	ENSDARP00000075150	novel immune-type receptor 6b [Source:ZFIN;Acc:ZDB-GENE-041001-10]	nitr6b
ENSDARG00000057941	ENSDARP00000075143	novel immune-type receptor 6c [Source:ZFIN;Acc:ZDB-GENE-041001-11]	nitr6c
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nk3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nk4d3l
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000043299	ENSDARP00000063567	neuromedin U [Source:ZFIN;Acc:ZDB-GENE-041001-111]	nmu
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000044402	ENSDARP00000065207	NOP16 nucleolar protein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-267]	nop16
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000045016	ENSDARP00000066178	neuropeptide FF-amide peptide precursor like [Source:ZFIN;Acc:ZDB-GENE-030806-1]	npffl
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000076379	ENSDARP00000100432	non-SMC element 2, MMS21 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26513]	NSMCE2
ENSDARG00000057887	ENSDARP00000075084	neurotensin [Source:ZFIN;Acc:ZDB-GENE-091204-433]	nts
ENSDARG00000012777	ENSDARP00000018018	nuclear casein kinase and cyclin-dependent kinase substrate 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4544]	nucks1b
ENSDARG00000022461	ENSDARP00000032384	nudix (nucleoside diphosphate linked moiety X)-type motif 15 [Source:ZFIN;Acc:ZDB-GENE-040625-95]	nudt15
ENSDARG00000080814	ENSDARP00000006375	nudix (nucleoside diphosphate linked moiety X)-type motif 17 [Source:ZFIN;Acc:ZDB-GENE-050913-50]	nudt17
ENSDARG00000069066	ENSDARP00000090987	nuclear fragile X mental retardation protein interacting protein 2 [Source:ZFIN;Acc:ZDB-GENE-041111-7]	nufip2
ENSDARG00000058672	ENSDARP00000076025	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:33550]	NUGGC
ENSDARG00000010078	ENSDARP00000023984	nucleoporin 133 [Source:ZFIN;Acc:ZDB-GENE-040426-2941]	nup133
ENSDARG00000001721	ENSDARP00000089075	otoconin 90 [Source:ZFIN;Acc:ZDB-GENE-070912-300]	oc90
ENSDARG00000035095	ENSDARP00000042440	one-eyed pinhead [Source:ZFIN;Acc:ZDB-GENE-990415-198]	oep
ENSDARG00000074416	ENSDARP00000104371	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSDARG00000090503	ENSDARP00000119103	OMA1 zinc metalloproteinase [Source:HGNC Symbol;Acc:HGNC:29661]	OMA1
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000024669	ENSDARP00000038323	oxidative stress responsive serine-rich 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1325]	oser1
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000054055	ENSDARP00000070674	osteocrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000095977	ENSDARP00000104503	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2Z5]	OTTDARG00000019147

ENSDARG00000077810	ENSDARP00000124004	OTU domain containing 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5338]	otud4
ENSDARG00000076077	ENSDARP00000051111	ovarian tumor suppressor candidate 2 [Source:ZFIN;Acc:ZDB-GENE-050522-115]	ovca2
ENSDARG00000004736	ENSDARP00000120526	PARK2 co-regulated [Source:ZFIN;Acc:ZDB-GENE-041114-100]	pacrg
ENSDARG000000087556	ENSDARP00000106202	PARK2 co-regulated [Source:HGNC Symbol;Acc:HGNC:19152]	PACRG
ENSDARG000000076716	ENSDARP00000107630	partner and localizer of BRCA2 [Source:ZFIN;Acc:ZDB-GENE-090313-43]	palb2
ENSDARG000000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000016704	ENSDARP00000115236	phenazine biosynthesis-like protein domain containing [Source:HGNC Symbol;Acc:HGNC:23301]	PBLD
ENSDARG000000053130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG000000087386	ENSDARP00000105340	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSDARG000000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSDARG000000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSDARG000000074185	ENSDARP00000104114	proprotein convertase subtilisin/kexin type 9 [Source:ZFIN;Acc:ZDB-GENE-060927-1]	pcsk9
ENSDARG000000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG000000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG000000037108	ENSDARP000000053935	prefoldin subunit 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1589]	pfnd6
ENSDARG000000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG000000035133	ENSDARP000000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG000000097071	ENSDARP00000128738	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PIFO
ENSDARG000000038805	ENSDARP00000056671	phosphatidylinositol glycan, class P [Source:ZFIN;Acc:ZDB-GENE-030131-4041]	plgp
ENSDARG000000053110	ENSDARP000000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG000000092513	ENSDARP00000113826	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG000000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG000000090526	ENSDARP00000093521	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:HGNC:26285]	PLEKHS1
ENSDARG000000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG000000073959	ENSDARP00000101312	pro-melanin concentrating hormone [Source:ZFIN;Acc:ZDB-GENE-041210-150]	pmch
ENSDARG000000087389	ENSDARP00000105222	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG000000043904	ENSDARP000000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnr1c
ENSDARG000000079632	ENSDARP00000119350	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG000000075616	ENSDARP000000099037	polymerase (RNA II (DNA directed)) polypeptide K [Source:ZFIN;Acc:ZDB-GENE-070820-18]	polr2k
ENSDARG000000036394	ENSDARP000000052870	processing of precursor 7, ribonuclease P family, [Source:ZFIN;Acc:ZDB-GENE-041010-88]	pop7
ENSDARG000000069135	ENSDARP000000091169	protein phosphatase 1, regulatory subunit 15A [Source:ZFIN;Acc:ZDB-GENE-030131-4408]	ppp1r15a
ENSDARG000000076280	ENSDARP00000092432	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG000000038941	ENSDARP000000056845	protein phosphatase 1, regulatory (inhibitor) subunit 1C [Source:ZFIN;Acc:ZDB-GENE-040718-273]	ppp1r1c
ENSDARG000000068636	ENSDARP000000090124	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG000000089183	ENSDARP00000128565	protein phosphatase 1, regulatory subunit 32 [Source:ZFIN;Acc:ZDB-GENE-120913-1]	ppp1r32
ENSDARG000000068916	ENSDARP000000059871	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSDARG000000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG000000077377	ENSDARP00000108941	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSDARG000000031126	ENSDARP000000045517	PRKR interacting protein 1 (IL11 inducible) [Source:ZFIN;Acc:ZDB-GENE-111011-2]	prkrip1
ENSDARG000000071735	ENSDARP000000097066	prolactin releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-091204-205]	prlh2
ENSDARG000000026229	ENSDARP000000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG000000086705	ENSDARP00000111395	proline-rich basic protein 1 [Source:HGNC Symbol;Acc:HGNC:41906]	PROB1
ENSDARG000000087393	ENSDARP00000076880	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prrr11
ENSDARG000000093768	ENSDARP00000118798	proline rich 18 [Source:ZFIN;Acc:ZDB-GENE-081107-6]	prrr18
ENSDARG000000097224	ENSDARP00000127713	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSDARG000000093738	ENSDARP00000118323	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSDARG000000091961	ENSDARP00000118249	parathyroid hormone 1b [Source:ZFIN;Acc:ZDB-GENE-040623-2]	pth1b
ENSDARG000000021113	ENSDARP00000009093	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG000000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG000000016122	ENSDARP0000002446	peptidyl-tRNA hydrolase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-081110-2]	ptrhd1
ENSDARG000000094356	ENSDARP00000115572	poliovirus receptor-related 4 [Source:HGNC Symbol;Acc:HGNC:19688]	PVRL4
ENSDARG000000052121	ENSDARP00000002121	recombination activating gene 2 [Source:ZFIN;Acc:ZDB-GENE-990415-235]	rag2
ENSDARG000000077251	ENSDARP00000100727	retinoic acid induced 2 [Source:HGNC Symbol;Acc:HGNC:9835]	RAI2
ENSDARG000000073705	ENSDARP00000114038	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rbfa
ENSDARG000000094896	ENSDARP00000113002	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:27223]	RBM33
ENSDARG000000069758	ENSDARP00000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG000000091135	ENSDARP00000107435	retinal degeneration 3-like [Source:HGNC Symbol;Acc:HGNC:40912]	RD3L
ENSDARG000000069781	ENSDARP000000092601	REC114 meiotic recombination protein [Source:HGNC Symbol;Acc:HGNC:25065]	REC114
ENSDARG000000032200	ENSDARP00000049383	regucalcin [Source:ZFIN;Acc:ZDB-GENE-040718-68]	rgn
ENSDARG000000092463	ENSDARP00000113874	rhomoid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhhdd2
ENSDARG000000086887	ENSDARP00000111167	regulatory subunit of type II PKA R-subunit (Rila) domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26686]	RIIAD1
ENSDARG000000093752	ENSDARP00000118076	RIMS binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-040724-96]	rimbp2
ENSDARG000000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	ritgr
ENSDARG000000089981	ENSDARP00000121982	ring finger protein 146 [Source:ZFIN;Acc:ZDB-GENE-030131-5997]	rnf146
ENSDARG000000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG000000093723	ENSDARP00000122098	ring finger protein 212B [Source:HGNC Symbol;Acc:HGNC:20438]	RNF212B
ENSDARG000000092018	ENSDARP00000119884	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSDARG000000021864	ENSDARP00000033600	ribosomal protein, large, P1 [Source:ZFIN;Acc:ZDB-GENE-030131-8663]	rplp1
ENSDARG000000043404	ENSDARP000000063718	ribonuclease P 21 subunit [Source:ZFIN;Acc:ZDB-GENE-040801-37]	rpp21
ENSDARG000000040350	ENSDARP000000059052	ribonuclease P/MRP 38 subunit [Source:ZFIN;Acc:ZDB-GENE-040718-258]	rpp38
ENSDARG000000025850	ENSDARP000000031181	ribosomal protein S21 [Source:ZFIN;Acc:ZDB-GENE-040426-1102]	rsp21
ENSDARG000000032516	ENSDARP00000045681	ribosomal RNA processing 36 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-9751]	rrp36
ENSDARG000000003941	ENSDARP00000111034	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-9345]	rrs1
ENSDARG000000097485	ENSDARP00000127983	rtnk2a	rtnk2a
ENSDARG000000059238	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG000000045999	ENSDARP000000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	saa
ENSDARG00000005945	ENSDARP00000002453	squamous cell carcinoma antigen recognised by T cells [Source:ZFIN;Acc:ZDB-GENE-040718-422]	sart1
ENSDARG000000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827

ENSDARG00000076148	ENSDARP00000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000095515	ENSDARP00000121586	serologically defined colon cancer antigen 3 [Source:ZFIN;Acc:ZDB-GENE-060526-242]	sdccag3
ENSDARG00000092478	ENSDARP00000113870	succinate dehydrogenase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-050809-56]	sdhaf1
ENSDARG00000055712	ENSDARP00000072578	succinate dehydrogenase complex, subunit D, integral membrane protein a [Source:ZFIN;Acc:ZDB-GENE-040718-192]	sdhda
ENSDARG00000030139	ENSDARP00000039864	succinate dehydrogenase complex, subunit D, integral membrane protein b [Source:ZFIN;Acc:ZDB-GENE-040822-17]	sdhdb
ENSDARG00000045202	ENSDARP00000066451	selenoprotein K [Source:ZFIN;Acc:ZDB-GENE-040912-131]	selk
		sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4b [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000096801	ENSDARP00000127421	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000035136	ENSDARP00000117583	small EDRK-rich factor 2 [Source:ZFIN;Acc:ZDB-GENE-041108-1]	serf2
ENSDARG00000074340	ENSDARP00000109735	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	SERTAD4
ENSDARG00000089795	ENSDARP00000111763	SET domain containing (lysine methyltransferase) 7 [Source:ZFIN;Acc:ZDB-GENE-040718-156]	setd7
ENSDARG00000038858	ENSDARP00000056733	SFT2 domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070907-1]	sft2d3
ENSDARG00000070284	ENSDARP00000093784	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000071541	ENSDARP00000096623	si:busm1-104n07.3 [Source:ZFIN;Acc:ZDB-GENE-030616-99]	si:busm1-104n07.3
ENSDARG00000074510	ENSDARP00000088705	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000089556	ENSDARP00000095706	si:busm1-228j01.4 [Source:ZFIN;Acc:ZDB-GENE-030616-394]	si:busm1-228j01.4
ENSDARG00000088872	ENSDARP00000110668	si:busm1-228j01.5 [Source:ZFIN;Acc:ZDB-GENE-030616-395]	si:busm1-228j01.5
ENSDARG00000079593	ENSDARP00000061131	si:busm1-228j01.6 [Source:ZFIN;Acc:ZDB-GENE-030616-396]	si:busm1-228j01.6
ENSDARG00000041705	ENSDARP00000088910	si:busm1-266f07.2 [Source:ZFIN;Acc:ZDB-GENE-030616-436]	si:busm1-266f07.2
ENSDARG00000031745	ENSDARP00000048447	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-143i10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143i10.2
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-214b20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-231]	si:ch1073-214b20.2
ENSDARG00000060953	ENSDARP00000095476	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-270i17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270i17.3
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-204]	si:ch1073-286c18.5
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSDARG00000074869	ENSDARP00000099238	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-345a8.1 [Source:ZFIN;Acc:ZDB-GENE-091204-447]	si:ch1073-345a8.1
ENSDARG00000092671	ENSDARP00000126819	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-403i13.1 [Source:ZFIN;Acc:ZDB-GENE-100921-25]	si:ch1073-403i13.1
ENSDARG00000001832	ENSDARP00000043524	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-416d2.4
ENSDARG00000097309	ENSDARP00000128603	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-456g16.1 [Source:ZFIN;Acc:ZDB-GENE-131127-434]	si:ch1073-456g16.1
ENSDARG00000097069	ENSDARP00000127597	si:ch1073-66i23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-51]	si:ch1073-66i23.1
ENSDARG00000097702	ENSDARP00000127699	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000079387	ENSDARP00000120072	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000093823	ENSDARP00000115234	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000095800	ENSDARP00000124432	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000095059	ENSDARP00000121016	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000096915	ENSDARP00000129658	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000090862	ENSDARP00000111039	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000097099	ENSDARP00000127824	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000095510	ENSDARP00000121923	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000093821	ENSDARP00000112784	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000087835	ENSDARP00000116673	si:ch211-114i13.9 [Source:ZFIN;Acc:ZDB-GENE-070424-116]	si:ch211-114i13.9
ENSDARG00000092894	ENSDARP00000119259	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097692	ENSDARP00000127884	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000092855	ENSDARP00000116398	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000094251	ENSDARP00000117732	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000092970	ENSDARP00000114378	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094634	ENSDARP00000115029	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122i14.2
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122i24.2
ENSDARG00000095049	ENSDARP00000122846		

ENSDARG00000093906	ENSDARPO0000118951	si:ch211-122i24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122i24.3
ENSDARG00000087004	ENSDARPO0000109898	si:ch211-122i24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122i24.4
ENSDARG00000093018	ENSDARPO0000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARPO0000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARPO0000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARPO0000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARPO0000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARPO0000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARPO0000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000094737	ENSDARPO0000114770	si:ch211-12e13.12 [Source:ZFIN;Acc:ZDB-GENE-070424-121]	si:ch211-12e13.12
ENSDARG00000094016	ENSDARPO0000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARPO0000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000068374	ENSDARPO0000114270	si:ch211-132b12.7 [Source:ZFIN;Acc:ZDB-GENE-050419-250]	si:ch211-132b12.7
ENSDARG00000040250	ENSDARPO0000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000089477	ENSDARPO0000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000092533	ENSDARPO0000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARPO0000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARPO0000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-57]	si:ch211-133n4.6
ENSDARG00000070652	ENSDARPO0000077673	si:ch211-134a4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-523]	si:ch211-134a4.1
ENSDARG00000087076	ENSDARPO0000106633	si:ch211-134a4.2 [Source:ZFIN;Acc:ZDB-GENE-131127-450]	si:ch211-134a4.2
ENSDARG00000087608	ENSDARPO0000111037	si:ch211-134a4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-479]	si:ch211-134a4.3
ENSDARG00000086843	ENSDARPO0000106340	si:ch211-134a4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-265]	si:ch211-134a4.4
ENSDARG00000068861	ENSDARPO0000090515	si:ch211-134a4.5 [Source:ZFIN;Acc:ZDB-GENE-131127-630]	si:ch211-134a4.5
ENSDARG00000097484	ENSDARPO0000127781	si:ch211-134a4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-380]	si:ch211-134a4.6
ENSDARG00000090905	ENSDARPO0000104681	si:ch211-134a4.8 [Source:ZFIN;Acc:ZDB-GENE-131121-290]	si:ch211-134a4.8
ENSDARG00000095593	ENSDARPO0000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARPO0000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARPO0000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARPO0000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARPO0000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARPO0000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000094537	ENSDARPO0000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARPO0000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARPO0000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARPO0000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000093230	ENSDARPO0000115051	si:ch211-139n6.3 [Source:ZFIN;Acc:ZDB-GENE-041111-114]	si:ch211-139n6.3
ENSDARG00000093816	ENSDARPO0000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARPO0000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARPO0000118913	si:ch211-146i0.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i0.7
ENSDARG00000095457	ENSDARPO0000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000023203	ENSDARPO0000067873	si:ch211-147g22.1 [Source:ZFIN;Acc:ZDB-GENE-131127-176]	si:ch211-147g22.1
ENSDARG00000097352	ENSDARPO0000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000094469	ENSDARPO0000112582	si:ch211-148i7.4 [Source:ZFIN;Acc:ZDB-GENE-090313-38]	si:ch211-148i7.4
ENSDARG00000095911	ENSDARPO0000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000079736	ENSDARPO0000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000095420	ENSDARPO0000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARPO0000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARPO0000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000097323	ENSDARPO0000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000068250	ENSDARPO0000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARPO0000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARPO0000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARPO0000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARPO0000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000095612	ENSDARPO0000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARPO0000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARPO0000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARPO0000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARPO0000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000093048	ENSDARPO0000122642	si:ch211-158d24.4 [Source:ZFIN;Acc:ZDB-GENE-081104-141]	si:ch211-158d24.4
ENSDARG00000095885	ENSDARPO0000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARPO0000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000087238	ENSDARPO0000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSDARG00000097407	ENSDARPO0000128768	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSDARG00000096384	ENSDARPO0000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARPO0000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000079185	ENSDARPO0000100815	si:ch211-163m16.7 [Source:ZFIN;Acc:ZDB-GENE-110411-552]	si:ch211-163m16.7
ENSDARG00000095327	ENSDARPO0000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARPO0000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARPO0000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARPO0000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARPO0000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000093987	ENSDARPO0000119324	si:ch211-165f21.7 [Source:ZFIN;Acc:ZDB-GENE-070912-139]	si:ch211-165f21.7
ENSDARG00000095504	ENSDARPO0000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARPO0000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARPO0000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARPO0000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000094794	ENSDARPO0000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARPO0000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7

ENSDARG00000063873	ENSDARPO0000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000093015	ENSDARPO0000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENSDARG00000096522	ENSDARPO0000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARPO0000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4
ENSDARG00000086802	ENSDARPO0000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARPO0000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000096902	ENSDARPO0000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000090807	ENSDARPO0000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000070304	ENSDARPO0000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARPO0000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000097138	ENSDARPO0000128631	si:ch211-191c10.3 [Source:ZFIN;Acc:ZDB-GENE-131127-492]	si:ch211-191c10.3
ENSDARG00000070141	ENSDARPO0000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARPO0000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000094059	ENSDARPO0000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000096966	ENSDARPO0000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARPO0000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARPO0000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG0000007204	ENSDARPO0000064992	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSDARG00000068431	ENSDARPO0000111270	si:ch211-195h23.3 [Source:ZFIN;Acc:ZDB-GENE-070912-174]	si:ch211-195h23.3
ENSDARG00000093337	ENSDARPO0000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARPO0000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000096451	ENSDARPO0000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARPO0000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000095533	ENSDARPO0000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARPO0000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARPO0000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000092310	ENSDARPO0000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000076609	ENSDARPO0000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSDARG00000092029	ENSDARPO0000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000092423	ENSDARPO0000115162	si:ch211-202a12.7 [Source:ZFIN;Acc:ZDB-GENE-060526-77]	si:ch211-202a12.7
ENSDARG00000094706	ENSDARPO0000112794	si:ch211-202a12.8 [Source:ZFIN;Acc:ZDB-GENE-060526-88]	si:ch211-202a12.8
ENSDARG00000093779	ENSDARPO0000116772	si:ch211-202a12.9 [Source:ZFIN;Acc:ZDB-GENE-060526-79]	si:ch211-202a12.9
ENSDARG00000094126	ENSDARPO0000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000096060	ENSDARPO0000125562	si:ch211-202c4.2 [Source:ZFIN;Acc:ZDB-GENE-100922-179]	si:ch211-202c4.2
ENSDARG00000094491	ENSDARPO0000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARPO0000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000090793	ENSDARPO0000126338	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSDARG00000094805	ENSDARPO0000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARPO0000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000096431	ENSDARPO0000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARPO0000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000093111	ENSDARPO0000127975	si:ch211-209i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-682]	si:ch211-209i18.2
ENSDARG00000097483	ENSDARPO0000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000096959	ENSDARPO0000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000045847	ENSDARPO0000067377	si:ch211-214j24.10 [Source:ZFIN;Acc:ZDB-GENE-030131-6301]	si:ch211-214j24.10
ENSDARG00000096037	ENSDARPO0000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-216]	si:ch211-214j24.14
ENSDARG00000091411	ENSDARPO0000106310	si:ch211-214p13.9 [Source:ZFIN;Acc:ZDB-GENE-060503-223]	si:ch211-214p13.9
ENSDARG00000092952	ENSDARPO0000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARPO0000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000039423	ENSDARPO0000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSDARG00000079345	ENSDARPO0000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARPO0000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARPO0000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095434	ENSDARPO0000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000093494	ENSDARPO0000120801	si:ch211-217k17.9 [Source:ZFIN;Acc:ZDB-GENE-061207-21]	si:ch211-217k17.9
ENSDARG00000092364	ENSDARPO0000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000093977	ENSDARPO0000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARPO0000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARPO0000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARPO0000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARPO0000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARPO0000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARPO0000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARPO0000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARPO0000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000071578	ENSDARPO0000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENSDARG00000094425	ENSDARPO0000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARPO0000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000097453	ENSDARPO0000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000097229	ENSDARPO0000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARPO0000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARPO0000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000093422	ENSDARPO0000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARPO0000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARPO0000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARPO0000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARPO0000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARPO0000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000097485	ENSDARPO0000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3

ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-050208-448]	si:ch211-236g6.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237f4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237f4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000054502	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP00000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000092240	ENSDARP00000115403	si:ch211-243a20.3 [Source:ZFIN;Acc:ZDB-GENE-061207-28]	si:ch211-243a20.3
ENSDARG00000041911	ENSDARP00000061416	si:ch211-245h14.1 [Source:ZFIN;Acc:ZDB-GENE-041014-350]	si:ch211-245h14.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097367	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000088251	ENSDARP00000109456	si:ch211-240a10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-240a10.6
ENSDARG00000092199	ENSDARP00000121478	si:ch211-250c4.4 [Source:ZFIN;Acc:ZDB-GENE-081107-32]	si:ch211-250c4.4
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000088736	ENSDARP00000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-2]	si:ch211-250n8.1
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071772	ENSDARP00000097165	si:ch211-253p2.2 [Source:ZFIN;Acc:ZDB-GENE-041111-272]	si:ch211-253p2.2
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000097032	ENSDARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG00000096598	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-207]	si:ch211-260d11.1
ENSDARG00000097284	ENSDARP00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDARG00000091695	ENSDARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDARG00000092738	ENSDARP00000119466	si:ch211-263k4.2 [Source:ZFIN;Acc:ZDB-GENE-081104-207]	si:ch211-263k4.2
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000057903	ENSDARP00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092667	ENSDARP00000122313	si:ch211-271e10.2 [Source:ZFIN;Acc:ZDB-GENE-060526-146]	si:ch211-271e10.2
ENSDARG00000093763	ENSDARP00000114010	si:ch211-271e10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-149]	si:ch211-271e10.6
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-105]	si:ch211-274k16.9
ENSDARG00000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000096398	ENSDARP00000125977	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000091997	ENSDARP00000119847	si:ch211-284e13.11 [Source:ZFIN;Acc:ZDB-GENE-060526-157]	si:ch211-284e13.11
ENSDARG00000094492	ENSDARP00000115320	si:ch211-284e13.12 [Source:ZFIN;Acc:ZDB-GENE-060526-158]	si:ch211-284e13.12
ENSDARG00000097952	ENSDARP00000128286	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSDARG00000093214	ENSDARP00000115113	si:ch211-284e13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-164]	si:ch211-284e13.9
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000087906	ENSDARP00000105853	si:ch211-286k11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-159]	si:ch211-286k11.4
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-61]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000075881	ENSDARP00000104099	si:ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	si:ch211-39k3.2
ENSDARG00000097855	ENSDARP00000128446	si:ch211-30a3.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12]	si:ch211-30a3.9
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2 [Source:ZFIN;Acc:ZDB-GENE-100922-24]	si:ch211-53m15.2
ENSDARG00000013022	ENSDARP00000076012	si:ch211-59h6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-418]	si:ch211-59h6.1

ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000097600	ENSDARP00000128731	si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531]	si:ch211-66h3.4
ENSDARG00000091280	ENSDARP00000109349	si:ch211-66k16.27 [Source:ZFIN;Acc:ZDB-GENE-120709-9]	si:ch211-66k16.27
ENSDARG00000095580	ENSDARP00000119232	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000096242	ENSDARP00000126136	si:ch211-76l23.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8310]	si:ch211-76l23.4
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000070972	ENSDARP00000095408	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000093237	ENSDARP00000122761	si:ch211-89o9.4 [Source:ZFIN;Acc:ZDB-GENE-090313-134]	si:ch211-89o9.4
ENSDARG00000094006	ENSDARP00000121378	si:ch211-8c17.3 [Source:ZFIN;Acc:ZDB-GENE-091204-353]	si:ch211-8c17.3
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000087364	ENSDARP00000105018	si:ch73-140j24.4 [Source:ZFIN;Acc:ZDB-GENE-131120-193]	si:ch73-140j24.4
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070112-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000075932	ENSDARP0000010619	si:ch73-211l2.3 [Source:ZFIN;Acc:ZDB-GENE-081105-52]	si:ch73-211l2.3
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000087107	ENSDARP00000116551	si:ch73-222h13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-144]	si:ch73-222h13.1
ENSDARG00000095939	ENSDARP00000124684	si:ch73-226l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-18]	si:ch73-226l13.2
ENSDARG00000058782	ENSDARP00000128803	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3
ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5 [Source:ZFIN;Acc:ZDB-GENE-070705-225]	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231]	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-30l9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-30l9.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-227]	si:ch73-338a16.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000095806	ENSDARP00000123692	si:ch73-362i18.1 [Source:ZFIN;Acc:ZDB-GENE-110411-182]	si:ch73-362i18.1
ENSDARG00000090164	ENSDARP00000105142	si:ch73-362m14.2 [Source:ZFIN;Acc:ZDB-GENE-120215-235]	si:ch73-362m14.2

ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000094959	ENSDARP00000115333	si:ch73-379f5.5 [Source:ZFIN;Acc:ZDB-GENE-091204-256]	si:ch73-379f5.5
ENSDARG00000096360	ENSDARP00000125874	si:ch73-389b16.1 [Source:ZFIN;Acc:ZDB-GENE-120215-152]	si:ch73-389b16.1
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000097527	ENSDARP00000129687	si:ch73-56d11.3 [Source:ZFIN;Acc:ZDB-GENE-131126-22]	si:ch73-56d11.3
ENSDARG00000053563	ENSDARP00000070081	si:ch73-56d11.4 [Source:ZFIN;Acc:ZDB-GENE-131125-46]	si:ch73-56d11.4
ENSDARG00000093697	ENSDARP00000058026	si:ch73-56p18.4 [Source:ZFIN;Acc:ZDB-GENE-121127-1]	si:ch73-56p18.4
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG0000008537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3
ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3 [Source:ZFIN;Acc:ZDB-GENE-091204-230]	si:dkey-102g19.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106l3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106l3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000095068	ENSDARP00000113430	si:dkey-10h3.3 [Source:ZFIN;Acc:ZDB-GENE-060503-236]	si:dkey-10h3.3
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000093960	ENSDARP00000114887	si:dkey-111e8.5 [Source:ZFIN;Acc:ZDB-GENE-060526-192]	si:dkey-111e8.5
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000096776	ENSDARP00000127194	si:dkey-113d16.9 [Source:ZFIN;Acc:ZDB-GENE-130603-86]	si:dkey-113d16.9
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114l24.2
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000094859	ENSDARP00000120716	si:dkey-11o15.10 [Source:ZFIN;Acc:ZDB-GENE-091204-312]	si:dkey-11o15.10
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000097059	ENSDARP00000127829	si:dkey-159n16.4 [Source:ZFIN;Acc:ZDB-GENE-131120-58]	si:dkey-159n16.4
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042683	ENSDARP00000127287	si:dkey-15j16.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4680]	si:dkey-15j16.3
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3 [Source:ZFIN;Acc:ZDB-GENE-121214-324]	si:dkey-162h11.3
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000092593	ENSDARP00000116632	si:dkey-174k12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-174k12.3
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1

ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000094012	ENSDARP00000112918	si:dkey-192g7.3 [Source:ZFIN;Acc:ZDB-GENE-070912-411]	si:dkey-192g7.3
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-070912-409]	si:dkey-19a16.11
ENSDARG00000095940	ENSDARP00000123841	si:dkey-19a16.12 [Source:ZFIN;Acc:ZDB-GENE-110408-26]	si:dkey-19a16.12
ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13 [Source:ZFIN;Acc:ZDB-GENE-110411-2]	si:dkey-19a16.13
ENSDARG00000091657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200f5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200f5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086655	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-163]	si:dkey-205h23.1
ENSDARG00000096971	ENSDARP00000128158	si:dkey-206p8.1 [Source:ZFIN;Acc:ZDB-GENE-131127-460]	si:dkey-206p8.1
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000041919	ENSDARP00000061433	si:dkey-217m5.3 [Source:ZFIN;Acc:ZDB-GENE-041014-320]	si:dkey-217m5.3
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093303	ENSDARP00000121961	si:dkey-226m8.7 [Source:ZFIN;Acc:ZDB-GENE-060526-259]	si:dkey-226m8.7
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2

ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000069537	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093512	ENSDARP00000116085	si:dkey-238j22.1 [Source:ZFIN;Acc:ZDB-GENE-070705-398]	si:dkey-238j22.1
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000023036	ENSDARP00000093620	si:dkey-23a23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-158]	si:dkey-23a23.2
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000095643	ENSDARP00000096720	si:dkey-253d23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-330]	si:dkey-253d23.3
ENSDARG00000097972	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000032993	ENSDARP00000041769	si:dkey-25o1.9 [Source:ZFIN;Acc:ZDB-GENE-130603-64]	si:dkey-25o1.9
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000094345	ENSDARP00000114878	si:dkey-261i7.2 [Source:ZFIN;Acc:ZDB-GENE-090313-288]	si:dkey-261i7.2
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000089838	ENSDARP00000112312	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000093621	ENSDARP00000118008	si:dkey-27b3.4 [Source:ZFIN;Acc:ZDB-GENE-091204-131]	si:dkey-27b3.4
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000092228	ENSDARP00000114575	si:dkey-27p18.3 [Source:ZFIN;Acc:ZDB-GENE-060526-287]	si:dkey-27p18.3
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000092458	ENSDARP00000117544	si:dkey-282h22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-220]	si:dkey-282h22.5
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000069524	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000069540	ENSDARP00000092070	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1

ENSDARG00000087639	ENSDARP00000107382	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000094587	ENSDARP00000112901	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000045669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52l18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52l18.4
ENSDARG00000096977	ENSDARP00000128999	si:dkey-52p2.4 [Source:ZFIN;Acc:ZDB-GENE-131120-129]	si:dkey-52p2.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10 [Source:ZFIN;Acc:ZDB-GENE-060526-312]	si:dkey-58f10.10
ENSDARG00000094935	ENSDARP00000116305	si:dkey-58f10.11 [Source:ZFIN;Acc:ZDB-GENE-060526-313]	si:dkey-58f10.11
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12 [Source:ZFIN;Acc:ZDB-GENE-060526-314]	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13 [Source:ZFIN;Acc:ZDB-GENE-060526-315]	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14 [Source:ZFIN;Acc:ZDB-GENE-060526-316]	si:dkey-58f10.14
ENSDARG00000094489	ENSDARP00000120147	si:dkey-58f10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-320]	si:dkey-58f10.6
ENSDARG00000091972	ENSDARP00000112844	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSDARG00000091832	ENSDARP00000109844	si:dkey-58f6.2 [Source:ZFIN;Acc:ZDB-GENE-131127-585]	si:dkey-58f6.2
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59l11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59l11.7
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66l17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-448]	si:dkey-69c1.1
ENSDARG00000070057	ENSDARP00000114964	si:dkey-69o16.5 [Source:ZFIN;Acc:ZDB-GENE-081104-432]	si:dkey-69o16.5
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000080675	ENSDARP00000104824	si:dkey-71b5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-124]	si:dkey-71b5.7
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000093458	ENSDARP00000115334	si:dkey-76d14.2 [Source:ZFIN;Acc:ZDB-GENE-070912-580]	si:dkey-76d14.2
ENSDARG00000020548	ENSDARP00000025659	si:dkey-77f5.10 [Source:ZFIN;Acc:ZDB-GENE-131121-133]	si:dkey-77f5.10
ENSDARG00000087331	ENSDARP00000108716	si:dkey-77f5.3 [Source:ZFIN;Acc:ZDB-GENE-030131-5102]	si:dkey-77f5.3
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000089123	ENSDARP00000107117	si:dkey-79d12.2 [Source:ZFIN;Acc:ZDB-GENE-131121-604]	si:dkey-79d12.2
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000090552	ENSDARP00000106870	si:dkey-7j14.6 [Source:ZFIN;Acc:ZDB-GENE-030131-8466]	si:dkey-7j14.6
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095047	ENSDARP00000121197	si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242]	si:dkey-85k15.4
ENSDARG00000094385	ENSDARP0000012862	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSDARG00000094759	ENSDARP00000123537	si:dkey-85k15.7 [Source:ZFIN;Acc:ZDB-GENE-100921-85]	si:dkey-85k15.7

ENSDARG00000043536	ENSDARP00000063916	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88l16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88l16.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093612	ENSDARP00000114776	si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759]	si:dkey-92i17.2
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000092816	ENSDARP00000119053	si:dkey-93n13.2 [Source:ZFIN;Acc:ZDB-GENE-091204-177]	si:dkey-93n13.2
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000095407	ENSDARP00000117530	si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367]	si:dkey-9i23.8
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61]	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515]	si:dkey-9p20.18
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140]	si:dkeyp-100h4.8
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000095437	ENSDARP00000118987	si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455]	si:dkeyp-117b11.3
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000041923	ENSDARP00000123921	si:dkeyp-59a8.1 [Source:ZFIN;Acc:ZDB-GENE-041014-165]	si:dkeyp-59a8.1
ENSDARG00000041835	ENSDARP00000061310	si:dkeyp-59a8.2 [Source:ZFIN;Acc:ZDB-GENE-041014-167]	si:dkeyp-59a8.2
ENSDARG00000041917	ENSDARP00000128783	si:dkeyp-59a8.3 [Source:ZFIN;Acc:ZDB-GENE-041014-163]	si:dkeyp-59a8.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000073704	ENSDARP00000127539	si:dkeyp-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkeyp-72g9.4
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4 [Source:ZFIN;Acc:ZDB-GENE-090313-400]	si:dkeyp-77c8.4
ENSDARG00000095514	ENSDARP00000117258	si:dkeyp-77c8.5 [Source:ZFIN;Acc:ZDB-GENE-090313-401]	si:dkeyp-77c8.5
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000094336	ENSDARP00000115839	si:dkeyp-82a1.6 [Source:ZFIN;Acc:ZDB-GENE-081105-150]	si:dkeyp-82a1.6
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000086255	ENSDARP00000106536	si:rp71-1c10.10 [Source:ZFIN;Acc:ZDB-GENE-130603-55]	si:rp71-1c10.10
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11

ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000044023	ENSDARP00000064632	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSDARG00000089202	ENSDARP00000109920	si:rp71-40n14.6 [Source:ZFIN;Acc:ZDB-GENE-131127-147]	si:rp71-40n14.6
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000076307	ENSDARP00000097822	si:zfos-2070c2.3 [Source:ZFIN;Acc:ZDB-GENE-091204-413]	si:zfos-2070c2.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000095540	ENSDARP00000115207	secreted immunoglobulin domain 1 [Source:ZFIN;Acc:ZDB-GENE-020620-1]	sid1
ENSDARG00000071763	ENSDARP00000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000086639	ENSDARP00000109915	SIVA1, apoptosis-inducing factor [Source:ZFIN;Acc:ZDB-GENE-050506-57]	siva1
ENSDARG00000057272	ENSDARP00000074317	solute carrier family 30 (zinc transporter), member 9 [Source:ZFIN;Acc:ZDB-GENE-040724-254]	slc30a9
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000039069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMC04
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG00000057999	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000089921	ENSDARP00000105599	small integral membrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37257]	SMIM4
ENSDARG00000036473	ENSDARP00000073820	small nuclear RNA activating complex, polypeptide 2, 45kDa [Source:HGNC Symbol;Acc:HGNC:11135]	SNAPC2
ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snn
ENSDARG00000091609	ENSDARP00000106946	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:HGNC:16646]	SPINK4
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000056859	ENSDARP00000073885	sexpin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	SPX
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	sergn
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSDARG00000040799	ENSDARP00000059790	somatostatin 1, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4743]	sst1.1
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000086641	ENSDARP00000112004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stb1
ENSDARG00000056339	ENSDARP00000073251	serine/threonine kinase 31 [Source:HGNC Symbol;Acc:HGNC:11407]	STK31
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000059171	ENSDARP00000076652	sperm-tail PG-rich repeat containing 1 [Source:ZFIN;Acc:ZDB-GENE-070705-373]	stpg1
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000078492	ENSDARP00000100791	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000094010	ENSDARP00000113234	SWT1 RNA endoribonuclease homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041015-373]	swt1
ENSDARG00000058375	ENSDARP00000075687	synaptonemal complex central element protein 2 [Source:ZFIN;Acc:ZDB-GENE-050512-1]	syce2
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000090469	ENSDARP00000099011	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN
ENSDARG00000088950	ENSDARP00000114083	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG0000013438	ENSDARP0000002576	synaptonemal complex protein 3 [Source:ZFIN;Acc:ZDB-GENE-040910-2]	sycp3
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syng2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gt4a
ENSDARG00000036613	ENSDARP00000053182	TGF-beta activated kinase 1/MAP3K7 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-060628-1]	tab1
ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000090402	ENSDARP00000108544	TRAF family member-associated NFkB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSDARG00000067831	ENSDARP00000088485	thymus, brain and testes associated [Source:ZFIN;Acc:ZDB-GENE-121030-4]	tbata
ENSDARG00000058710	ENSDARP00000118728	telomeric repeat binding factor (NIMA-interacting) 1 [Source:ZFIN;Acc:ZDB-GENE-090612-2]	terf1
ENSDARG00000039302	ENSDARP00000057422	telomeric repeat binding factor a [Source:ZFIN;Acc:ZDB-GENE-020419-38]	terfa
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000042714	ENSDARP00000062684	toll-like receptor adaptor molecule 1 [Source:ZFIN;Acc:ZDB-GENE-040219-2]	ticam1
ENSDARG00000036136	ENSDARP00000052473	timeless interacting protein [Source:ZFIN;Acc:ZDB-GENE-040801-189]	tipin
ENSDARG00000074371	ENSDARP00000103037	tol-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSDARG00000077155	ENSDARP00000100247	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25084]	TMEM116
ENSDARG00000095259	ENSDARP00000120390	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSDARG00000068036	ENSDARP00000088932	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000075980	ENSDARP00000127758	transmembrane protein 125b [Source:ZFIN;Acc:ZDB-GENE-080220-54]	tmem125b
ENSDARG00000014506	ENSDARP00000026856	transmembrane protein 126A [Source:ZFIN;Acc:ZDB-GENE-040426-1770]	tmem126a
ENSDARG00000077222	ENSDARP00000099025	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130

ENSDARG00000067681	ENSDARP00000088257	transmembrane protein 141 [Source:ZFIN;Acc:ZDB-GENE-060929-272]	tmem141
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000091058	ENSDARP00000105858	transmembrane protein 173 [Source:ZFIN;Acc:ZDB-GENE-120921-1]	tmem173
ENSDARG00000078659	ENSDARP00000088271	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSDARG00000088981	ENSDARP00000112176	transmembrane protein 220 [Source:HGNC Symbol;Acc:HGNC:33757]	TMEM220
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000090685	ENSDARP00000129286	transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:31723]	TMEM241
ENSDARG00000037070	ENSDARP00000053879	transmembrane protein 242 [Source:ZFIN;Acc:ZDB-GENE-040724-146]	tmem242
ENSDARG00000061553	ENSDARP00000082342	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000042536	ENSDARP00000062374	transmembrane protein 81 [Source:HGNC Symbol;Acc:HGNC:32349]	TMEM81
ENSDARG00000069423	ENSDARP00000112089	transmembrane inner ear [Source:ZFIN;Acc:ZDB-GENE-061207-9]	tmie
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	tmppe
ENSDARG00000077777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tmsb4x
ENSDARG00000076800	ENSDARP00000108376	tumor necrosis factor receptor superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101104-7]	tnfrsf18
ENSDARG00000089868	ENSDARP00000110027	tumor necrosis factor receptor superfamily, member 25 [Source:HGNC Symbol;Acc:HGNC:11910]	TNFRSF25
ENSDARG00000076274	ENSDARP00000098747	tumor necrosis factor ligand superfamily member 6-like (LOC798119), mRNA [Source:RefSeq mRNA;Acc:NM_001281995]	TNFSF14
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomm5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000067717	ENSDARP00000088302	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060825-115]	tomm7
ENSDARG00000041779	ENSDARP00000091815	triadin [Source:ZFIN;Acc:ZDB-GENE-041014-193]	trdn
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000076296	ENSDARP00000101057	triple QxxK/R motif containing [Source:ZFIN;Acc:ZDB-GENE-070705-75]	trixqk
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000036144	ENSDARP00000069747	tumor suppressing subtransferable candidate 4 [Source:HGNC Symbol;Acc:HGNC:12386]	TSSC4
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000038222	ENSDARP00000055736	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-355]	tyw3
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000043857	ENSDARP00000064392	ubiquitin-fold modifier 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2930]	ufm1
ENSDARG00000089679	ENSDARP00000108066	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	UIMC1
ENSDARG00000029351	ENSDARP00000076453	novel gene	ENSDARG00000029351
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897
ENSDARG00000078130	ENSDARP00000129489	novel gene	ENSDARG00000078130
ENSDARG00000069009	ENSDARP00000090818	novel gene	ENSDARG00000069009
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000087114	ENSDARP00000106961	novel gene	ENSDARG00000087114
ENSDARG00000090354	ENSDARP00000111975	novel gene	ENSDARG00000090354
ENSDARG00000091900	ENSDARP00000114807	novel gene	ENSDARG00000091900
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000094861	ENSDARP00000123184	novel gene	ENSDARG00000094861
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000092872	ENSDARP00000113175	uroplakin 3b [Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000096003	ENSDARP00000125277	up-regulated during skeletal muscle growth 5 homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:30889]	USMG5
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VGf nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSDARG00000066916	ENSDARP00000163833	vimentin-type intermediate filament associated coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:33803]	VMAC
ENSDARG00000087039	ENSDARP00000059369	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSDARG00000031836	ENSDARP00000067620	vacuolar protein sorting 37 homolog C (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26097]	VPS37C
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A [Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000011801	ENSDARP00000105711	tryptophanyl tRNA synthetase 2, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-050306-26]	vars2
ENSDARG00000088763	ENSDARP00000106411	WD repeat domain 52 [Source:HGNC Symbol;Acc:HGNC:25631]	WDR52
ENSDARG00000053554	ENSDARP00000070070	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSDARG00000089187	ENSDARP00000105933	WAP four-disulfide core domain 2 [Source:ZFIN;Acc:ZDB-GENE-090313-47]	wfdc2
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000088449	ENSDARP00000111969	wu:fb55g09 [Source:ZFIN;Acc:ZDB-GENE-030131-1009]	wu:fb55g09
ENSDARG00000092222	ENSDARP00000120343	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000054921	ENSDARP00000071675	wu:fd58b11 [Source:ZFIN;Acc:ZDB-GENE-030131-4747]	wu:fd58b11
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089353	ENSDARP00000108702	wu:fj30f06 [Source:ZFIN;Acc:ZDB-GENE-030131-7567]	wu:fj30f06
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000075617	ENSDARP00000100554	wu:fu71h07 [Source:ZFIN;Acc:ZDB-GENE-050302-121]	wu:fu71h07
ENSDARG00000068939	ENSDARP00000090658	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	XAF1
ENSDARG00000010732	ENSDARP00000025376	X-ray repair complementing defective repair in Chinese hamster cells 4 [Source:ZFIN;Acc:ZDB-GENE-040426-1755]	xrcc4
ENSDARG00000054433	ENSDARP00000071098	Yip1 domain family, member 6 [Source:ZFIN;Acc:ZDB-GENE-040625-76]	yipf6

ENSDARG00000069723	ENSDARP00000092460	zinc finger, B-box domain containing [Source:ZFIN;Acc:ZDB-GENE-061207-76]	zbbx
ENSDARG00000067950	ENSDARP00000088712	zinc finger, CCHC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:22916]	ZCCHC2
ENSDARG00000078237	ENSDARP00000100073	zinc finger, CCHC domain containing 3 [Source:HGNC Symbol;Acc:HGNC:16230]	ZCCHC3
ENSDARG00000069102	ENSDARP00000105591	zgc:112962 [Source:ZFIN;Acc:ZDB-GENE-050410-15]	zgc:112962
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000059396	ENSDARP00000076942	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000038271	ENSDARP00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000026616	ENSDARP00000033334	zgc:113425 [Source:ZFIN;Acc:ZDB-GENE-050320-128]	zgc:113425
ENSDARG00000038898	ENSDARP00000122029	zgc:113691 [Source:ZFIN;Acc:ZDB-GENE-050220-7]	zgc:113691
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000020286	ENSDARP00000018440	zgc:123107 [Source:ZFIN;Acc:ZDB-GENE-051113-192]	zgc:123107
ENSDARG00000068465	ENSDARP00000129497	zgc:136254 [Source:ZFIN;Acc:ZDB-GENE-060421-3062]	zgc:136254
ENSDARG00000030440	ENSDARP00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000070423	ENSDARP00000117627	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSDARG00000054054	ENSDARP00000070659	zgc:153219 [Source:ZFIN;Acc:ZDB-GENE-060929-144]	zgc:153219
ENSDARG00000071463	ENSDARP00000096454	zgc:154125 [Source:ZFIN;Acc:ZDB-GENE-061013-717]	zgc:154125
ENSDARG00000070042	ENSDARP00000093252	zgc:158257 [Source:ZFIN;Acc:ZDB-GENE-061215-142]	zgc:158257
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000071808	ENSDARP00000097252	zgc:158852 [Source:ZFIN;Acc:ZDB-GENE-070112-972]	zgc:158852
ENSDARG00000070604	ENSDARP00000094633	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSDARG00000091385	ENSDARP00000092040	zgc:165409 [Source:ZFIN;Acc:ZDB-GENE-070615-19]	zgc:165409
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000090578	ENSDARP00000106207	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000077493	ENSDARP00000096892	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000076721	ENSDARP00000075861	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000075248	ENSDARP00000076126	zgc:172133 [Source:ZFIN;Acc:ZDB-GENE-080204-48]	zgc:172133
ENSDARG00000034403	ENSDARP00000059013	zgc:173443 [Source:ZFIN;Acc:ZDB-GENE-071004-101]	zgc:173443
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000070378	ENSDARP00000093979	chemokine CCL-C25y-like (LOC100000034), mRNA [Source:RefSeq mRNA;Acc:NM_001128808]	ZGC:193706
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078423	ENSDARP00000102754	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSDARG00000074809	ENSDARP00000104364	zgc:194392 [Source:ZFIN;Acc:ZDB-GENE-030131-4774]	zgc:194392
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621

ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000079697	ENSDARP00000097913	zgc:194908 [Source:ZFIN;Acc:ZDB-GENE-081022-164]	zgc:194908
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000074194	ENSDARP00000128856	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSDARG00000076264	ENSDARP00000103963	zgc:195170 [Source:ZFIN;Acc:ZDB-GENE-080723-62]	zgc:195170
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000093754	ENSDARP00000116901	zgc:195195 [Source:ZFIN;Acc:ZDB-GENE-081022-193]	zgc:195195
ENSDARG00000052375	ENSDARP00000117811	zgc:66455 [Source:ZFIN;Acc:ZDB-GENE-040426-1642]	zgc:66455
ENSDARG00000075916	ENSDARP00000119811	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSDARG00000056381	ENSDARP00000073333	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSDARG00000032405	ENSDARP00000049169	zgc:85975 [Source:ZFIN;Acc:ZDB-GENE-040426-2417]	zgc:85975
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zglp1
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000000760	ENSDARP00000106376	zinc finger protein 511 [Source:ZFIN;Acc:ZDB-GENE-030616-621]	znf511
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000054574	ENSDARP00000071271	zinc finger, HIT-type containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-272]	znhit1
ENSDARG00000095817	ENSDARP00000124832	zinc finger, HIT-type containing 6 [Source:HGNC Symbol;Acc:HGNC:26089]	ZNHIT6
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20

Supplemental table 5. Zebrafish specific genes compared to fugu

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000074940	ENSDARP00000114895	selenoprotein 15 [Source:ZFIN;Acc:ZDB-GENE-030327-1]	sep15
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000053518	ENSDARP00000098935	alcohol dehydrogenase, iron containing, 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2070]	adhfe1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000077082	ENSDARP00000104107	angiotensin II receptor-associated protein [Source:ZFIN;Acc:ZDB-GENE-050309-11]	agtrap
ENSDARG00000093453	ENSDARP00000125812	AT hook, DNA binding motif, containing 1 [Source:ZFIN;Acc:ZDB-GENE-060503-584]	ahdc1
ENSDARG00000038655	ENSDARP00000056434	adherens junctions associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-041210-353]	ajap1
ENSDARG00000069037	ENSDARP00000090899	A kinase (PKA) interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1170]	AKIP1
ENSDARG00000087110	ENSDARP00000109274	AT-hook transcription factor [Source:HGNC Symbol;Acc:HGNC:24108]	AKNA
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000087204	ENSDARP00000111981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXQ1]	AL807829.1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QID2]	AL928685.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBZ3]	AL928685.3
ENSDARG00000087621	ENSDARP00000112423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RC42]	AL928837.1
ENSDARG00000035651	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q92]	AL928887.2
ENSDARG00000074684	ENSDARP00000088599	malate synthase-like (LOC564844), mRNA [Source:RefSeq mRNA;Acc:NM_001201408]	AL929007.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000086813	ENSDARP00000107720	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Z2]	AL929239.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000086827	ENSDARP00000109924	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QC2]	AL929327.1
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2K1]	AL929520.1
ENSDARG00000089500	ENSDARP00000111945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QEH7]	AL935128.1
ENSDARG00000086564	ENSDARP00000106471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC43]	AL935184.1
ENSDARG00000025046	ENSDARP00000035665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FG49]	AL935186.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000091804	ENSDARP00000108024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAD1]	AL935274.1
ENSDARG00000087367	ENSDARP00000106264	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDP5]	AL953847.1
ENSDARG00000087537	ENSDARP00000111120	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B8]	AL954676.2
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000074779	ENSDARP00000098408	Alstrom syndrome 1 [Source:HGNC Symbol;Acc:HGNC:428]	ALMS1
ENSDARG00000095819	ENSDARP00000129625	APC membrane recruitment protein 3 [Source:HGNC Symbol;Acc:HGNC:26771]	AMER3
ENSDARG00000013856	ENSDARP00000021453	amylase, alpha 2A; pancreatic [Source:ZFIN;Acc:ZDB-GENE-040426-2393]	amy2a
ENSDARG00000089248	ENSDARP00000105587	archaeysin family metalloproteinase 2 [Source:HGNC Symbol;Acc:HGNC:28041]	AMZ2
ENSDARG00000088514	ENSDARP00000105441	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSDARG00000079302	ENSDARP00000102064	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000090900	ENSDARP00000106897	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSDARG00000092170	ENSDARP00000121190	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSDARG00000092155	ENSDARP00000112765	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSDARG00000090980	ENSDARP00000110505	apolipoprotein F [Source:ZFIN;Acc:ZDB-GENE-031204-36]	apof
ENSDARG00000076838	ENSDARP00000123136	apolipoprotein M [Source:ZFIN;Acc:ZDB-GENE-010605-5]	apom
ENSDARG00000019223	ENSDARP00000013189	arginine and glutamate rich 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2914]	arglu1a
ENSDARG00000018319	ENSDARP00000014072	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSDARG00000091766	ENSDARP00000110772	Rho guanine nucleotide exchange factor (GEF) 17 [Source:HGNC Symbol;Acc:HGNC:21726]	ARHGEF17
ENSDARG00000097964	ENSDARP00000128681	Rho guanine nucleotide exchange factor (GEF) 33 [Source:HGNC Symbol;Acc:HGNC:37252]	ARHGEF33
ENSDARG00000071013	ENSDARP00000100952	ADP-ribosylation-like factor 6 interacting protein 6 [Source:ZFIN;Acc:ZDB-GENE-070410-117]	arf6ip6
ENSDARG00000096940	ENSDARP00000128878	arpc1a	arpc1a
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000087693	ENSDARP00000105610	ATX1 antioxidant protein 1 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-120720-2]	atox1
ENSDARG00000095897	ENSDARP00000124085	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit [Source:ZFIN;Acc:ZDB-GENE-110411-22]	atp5e
ENSDARG00000078113	ENSDARP00000098791	ATP synthase, H+ transporting, mitochondrial FO complex, subunit e, duplicate a [Source:ZFIN;Acc:ZDB-GENE-070928-12]	atp5ia
		ATP synthase, H+ transporting, mitochondrial FO complex, subunit e, duplicate b [Source:ZFIN;Acc:ZDB-GENE-051130-1]	
ENSDARG00000068940	ENSDARP00000090664		atp5ib
ENSDARG00000096597	ENSDARP00000126938	ATP5S-like [Source:HGNC Symbol;Acc:HGNC:25496]	ATP5SL
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000071046	ENSDARP00000095567	BBSome interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-445]	bbip1
ENSDARG00000016112	ENSDARP00000012805	Bardet-Biedl syndrome 12 [Source:ZFIN;Acc:ZDB-GENE-070626-3]	bbs12
ENSDARG00000041621	ENSDARP00000060999	Bardet-Biedl syndrome 2 [Source:ZFIN;Acc:ZDB-GENE-020801-1]	bbs2
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000090625	ENSDARP00000107570	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:HGNC:13787]	BCL2L12
		B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB [Source:HGNC Symbol;Acc:HGNC:13652]	
ENSDARG00000053091	ENSDARP00000111806		BDP1

ENSDARG00000058978	ENSDARP00000076399	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSDARG00000032037	ENSDARP00000120037	blocked early in transport 1 homolog (S. cerevisiae)-like [Source:ZFIN;Acc:ZDB-GENE-040822-2]	bet1l
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000014171	ENSDARP00000013120	biogenesis of lysosome-related organelles complex-1, subunit 1 [Source:ZFIN;Acc:ZDB-GENE-050208-569]	bloc1s1
ENSDARG00000042933	ENSDARP00000122569	biogenesis of lysosomal organelles complex-1, subunit 6, pallidin [Source:ZFIN;Acc:ZDB-GENE-070112-1862]	bloc1s6
ENSDARG00000096603	ENSDARP00000126692	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSDARG000000041414	ENSDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000042688	ENSDARP00000062627	bora, aurora kinase A activator [Source:ZFIN;Acc:ZDB-GENE-041114-165]	bora
ENSDARG00000086265	ENSDARP00000107868	Barlter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000096095	ENSDARP00000125536	bucky ball [Source:ZFIN;Acc:ZDB-GENE-070117-694]	buc
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB17]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG0000007067	ENSDARP0000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3E7]	BX004857.1
ENSDARG00000078137	ENSDARP00000097825	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQJ5]	BX004857.3
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000055446	ENSDARP00000072273	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Y4]	BX004983.1
ENSDARG00000077273	ENSDARP00000098164	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK12]	BX005012.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000088089	ENSDARP00000105281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W8]	BX005073.1
ENSDARG00000086468	ENSDARP00000107283	chemokine CCL-CUe (LOC100000741), mRNA [Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDARG00000077575	ENSDARP00000103142	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAH1]	BX005223.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F888]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000089146	ENSDARP00000110490	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8U7]	BX005223.4
ENSDARG00000089211	ENSDARP00000107426	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F356]	BX005223.5
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000076358	ENSDARP00000076481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9H8]	BX005329.1
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000090919	ENSDARP00000107528	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2P1]	BX005356.3
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000090493	ENSDARP00000099766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1U5]	BX005380.2
ENSDARG00000031624	ENSDARP00000047076	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS88]	BX005421.1
ENSDARG00000074607	ENSDARP00000049592	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6X1]	BX005421.3
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV45]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000074637	ENSDARP00000097782	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS40]	BX088696.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9G5Y3]	BX088712.2
ENSDARG00000088126	ENSDARP00000109745	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDA9]	BX119963.2
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F755]	BX248120.1
ENSDARG00000088777	ENSDARP00000111584	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZP1]	BX248508.1
ENSDARG00000037342	ENSDARP00000054331	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6L9]	BX255896.1
ENSDARG00000089295	ENSDARP00000105461	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ9]	BX255962.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000086419	ENSDARP00000107255	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F536]	BX284672.2
ENSDARG00000091479	ENSDARP00000091762	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F105]	BX296538.3
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000056449	ENSDARP00000073409	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXH3]	BX321875.1
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8W5Q1]	BX322587.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000089864	ENSDARP00000106907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8N7]	BX323573.1
ENSDARG00000087297	ENSDARP00000106168	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8Z8]	BX323793.1
ENSDARG00000087551	ENSDARP00000110443	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8Y8]	BX323793.2
ENSDARG00000088410	ENSDARP00000108686	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q4]	BX323793.3
ENSDARG00000091559	ENSDARP00000108366	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F812]	BX323793.4
ENSDARG00000030778	ENSDARP00000040280	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBP5]	BX323854.2
ENSDARG00000089328	ENSDARP00000108841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGB7]	BX323854.4
ENSDARG00000077309	ENSDARP00000101017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCG6]	BX323861.1
ENSDARG00000090688	ENSDARP00000105752	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZH4]	BX323994.1
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYH7]	BX324163.1
ENSDARG00000088348	ENSDARP00000105950	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3F8]	BX324210.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA [Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBMB6]	BX465187.1
ENSDARG00000088978	ENSDARP00000105277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP17]	BX465203.2
ENSDARG00000090265	ENSDARP00000104527	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ10]	BX465203.3
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSP7]	BX469930.1

ENSDARG00000091543	ENSDARP00000112186	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FES9]	BX469930.2
ENSDARG00000090260	ENSDARP00000107985	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FP3P]	BX470083.4
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000089019	ENSDARP00000111328	uncharacterized LOC568697 (LOC568697), mRNA	[Source:RefSeq mRNA;Acc:NM_001198864]	BX470131.2
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000086932	ENSDARP00000106425	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QL22]	BX470224.1
ENSDARG00000087523	ENSDARP00000110555	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWT1]	BX470224.2
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000087122	ENSDARP00000108005	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF1]	BX511061.2
ENSDARG00000087202	ENSDARP00000103959	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6A9]	BX511066.1
ENSDARG00000087370	ENSDARP00000105580	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFT1]	BX511080.1
ENSDARG00000055263	ENSDARP00000072062	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R883]	BX511172.1
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000091334	ENSDARP00000107124	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0J1]	BX511252.1
ENSDARG00000089876	ENSDARP00000106103	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F941]	BX511270.1
ENSDARG00000056677	ENSDARP00000109313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZA6]	BX530018.2
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E2D7]	BX530062.1
ENSDARG00000086015	ENSDARP00000104891	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBN3]	BX537109.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000052294	ENSDARP00000068611	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1T5]	BX537277.1
ENSDARG00000089736	ENSDARP00000110857	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRG6]	BX537277.3
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY68]	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000058110	ENSDARP00000075367	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBS3]	BX546499.1
ENSDARG00000092602	ENSDARP00000114151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ39]	BX546499.2
ENSDARG00000057305	ENSDARP00000100375	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RD92]	BX547930.1
ENSDARG00000089881	ENSDARP00000110361	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9W8]	BX547934.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000052949	ENSDARP00000069387	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q9X3]	BX548047.1
ENSDARG00000094120	ENSDARP00000121241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC76]	BX548047.2
ENSDARG00000036085	ENSDARP00000032169	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZM3]	BX571811.1
ENSDARG00000095082	ENSDARP00000113618	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9H7]	BX571811.2
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTU8]	BX572078.1
ENSDARG00000046057	ENSDARP00000067714	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9T8]	BX572619.1
ENSDARG00000086127	ENSDARP00000067869	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAH9]	BX572619.2
ENSDARG00000087161	ENSDARP00000110996	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVX1]	BX572619.3
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA	[Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000086783	ENSDARP00000109419	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY57]	BX640547.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYM7]	BX649431.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000091327	ENSDARP00000108393	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTX3]	BX649516.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4T9]	BX649524.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000088503	ENSDARP00000107454	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3L5]	BX682234.2
ENSDARG00000055813	ENSDARP00000072675	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0G0]	BX682558.1
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY13]	BX897747.3
ENSDARG00000073987	ENSDARP00000104376	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZX8]	BX901889.1
ENSDARG00000076463	ENSDARP00000103747	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F717]	BX901889.2
ENSDARG00000077036	ENSDARP00000101856	trac-like (LOC100331689), mRNA	[Source:RefSeq mRNA;Acc:NM_001199372]	BX901889.3
ENSDARG00000079242	ENSDARP00000101634	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBQ6]	BX901889.4
ENSDARG00000087496	ENSDARP00000099469	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F545]	BX901889.5
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE2E]	BX901974.1
ENSDARG00000053649	ENSDARP00000070181	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QPY2]	BX927082.1
ENSDARG00000073793	ENSDARP00000101624	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9I7]	BX927234.2
ENSDARG00000089800	ENSDARP00000104769	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXZ8]	BX927237.2
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000071141	ENSDARP00000095738	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8R2]	BX927308.2
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000078007	ENSDARP00000102649	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q143]	BX936298.1
ENSDARG00000086036	ENSDARP00000111181		BX936364.1	BX936364.1
ENSDARG00000091087	ENSDARP00000109856	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCA4]	BX936371.1
ENSDARG00000088863	ENSDARP00000068505	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLE7]	BX936412.1
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBN0]	BX936450.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000070301	ENSDARP00000093806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R099]	BX950203.1
ENSDARG00000086767	ENSDARP00000106915	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8N3]	BX957252.1

ENSDARG00000057102	ENSDARP00000074158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDT2]	BX957274.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000068982	ENSDARP00000090764	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C10H11orf63
ENSDARG00000092776	ENSDARP00000118420	chromosome 5 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:25801]	C10H5orf42
ENSDARG00000095594	ENSDARP00000116545	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40051]	C10H5orf63
ENSDARG00000076890	ENSDARP00000100958	chromosome 19 open reading frame 25 [Source:HGNC Symbol;Acc:HGNC:26711]	C11H19orf25
ENSDARG00000070229	ENSDARP00000093672	chromosome 1 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28667]	C11H1orf116
ENSDARG00000032885	ENSDARP00000046158	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Acc:HGNC:28567]	C11H1orf158
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H20orf96
ENSDARG00000086324	ENSDARP00000109297	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc:HGNC:25024]	C11H3orf14
ENSDARG00000088036	ENSDARP00000111219	chromosome 11 open reading frame 95 [Source:HGNC Symbol;Acc:HGNC:28449]	C11orf95
ENSDARG00000086310	ENSDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H10orf107
ENSDARG00000086945	ENSDARP00000110271	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C12H10orf71
ENSDARG00000089828	ENSDARP00000112326	chromosome 10 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25822]	C12H10orf88
ENSDARG00000089024	ENSDARP00000112494	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Acc:HGNC:26563]	C12H10orf90
ENSDARG00000096777	ENSDARP00000127203	chromosome 16 open reading frame 93 [Source:HGNC Symbol;Acc:HGNC:28078]	C12H16orf93
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSDARG00000053520	ENSDARP00000063437	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C12H7orf62
ENSDARG00000057166	ENSDARP00000114080	chromosome 10 open reading frame 11 [Source:HGNC Symbol;Acc:HGNC:23405]	C13H10orf11
ENSDARG00000055070	ENSDARP00000071850	C10orf32-ASMT readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:49183]	C13H10orf32
ENSDARG00000069363	ENSDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H10orf53
ENSDARG00000086970	ENSDARP00000106442	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C13H10orf71
ENSDARG00000078140	ENSDARP00000101672	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]	C13H2orf50
ENSDARG00000089552	ENSDARP00000109836	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:26850]	C13H2orf61
ENSDARG00000077614	ENSDARP00000099360	chromosome 6 open reading frame 203 [Source:HGNC Symbol;Acc:HGNC:17971]	C13H6orf203
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000037142	ENSDARP00000054005	chromosome 4 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:34346]	C14H4orf47
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14Horf65
ENSDARG00000016724	ENSDARP00000115814	chromosome 11 open reading frame 57 [Source:HGNC Symbol;Acc:HGNC:25569]	C15H11orf57
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000091366	ENSDARP00000108496	chromosome 14 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:20127]	C17H14orf80
ENSDARG00000073962	ENSDARP00000102439	chromosome 15 open reading frame 57 [Source:HGNC Symbol;Acc:HGNC:28295]	C17H15orf57
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG00000070413	ENSDARP00000087698	chromosome 18 open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:28802]	C19H18orf21
ENSDARG00000090951	ENSDARP00000110613	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	C19H1orf216
ENSDARG00000059354	ENSDARP00000076889	chromosome 1 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:29436]	C19H1orf85
ENSDARG00000074049	ENSDARP00000103805	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:27028]	C19H5orf49
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000087611	ENSDARP00000104465	chromosome 9 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:24513]	C19H9orf91
ENSDARG00000040546	ENSDARP00000059340	chromosome 11 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:26938]	C1H11orf73
ENSDARG00000060187	ENSDARP00000092184	chromosome 19 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:34354]	C1H19orf67
ENSDARG00000039887	ENSDARP00000121339	complement component 1, q subcomponent binding protein [Source:ZFIN;Acc:ZDB-GENE-050417-408]	c1qbp
ENSDARG00000078606	ENSDARP00000090931	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Acc:HGNC:25332]	C20H1orf131
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000071487	ENSDARP00000104440	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C21H18orf54
ENSDARG00000090747	ENSDARP00000104703	chromosome 5 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:20656]	C21H5orf15
ENSDARG00000044480	ENSDARP00000065317	chromosome X open reading frame 40A [Source:HGNC Symbol;Acc:HGNC:28089]	C21Horf40A
ENSDARG00000090673	ENSDARP00000105589	chromosome 19 open reading frame 44 [Source:HGNC Symbol;Acc:HGNC:26141]	C22H19orf44
ENSDARG00000071378	ENSDARP00000096258	chromosome 19 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33702]	C22H19orf70
ENSDARG00000074827	ENSDARP00000099705	chromosome 1 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28667]	C23H1orf116
ENSDARG00000098029	ENSDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSDARG00000070868	ENSDARP00000083775	chromosome 1 open reading frame 192 [Source:HGNC Symbol;Acc:HGNC:33235]	C23H1orf192
ENSDARG00000074790	ENSDARP00000100542	chromosome 20 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:15870]	C23H20orf24
ENSDARG00000019332	ENSDARP00000043608	chromosome 11 open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:28519]	C24H11orf65
ENSDARG00000089979	ENSDARP00000117470	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C24H18orf63
ENSDARG00000045254	ENSDARP00000066555	chromosome 7 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:22421]	C24H7orf50
ENSDARG00000097630	ENSDARP00000128389	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:32235]	C24H8orf59
ENSDARG00000089303	ENSDARP00000104692	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:1174]	C25H11orf24
ENSDARG00000089139	ENSDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSDARG00000097208	ENSDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSDARG00000045797	ENSDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSDARG00000097310	ENSDARP00000128166	chromosome 15 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:28443]	C25H15orf40
ENSDARG00000076896	ENSDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C2H10orf67
ENSDARG00000042671	ENSDARP00000062590	chromosome 1 open reading frame 27 [Source:HGNC Symbol;Acc:HGNC:24299]	C2H1orf27
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000052176	ENSDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000078192	ENSDARP00000100437	chromosome 12 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26456]	C4H12orf55
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000092445	ENSDARP00000113437	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5H5orf34
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000068122	ENSDARP00000116312	chromosome 9 open reading frame 171 [Source:HGNC Symbol;Acc:HGNC:33776]	C5H9orf171
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9
ENSDARG00000067981	ENSDARP00000069117	chromosome X open reading frame 56 [Source:HGNC Symbol;Acc:HGNC:26239]	C5HXorf56
ENSDARG00000089625	ENSDARP00000105071	chromosome 17 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:27900]	C6H17orf67
ENSDARG00000075814	ENSDARP00000099890	chromosome 1 open reading frame 146 [Source:HGNC Symbol;Acc:HGNC:24032]	C6H1orf146

ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]	C6H21orf58
ENSDARG00000052428	ENSDARP00000068770	chromosome 22 open reading frame 23 [Source:HGNC Symbol;Acc:HGNC:18589]	C6H22orf23
ENSDARG00000039477	ENSDARP00000057676	chromosome 15 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28520]	C7H15orf43
ENSDARG00000046141	ENSDARP00000067842	chromosome 12 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:25719]	C8H12orf43
ENSDARG00000034457	ENSDARP00000048622	chromosome 1 open reading frame 194 [Source:HGNC Symbol;Acc:HGNC:32331]	C8H1orf194
ENSDARG00000092360	ENSDARP00000115603	chromosome 22 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:27012]	C8H22orf39
ENSDARG00000058940	ENSDARP00000076347	chromosome 9 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28435]	C8H9orf116
ENSDARG00000069671	ENSDARP00000092338	chromosome 2 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:26198]	C9H2orf47
ENSDARG00000087317	ENSDARP00000111247	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJZ4]	CABZ01001819.1
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYV7]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000031496	ENSDARP00000041467	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F124]	CABZ01003022.1
ENSDARG00000088613	ENSDARP00000111442	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ97]	CABZ01006178.1
ENSDARG00000091256	ENSDARP00000106404	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYG0]	CABZ01007829.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWG5]	CABZ01015787.1
ENSDARG00000090401	ENSDARP00000111760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP8]	CABZ01020840.1
ENSDARG00000093712	ENSDARP00000115408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QGG4]	CABZ01021530.1
ENSDARG00000086315	ENSDARP00000110975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F657]	CABZ01021532.1
ENSDARG00000088918	ENSDARP00000110294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBF2]	CABZ01021532.2
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOX2]	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXCO]	CABZ01029900.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYM4]	CABZ01029902.2
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000039596	ENSDARP00000057857	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8S8]	CABZ01031613.1
ENSDARG00000059039	ENSDARP00000076471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F911]	CABZ01031753.1
ENSDARG00000039164	ENSDARP00000057223	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAH6]	CABZ01031754.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QC7]	CABZ01031933.1
ENSDARG00000076088	ENSDARP00000098420	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QF83]	CABZ01032351.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC56]	CABZ01032352.1
ENSDARG00000075148	ENSDARP00000101417	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY15]	CABZ01033874.1
ENSDARG00000090985	ENSDARP00000108221	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8K5]	CABZ01034531.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRJ9]	CABZ01034702.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CABZ01038802.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA [Source:RefSeq mRNA;Acc:NM_001172308]	CABZ01040055.1
ENSDARG00000057335	ENSDARP00000098990	polymeric immunoglobulin receptor-like (LOC100003983), mRNA [Source:RefSeq mRNA;Acc:NM_001083878]	CABZ01040076.1
ENSDARG00000076082	ENSDARP00000090190	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBB2]	CABZ01041962.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1	CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000089661	ENSDARP00000107762	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOX5]	CABZ01045230.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8V8]	CABZ01046425.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R900]	CABZ01046427.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2R9]	CABZ01046432.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000086420	ENSDARP00000107384	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4C8]	CABZ01046949.1
ENSDARG00000059514	ENSDARP00000077236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFU2]	CABZ01046996.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000075475	ENSDARP00000098111	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXU5]	CABZ01049117.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1	CABZ01052573.1
ENSDARG00000087460	ENSDARP00000104819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXL0]	CABZ01052953.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR51]	CABZ01053196.1
ENSDARG00000090923	ENSDARP00000106342	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000086974	ENSDARP00000112255	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ2E]	CABZ01055017.1
ENSDARG00000089208	ENSDARP00000111508	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1FEV3]	CABZ01055343.4
ENSDARG00000087246	ENSDARP00000109975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ09]	CABZ01055715.1
ENSDARG00000089832	ENSDARP00000109479	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHI4]	CABZ01056274.1
ENSDARG00000088172	ENSDARP00000110603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QVC1]	CABZ01056518.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1

ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CABZ01058371.1
ENSDARG00000091236	ENSDARP00000104528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R1M3]	CABZ01058646.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CABZ01058871.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1
ENSDARG00000079047	ENSDARP00000102812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1H2]	CABZ01061496.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q5S5]	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000090774	ENSDARP00000109407	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYU0]	CABZ01062995.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY6P]	CABZ01063534.1
ENSDARG00000086267	ENSDARP00000111718	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYU4]	CABZ01063556.1
ENSDARG00000089402	ENSDARP00000105234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Y9]	CABZ01063841.1
ENSDARG00000077346	ENSDARP00000099878	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4N5]	CABZ01064799.1
ENSDARG00000063315	ENSDARP00000111345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CABZ01064968.1
ENSDARG00000089818	ENSDARP00000110175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CABZ01064968.2
ENSDARG00000090576	ENSDARP00000104820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY83]	CABZ01064968.3
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXS8]	CABZ01064972.2
ENSDARG00000091311	ENSDARP00000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZA6]	CABZ01064973.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP00000109290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000034063	ENSDARP00000020089	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED8]	CABZ01068208.1
ENSDARG00000090696	ENSDARP00000105179	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFD7]	CABZ01068272.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000075662	ENSDARP00000103795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6P2]	CABZ01071283.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDF5]	CABZ01071911.1
ENSDARG00000087627	ENSDARP00000106198	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE48]	CABZ01072159.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXIO]	CABZ01072487.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087471	ENSDARP00000111132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B1]	CABZ01072828.1
ENSDARG00000091638	ENSDARP00000106375	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QM44]	CABZ01072989.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000010729	ENSDARP00000022947	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R223]	CABZ01073795.1
ENSDARG00000088572	ENSDARP00000105463	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5T4]	CABZ01074647.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWM4]	CABZ01074659.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000090396	ENSDARP00000107917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F481]	CABZ01074946.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG00000093611	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F044]	CABZ01077220.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBB6]	CABZ01077223.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000090839	ENSDARP00000107098	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F146]	CABZ01077449.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGP0]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXD1]	CABZ01078610.1
ENSDARG00000091487	ENSDARP00000109648	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY99]	CABZ01078634.2
ENSDARG00000091219	ENSDARP00000108311	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F858]	CABZ01078767.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FPF3]	CABZ01079386.1
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLL4]	CABZ01079490.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYX7]	CABZ01079804.2
ENSDARG00000089035	ENSDARP00000112012	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH40]	CABZ01080224.1

ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000078664	ENSDARP00000102131	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY27]	CABZ01080599.1
ENSDARG00000087169	ENSDARP00000109045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYU7]	CABZ01081375.1
ENSDARG00000086201	ENSDARP00000109600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QF47]	CABZ01081490.1
ENSDARG00000077989	ENSDARP00000096272	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4C7]	CABZ01081674.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000087632	ENSDARP00000104796	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0P6]	CABZ01083502.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FES5]	CABZ01083815.1
ENSDARG00000076971	ENSDARP00000050388	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHF3]	CABZ01084503.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000089451	ENSDARP00000108957	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F692]	CABZ01084846.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000090436	ENSDARP00000102633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F373]	CABZ01085858.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000091816	ENSDARP00000110637	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7R848]	CABZ01088039.1
ENSDARG00000086023	ENSDARP00000104637	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CABZ01088061.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS9Y]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01111604.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000079534	ENSDARP00000103731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F720]	CABZ01112215.1
ENSDARG00000092026	ENSDARP00000121632	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFA1]	CABZ01112215.2
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000089657	ENSDARP00000106666	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAY5]	CABZ01113414.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CK2]	CABZ01118775.1
ENSDARG00000095224	ENSDARP00000115116	calmodulin-lysine N-methyltransferase [Source:ZFIN;Acc:ZDB-GENE-090313-49]	camkmt
ENSDARG00000058486	ENSDARP00000075799	calyphosine 2 [Source:ZFIN;Acc:ZDB-GENE-091204-449]	caps2
ENSDARG00000019950	ENSDARP00000118967	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103 [Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccdc103
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000091872	ENSDARP00000121330	coiled-coil domain containing 117 [Source:HGNC Symbol;Acc:HGNC:26599]	CCDC117
ENSDARG00000086557	ENSDARP00000108741	coiled-coil domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-120215-134]	ccdc14
ENSDARG00000091927	ENSDARP00000059450	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000004780	ENSDARP00000024005	coiled-coil domain containing 142 [Source:HGNC Symbol;Acc:HGNC:25889]	CCDC142
ENSDARG00000067517	ENSDARP00000087932	coiled-coil domain containing 15 [Source:HGNC Symbol;Acc:HGNC:25798]	CCDC15
ENSDARG00000090935	ENSDARP00000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000045850	ENSDARP00000067379	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGNC:21239]	CCDC167
ENSDARG00000089570	ENSDARP00000122848	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSDARG00000016161	ENSDARP00000109073	coiled-coil domain containing 170 [Source:ZFIN;Acc:ZDB-GENE-070112-162]	ccdc170
ENSDARG00000027381	ENSDARP00000123818	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGNC:29828]	CCDC171
ENSDARG00000089320	ENSDARP00000129277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSDARG00000090429	ENSDARP00000116840	coiled-coil domain containing 178 [Source:HGNC Symbol;Acc:HGNC:29588]	CCDC178
ENSDARG00000032372	ENSDARP00000106261	coiled-coil domain containing 180 [Source:HGNC Symbol;Acc:HGNC:29303]	CCDC180
ENSDARG00000086898	ENSDARP00000108444	Coiled-coil domain-containing protein 23 (ccdc23), mRNA [Source:RefSeq mRNA;Acc:NM_001202432]	CCDC23
ENSDARG00000038793	ENSDARP00000117032	coiled-coil domain containing 24 [Source:ZFIN;Acc:ZDB-GENE-050327-18]	ccdc24
ENSDARG00000021753	ENSDARP00000030117	coiled-coil domain containing 25 [Source:ZFIN;Acc:ZDB-GENE-040426-1389]	ccdc25
ENSDARG00000056961	ENSDARP00000073993	coiled-coil domain containing 30 [Source:HGNC Symbol;Acc:HGNC:26103]	CCDC30
ENSDARG00000051858	ENSDARP00000068063	coiled-coil domain containing 33 [Source:ZFIN;Acc:ZDB-GENE-101011-1]	ccdc33
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000016813	ENSDARP00000013683	coiled-coil domain containing 40 [Source:ZFIN;Acc:ZDB-GENE-060503-723]	ccdc40
ENSDARG00000035550	ENSDARP00000051529	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccdc42b
ENSDARG00000089863	ENSDARP00000104714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY31]	CCDC57
ENSDARG00000071314	ENSDARP00000096141	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000017771	ENSDARP00000070338	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGNC:27709]	CCDC66
ENSDARG00000071570	ENSDARP000000118626	coiled-coil domain containing 71 [Source:HGNC Symbol;Acc:HGNC:25760]	CCDC71
ENSDARG00000093805	ENSDARP00000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccdc73
ENSDARG00000093026	ENSDARP00000120045	coiled-coil domain containing 74B [Source:HGNC Symbol;Acc:HGNC:25267]	CCDC74B
ENSDARG00000030095	ENSDARP00000042272	coiled-coil domain containing 78 [Source:ZFIN;Acc:ZDB-GENE-060301-1]	ccdc78
ENSDARG00000077179	ENSDARP00000103987	coiled-coil domain containing 83 [Source:ZFIN;Acc:ZDB-GENE-130723-1]	ccdc83

ENSDARG00000059908	ENSDARP00000078271	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000039351	ENSDARP000000114954	chemokine (C-C motif) ligand 19 [Source:ZFIN;Acc:ZDB-GENE-091204-19]	cci19
ENSDARG00000035632	ENSDARP00000051667	chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc:HGNC:10617]	CCL19
ENSDARG00000094511	ENSDARP00000122800	chemokine (C-C motif) ligand 20 [Source:ZFIN;Acc:ZDB-GENE-091204-95]	cci20
ENSDARG0000004772	ENSDARP00000101027	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	cci-c11b
ENSDARG00000058389	ENSDARP00000090385	chemokine CCL-C5a [Source:ZFIN;Acc:ZDB-GENE-060526-181]	cci-c5a
ENSDARG00000039328	ENSDARP00000057465	cyclin D-type binding-protein 1 [Source:HGNC Symbol;Acc:HGNC:1587]	CNDBP1
ENSDARG00000086359	ENSDARP00000106082	centriolar coiled coil protein 110kDa [Source:HGNC Symbol;Acc:HGNC:24342]	CCP110
ENSDARG00000077240	ENSDARP00000114499	CD247 antigen like [Source:ZFIN;Acc:ZDB-GENE-070508-2]	cd247i
ENSDARG00000095070	ENSDARP00000115721	CD28 molecule [Source:ZFIN;Acc:ZDB-GENE-070912-128]	cd28
ENSDARG00000090386	ENSDARP00000129304	CD3e molecule, epsilon associated protein [Source:ZFIN;Acc:ZDB-GENE-101202-2]	cd3eap
ENSDARG00000079333	ENSDARP00000098917	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSDARG00000037473	ENSDARP00000123803	CD79a molecule, immunoglobulin-associated alpha [Source:ZFIN;Acc:ZDB-GENE-100922-201]	cd79a
ENSDARG00000088902	ENSDARP00000111279	CD79b molecule, immunoglobulin-associated beta [Source:ZFIN;Acc:ZDB-GENE-121219-1]	cd79b
ENSDARG00000075025	ENSDARP00000103868	cell division cycle 123 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-1680]	cdc123
ENSDARG00000077815	ENSDARP00000100739	cell division cycle 26 homolog [Source:ZFIN;Acc:ZDB-GENE-040822-18]	cdc26
ENSDARG00000068759	ENSDARP00000090340	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]	CDC2A
ENSDARG00000088639	ENSDARP00000106626	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdca9
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000094892	ENSDARP00000123314	centromere protein H [Source:ZFIN;Acc:ZDB-GENE-081104-340]	cenph
ENSDARG00000044135	ENSDARP00000064804	centromere protein P [Source:ZFIN;Acc:ZDB-GENE-040801-74]	cenpp
ENSDARG00000091271	ENSDARP00000120776	centromere protein T [Source:HGNC Symbol;Acc:HGNC:25787]	CENPT
ENSDARG00000088924	ENSDARP00000106330	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	CENPU
ENSDARG00000053106	ENSDARP00000107217	centrosomal protein 44 [Source:ZFIN;Acc:ZDB-GENE-060929-392]	cep44
ENSDARG00000056862	ENSDARP00000109882	centrosomal protein 63 [Source:ZFIN;Acc:ZDB-GENE-040426-1154]	cep63
ENSDARG00000075444	ENSDARP00000100971	cell growth regulator with EF-hand domain 1 [Source:HGNC Symbol;Acc:HGNC:16962]	CGREF1
ENSDARG00000091754	ENSDARP00000111012	coiled-coil-helix-coiled-coil-helix domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17840]	CHCHD5
ENSDARG00000068156	ENSDARP00000089144	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-080204-55]	chchd7
ENSDARG00000076500	ENSDARP00000101923	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSDARG00000016290	ENSDARP00000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSDARG00000073786	ENSDARP00000103658	carboxymethylglutaminase-like (Pseudomonas) [Source:ZFIN;Acc:ZDB-GENE-071004-21]	cmb1
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG00000074312	ENSDARP00000098911	cytochrome C oxidase assembly factor 3 [Source:ZFIN;Acc:ZDB-GENE-060810-187]	coa3
ENSDARG00000097456	ENSDARP00000128959	cytochrome c oxidase assembly factor 3 [Source:HGNC Symbol;Acc:HGNC:24990]	COA3
ENSDARG00000092124	ENSDARP00000117013	cytochrome c oxidase assembly homolog 14 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14
ENSDARG00000075933	ENSDARP00000099357	COX15 homolog, cytochrome c oxidase assembly protein (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-955]	cox15
ENSDARG00000018800	ENSDARP00000018961	COX20 cytochrome C oxidase assembly factor [Source:HGNC Symbol;Acc:HGNC:26970]	COX20
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSDARG00000097209	ENSDARP00000128720	cytochrome c oxidase subunit 8b [Source:ZFIN;Acc:ZDB-GENE-110620-4]	cox8b
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000086185	ENSDARP00000090949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWZ7]	CR318620.1
ENSDARG00000086451	ENSDARP00000109430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYR6]	CR318624.1
ENSDARG00000075611	ENSDARP00000103278	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8F8]	CR318629.1
ENSDARG00000051711	ENSDARP00000045181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKU1]	CR339041.1
ENSDARG00000051710	ENSDARP00000084819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P0]	CR339041.2
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QYU3]	CR352226.2
ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG00000091600	ENSDARP00000111240	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK00]	CR352229.1
ENSDARG00000076803	ENSDARP00000098323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYK7]	CR352230.1
ENSDARG00000088488	ENSDARP00000109787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBV3]	CR352290.2
ENSDARG00000089432	ENSDARP00000109782	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QD86]	CR352328.2
ENSDARG00000088656	ENSDARP00000109373	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ50]	CR352328.3
ENSDARG00000091480	ENSDARP00000112021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC4]	CR354372.1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000087610	ENSDARP00000108964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F688]	CR354426.1
ENSDARG00000019318	ENSDARP00000054055	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QA12]	CR354540.2
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000088060	ENSDARP00000106940	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC13]	CR356223.1
ENSDARG00000090166	ENSDARP00000107463	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3B7]	CR356223.2
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000075425	ENSDARP00000099477	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE0]	CR376723.1
ENSDARG00000078583	ENSDARP00000104080	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6E1]	CR376825.1
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000076336	ENSDARP00000101984	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDU3]	CR381673.1
ENSDARG00000087818	ENSDARP00000112224	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGV1]	CR381673.2
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000076607	ENSDARP00000092275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2D7]	CR383676.3
ENSDARG00000090754	ENSDARP00000104690	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYF1]	CR384075.2
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QC13]	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000088299	ENSDARP00000105942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3G0]	CR388002.2

ENSDARG00000054974	ENSDARP0000001724	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXH1]	CR388087.1
ENSDARG00000058052	ENSDARP00000075301	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBV8]	CR388145.1
ENSDARG00000086989	ENSDARP00000108431	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT30]	CR388145.2
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000076953	ENSDARP00000101155	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV2]	CR388416.1
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000086243	ENSDARP00000106033	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QCA2]	CR391995.1
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000091076	ENSDARP00000104965	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDA5]	CR392001.1
ENSDARG00000087872	ENSDARP00000111692	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJN5]	CR392330.1
ENSDARG00000094383	ENSDARP00000106059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA55]	CR392330.2
ENSDARG00000075388	ENSDARP00000101497	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9M4]	CR392354.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000091105	ENSDARP00000109155	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0R1]	CR39586.2
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000070274	ENSDARP00000126382	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:K7DY55]	CR407594.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000090899	ENSDARP00000107370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4D5]	CR450711.2
ENSDARG00000067528	ENSDARP00000087955	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8Y1]	CR450726.1
ENSDARG00000079337	ENSDARP00000100718	chemokine CCL-CUJ (LOC100216314), mRNA	[Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ9]	CR450808.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000088585	ENSDARP00000106513	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QMA0]	CR536621.1
ENSDARG00000090837	ENSDARP00000109371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJP4]	CR545469.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCY7]	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI54]	CR548627.1
ENSDARG00000088329	ENSDARP00000107872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9D5]	CR556710.1
ENSDARG00000091468	ENSDARP00000110790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1		CR626886.1
ENSDARG00000088608	ENSDARP00000111477	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGU4]	CR628385.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000070997	ENSDARP00000095465	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F6NN79]	CR749177.1
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000062723	ENSDARP00000085443	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXE2]	CR762408.1
ENSDARG00000079514	ENSDARP00000102180	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ33]	CR762475.1
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9L9]	CR762483.1
ENSDARG00000086851	ENSDARP00000111747	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYR5]	CR762484.2
ENSDARG00000074973	ENSDARP00000101053	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0D0]	CR788254.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000038111	ENSDARP00000055561	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R094]	CR788316.1
ENSDARG00000073836	ENSDARP00000097680	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6B6]	CR788316.2
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZH3]	CR792453.2
ENSDARG00000091443	ENSDARP00000110763	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT15]	CR792453.3
ENSDARG00000086238	ENSDARP00000106282	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDN6]	CR847511.1
ENSDARG00000088512	ENSDARP00000105549	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGG6]	CR847844.5
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000043167	ENSDARP00000098183	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH7]	CR847904.1
ENSDARG00000086423	ENSDARP00000105108	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FG35]	CR847950.4
ENSDARG00000090975	ENSDARP00000104987	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD90]	CR848032.1
ENSDARG00000094327	ENSDARP00000112640	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6D6]	CR848761.1
ENSDARG00000036829	ENSDARP00000053470	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIM9]	CR848787.1
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000090480	ENSDARP00000109633	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000090758	ENSDARP00000108395	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7Z1]	CR854942.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000092634	ENSDARP00000126872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:R4GEF9]	CR855320.1
ENSDARG00000087589	ENSDARP00000105931	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3G4]	CR855327.1
ENSDARG00000070872	ENSDARP00000095174	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QBFO]	CR855393.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH9]	CR926879.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000076494	ENSDARP00000094400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFR6]	CR931813.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA	[Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000090980	ENSDARP00000020392	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A5WV53]	CR936442.1
ENSDARG00000089651	ENSDARP00000109971	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAN9]	CR936465.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000086873	ENSDARP00000093432	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R1C6]	CR936977.1
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RDF9]	CR974475.1
ENSDARG00000090107	ENSDARP00000105396	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF82]	CR974475.2
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b	[Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2	[Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000089787	ENSDARP00000112346	CREB/ATF bZIP transcription factor	[Source:ZFIN;Acc:ZDB-GENE-030131-8015]	crebzf

ENSDARG00000074488	ENSDARP00000103215	cytokine receptor family member B13 [Source:ZFIN;Acc:ZDB-GENE-071120-8]	crfb13
ENSDARG00000074771	ENSDARP00000102075	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSDARG00000038000	ENSDARP0000005384	cardiolipin synthase 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2519]	crs1
ENSDARG00000075343	ENSDARP00000101884	colony stimulating factor 1a (macrophage) [Source:ZFIN;Acc:ZDB-GENE-080204-107]	csf1a
ENSDARG00000068263	ENSDARP00000089407	colony stimulating factor 1b (macrophage) [Source:ZFIN;Acc:ZDB-GENE-061215-106]	csf1b
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000058950	ENSDARP00000076357	centrosome and spindle pole associated protein 1 [Source:HGNC Symbol;Acc:HGNC:26193]	CSPP1
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000076932	ENSDARP00000103613	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q804]	CT025934.1
ENSDARG00000068569	ENSDARP00000089983	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9E7]	CT027576.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000074797	ENSDARP00000100200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXZ0]	CT027690.2
ENSDARG00000076948	ENSDARP00000099460	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXX3]	CT027690.3
ENSDARG00000089116	ENSDARP00000110491	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ34]	CT027690.4
ENSDARG00000075563	ENSDARP00000101174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAQ4]	CT027696.1
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N5]	CT027754.1
ENSDARG00000071733	ENSDARP00000097063	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8Q9]	CT030204.3
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000089071	ENSDARP00000109086	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1E7]	CT573239.1
ENSDARG00000078927	ENSDARP00000103412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q741]	CT573252.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000027161	ENSDARP00000003450	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3L4]	CT573356.1
ENSDARG00000092366	ENSDARP00000115693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7U4]	CT573356.2
ENSDARG00000093321	ENSDARP00000116927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAT4]	CT573356.3
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1ROC8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9P5]	CT827808.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000075807	ENSDARP00000099340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBR2]	CT867973.1
ENSDARG00000038568	ENSDARP00000056303	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F456]	CT955963.1
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD89]	CT963086.1
ENSDARG00000090332	ENSDARP00000110744	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000090991	ENSDARP00000106210	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR7]	CU151895.1
ENSDARG00000087920	ENSDARP00000105411	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEF4]	CU179757.2
ENSDARG00000074330	ENSDARP00000053333	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDG4]	CU179759.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6S6]	CU207343.2
ENSDARG00000091288	ENSDARP00000110921	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6X1]	CU302202.1
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXJ6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000054527	ENSDARP00000071204	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLT8]	CU459094.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000040601	ENSDARP00000059417	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGB6]	CU570684.2
ENSDARG00000088141	ENSDARP00000106862	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD11]	CU570684.4
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000095493	ENSDARP00000114676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI08]	CU570881.3
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHLS]	CU570889.1
ENSDARG00000091640	ENSDARP00000107548	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N1]	CU571169.5
ENSDARG00000089920	ENSDARP00000105776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F424]	CU571255.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDARG00000016227	ENSDARP00000022240	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1M4]	CU571323.1
ENSDARG00000094966	ENSDARP00000116603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R186]	CU571382.2
ENSDARG00000074460	ENSDARP00000098052	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFC8]	CU571384.1
ENSDARG00000077996	ENSDARP00000097996	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFB5]	CU571384.2
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC10000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000088197	ENSDARP00000106144	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F910]	CU627988.1
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3

ENS DARG00000086704	ENS DARP00000107408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3T2]	CU638740.3
ENS DARG00000089383	ENS DARP00000105999	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E6]	CU652893.1
ENS DARG00000090025	ENS DARP00000106552	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2B73]	CU655827.1
ENS DARG00000068018	ENS DARP00000088884	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT58]	CU672228.1
ENS DARG00000053952	ENS DARP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENS DARG00000087220	ENS DARP00000108084	CU681842.1	CU681842.1
ENS DARG00000086959	ENS DARP00000108579	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F760]	CU693370.1
ENS DARG00000086809	ENS DARP00000106413	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYG1]	CU693480.1
ENS DARG00000090770	ENS DARP00000109107	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0V6]	CU693487.1
ENS DARG00000086176	ENS DARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENS DARG00000087038	ENS DARP00000111796	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM1]	CU694254.1
ENS DARG00000079143	ENS DARP00000105303	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFY0]	CU694324.1
ENS DARG00000087149	ENS DARP00000107100	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L4]	CU694385.1
ENS DARG00000088365	ENS DARP00000105615	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU695117.1
ENS DARG00000088017	ENS DARP00000096399	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2T4]	CU855733.1
ENS DARG00000086059	ENS DARP00000105482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5S5]	CU855780.1
ENS DARG00000074630	ENS DARP00000102039	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2D4]	CU856207.1
ENS DARG00000091193	ENS DARP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENS DARG00000088542	ENS DARP00000108246	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWS1]	CU896555.1
ENS DARG00000073763	ENS DARP00000058203	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1K9]	CU896602.2
ENS DARG00000074999	ENS DARP00000056385	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F407]	CU896602.3
ENS DARG00000089531	ENS DARP00000109764	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBW1]	CU896655.1
ENS DARG00000043033	ENS DARP00000108777	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUF5]	CU896691.1
ENS DARG00000087901	ENS DARP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENS DARG00000089683	ENS DARP00000108574	CU914164.1	CU914164.1
ENS DARG00000088150	ENS DARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENS DARG00000086031	ENS DARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENS DARG00000088444	ENS DARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENS DARG00000087392	ENS DARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENS DARG00000058753	ENS DARP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENS DARG00000038587	ENS DARP00000056332	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QYR3]	CU929150.1
ENS DARG00000088982	ENS DARP00000110580	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8H0]	CU929163.1
ENS DARG00000089645	ENS DARP00000109328	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ75]	CU929307.1
ENS DARG00000087047	ENS DARP00000104858	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRS3]	CU929328.1
ENS DARG00000039888	ENS DARP00000058347	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3F6]	CU929449.1
ENS DARG00000089324	ENS DARP00000109275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU929506.1
ENS DARG00000089543	ENS DARP00000106958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8K6]	CU984579.1
ENS DARG00000089136	ENS DARP00000111338	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1Y4]	CU984580.4
ENS DARG00000089664	ENS DARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1F4]	CU993820.1
ENS DARG00000096578	ENS DARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENS DARG00000095747	ENS DARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl64
ENS DARG00000075045	ENS DARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENS DARG00000075163	ENS DARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENS DARG00000086728	ENS DARP00000106158	chromosome X open reading frame 58 [Source:ZFIN;Acc:HGNC Symbol;Acc:HGNC:26356]	CZv9_scaffold3516HXorf58
ENS DARG00000087910	ENS DARP00000108748	dishevelled-binding antagonist of beta-catenin 3 [Source:HGNC Symbol;Acc:HGNC:30745]	DACT3
ENS DARG00000000069	ENS DARP00000000070	death associated protein [Source:ZFIN;Acc:ZDB-GENE-000511-3]	dap
ENS DARG00000076734	ENS DARP00000103264	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY44]	DARE-ZE*0601
ENS DARG00000074796	ENS DARP00000065642	DBF4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-091020-13]	dbf4
ENS DARG00000086550	ENS DARP00000111733	DBF4 zinc finger B [Source:HGNC Symbol;Acc:HGNC:17883]	DBF4B
ENS DARG00000076074	ENS DARP00000112315	DET1 and DDB1 associated 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2137]	dda1
ENS DARG00000096158	ENS DARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENS DARG00000075161	ENS DARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defbl1
ENS DARG00000096380	ENS DARP00000125973	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defbl2
ENS DARG00000097181	ENS DARP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]	defbl3
ENS DARG00000037229	ENS DARP00000054152	density-regulated protein [Source:ZFIN;Acc:ZDB-GENE-040718-450]	denr
ENS DARG00000091993	ENS DARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicip.1.1
ENS DARG00000075848	ENS DARP00000102438	diverse immunoglobulin domain-containing protein 3.1 [Source:ZFIN;Acc:ZDB-GENE-120306-18]	dicip.3.1
ENS DARG00000087706	ENS DARP00000127641	diverse immunoglobulin domain-containing protein 3.3 [Source:ZFIN;Acc:ZDB-GENE-120306-20]	dicip.3.3
ENS DARG00000094160	ENS DARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	DLEU7
ENS DARG00000041134	ENS DARP00000060295	dynein, axonemal, assembly factor 2 [Source:ZFIN;Acc:ZDB-GENE-050809-128]	dnaaf2
ENS DARG00000076991	ENS DARP00000099663	dolichol kinase [Source:ZFIN;Acc:ZDB-GENE-070410-59]	dolk
ENS DARG00000089922	ENS DARP00000104986	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENS DARG00000091663	ENS DARP00000108192	DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23468]	DYDC2
ENS DARG00000087457	ENS DARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENS DARG00000074591	ENS DARP00000093748	ectodysplasin A [Source:ZFIN;Acc:ZDB-GENE-050107-6]	eda
ENS DARG00000036912	ENS DARP00000095917	endothelin 1 [Source:ZFIN;Acc:ZDB-GENE-000920-1]	edn1
ENS DARG00000070578	ENS DARP00000094560	endothelin 2 [Source:ZFIN;Acc:ZDB-GENE-060503-774]	edn2
ENS DARG00000070925	ENS DARP00000095299	endothelin 3 [Source:HGNC Symbol;Acc:HGNC:3178]	EDN3
ENS DARG00000086669	ENS DARP00000115695	endothelin 3b [Source:ZFIN;Acc:ZDB-GENE-090313-235]	edn3b
ENS DARG00000042937	ENS DARP00000098468	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HGNC:24204]	EFCAB6
ENS DARG00000069994	ENS DARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENS DARG00000069017	ENS DARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENS DARG00000095774	ENS DARP00000117124	emerin [Emery-Dreifuss muscular dystrophy] [Source:ZFIN;Acc:ZDB-GENE-070501-2]	emd
ENS DARG00000070242	ENS DARP00000093713	endonuclease domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29129]	ENDOD1
ENS DARG00000094578	ENS DARP00000115913	epithelial stromal interaction 1 [Source:ZFIN;Acc:ZDB-GENE-081104-172]	epst1
ENS DARG00000090936	ENS DARP00000106252	glutamate-rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]	ERICH2
ENS DARG00000069262	ENS DARP00000091424	glutamate-rich 3 [Source:HGNC Symbol;Acc:HGNC:25346]	ERICH3
ENS DARG00000074915	ENS DARP00000126690	Ewing tumor-associated antigen 1 [Source:ZFIN;Acc:ZDB-GENE-080204-12]	etaa1
ENS DARG00000042727	ENS DARP00000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	EXOS

ENSDARG00000068099	ENSDARP00000089060	Fas (tnfrsf6)-associated via death domain [Source:ZFIN;Acc:ZDB-GENE-070606-3]	fadd
ENSDARG0000006474	ENSDARP00000053859	family with sequence similarity 154, member B [Source:ZFIN;Acc:ZDB-GENE-051127-27]	fam154b
ENSDARG00000078871	ENSDARP00000099646	family with sequence similarity 166, member B [Source:ZFIN;Acc:ZDB-GENE-070209-41]	fam166b
ENSDARG00000087144	ENSDARP00000110223	family with sequence similarity 183, member B [Source:HGNC Symbol;Acc:HGNC:34511]	FAM183B
ENSDARG00000088505	ENSDARP00000109102	family with sequence similarity 217, member B [Source:ZFIN;Acc:ZDB-GENE-090313-236]	fam217b
ENSDARG00000091799	ENSDARP00000107667	family with sequence similarity 217, member B [Source:HGNC Symbol;Acc:HGNC:16170]	FAM217B
ENSDARG00000042936	ENSDARP00000063033	family with sequence similarity 228, member A [Source:ZFIN;Acc:ZDB-GENE-041014-83]	fam228a
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000035193	ENSDARP00000050978	family with sequence similarity 81, member B [Source:HGNC Symbol;Acc:HGNC:26335]	FAM81B
ENSDARG00000024967	ENSDARP00000038408	Fanconi anemia, complementation group G [Source:ZFIN;Acc:ZDB-GENE-050417-103]	fancg
ENSDARG00000090482	ENSDARP00000109015	Fas (TNFRSF6) binding factor 1 [Source:HGNC Symbol;Acc:HGNC:24674]	FBF1
ENSDARG00000054222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8 [Source:ZFIN;Acc:ZDB-GENE-051120-81]	fbxl8
ENSDARG00000016897	ENSDARP00000113137	F-box protein 15 [Source:ZFIN;Acc:ZDB-GENE-080416-4]	fbxo15
ENSDARG00000029848	ENSDARP00000043955	F-box protein 15 [Source:HGNC Symbol;Acc:HGNC:13617]	FBXO15
ENSDARG00000062983	ENSDARP00000086063	F-box protein, helicase, 18 [Source:ZFIN;Acc:ZDB-GENE-041210-99]	fbxo18
ENSDARG00000010662	ENSDARP00000028616	F-box protein 36a [Source:ZFIN;Acc:ZDB-GENE-060929-986]	fbxo36a
ENSDARG00000039152	ENSDARP00000116692	F-box protein 36b [Source:ZFIN;Acc:ZDB-GENE-060825-271]	fbxo36b
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]	FHA01
ENSDARG00000087089	ENSDARP00000125371	FK506 binding protein 15, 133kDa [Source:HGNC Symbol;Acc:HGNC:23397]	FKBP15
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fos1b
ENSDARG00000093689	ENSDARP00000119905	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8H2]	FP016018.1
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC9]	FP085412.2
ENSDARG00000089782	ENSDARP00000111046	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH24]	FP102192.1
ENSDARG00000089309	ENSDARP00000108959	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F691]	FP102311.1
ENSDARG00000074247	ENSDARP00000100398	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RCM0]	FP102786.1
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087555	ENSDARP00000106768	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD9]	FP103059.1
ENSDARG00000087826	ENSDARP00000111496	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOA5]	FP236452.2
ENSDARG00000086465	ENSDARP00000106216	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLZ9]	FP236513.1
ENSDARG00000086113	ENSDARP00000106682	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA29]	FP236789.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000088553	ENSDARP00000109186	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QG55]	FP243385.3
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:HGXP4]	FP245465.2
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ43]	FP245472.1
ENSDARG00000088247	ENSDARP00000106989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC28]	FP245511.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000079730	ENSDARP00000103777	fuzzy planar cell polarity protein [Source:HGNC Symbol;Acc:HGNC:26219]	FUZ
ENSDARG00000074356	ENSDARP00000115873	frataxin [Source:ZFIN;Acc:ZDB-GENE-070209-286]	fxn
ENSDARG00000095094	ENSDARP00000120484	FXyd domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fxyd6
ENSDARG00000097057	ENSDARP00000127704	FXyd domain containing ion transport regulator 6 like [Source:ZFIN;Acc:ZDB-GENE-071205-8]	fxyd6l
ENSDARG00000094764	ENSDARP00000115522	FYN binding protein [Source:HGNC Symbol;Acc:HGNC:4036]	FYB
ENSDARG00000078859	ENSDARP00000101157	GO/G1 switch gene 2 [Source:ZFIN;Acc:ZDB-GENE-081022-103]	g0s2
ENSDARG00000057630	ENSDARP00000074789	galactose mutarotase [Source:ZFIN;Acc:ZDB-GENE-040718-66]	galm
ENSDARG00000091377	ENSDARP00000128202	galanin/GMAP prepropeptide [Source:ZFIN;Acc:ZDB-GENE-111117-2]	galn
ENSDARG00000076526	ENSDARP00000101401	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSDARG00000089310	ENSDARP00000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSDARG00000055086	ENSDARP00000108530	gametogenetin binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-060929-52]	ggnbp2
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000075757	ENSDARP00000100657	grass carp reovirus (GCRV)-induced gene 2e [Source:ZFIN;Acc:ZDB-GENE-130517-2]	gig2e
ENSDARG00000069770	ENSDARP00000092562	grass carp reovirus (GCRV)-induced gene 2i [Source:ZFIN;Acc:ZDB-GENE-120409-1]	gig2i
ENSDARG00000069769	ENSDARP00000092560	grass carp reovirus (GCRV)-induced gene 2j [Source:ZFIN;Acc:ZDB-GENE-081022-181]	gig2j
ENSDARG00000091730	ENSDARP00000105320	grass carp reovirus (GCRV)-induced gene 2l [Source:ZFIN;Acc:ZDB-GENE-130517-7]	gig2l
ENSDARG00000086903	ENSDARP00000108924	grass carp reovirus (GCRV)-induced gene 2o [Source:ZFIN;Acc:ZDB-GENE-130517-8]	gig2o
ENSDARG00000088260	ENSDARP00000114068	grass carp reovirus (GCRV)-induced gene 2p [Source:ZFIN;Acc:ZDB-GENE-070705-490]	gig2p
ENSDARG00000086378	ENSDARP00000110803	grass carp reovirus (GCRV)-induced gene 2q [Source:ZFIN;Acc:ZDB-GENE-130517-9]	gig2q
ENSDARG00000021975	ENSDARP00000039045	glycoprotein integral membrane 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5900]	gim1
ENSDARG00000038847	ENSDARP00000056722	GINS complex subunit 3 [Source:ZFIN;Acc:ZDB-GENE-040721-1]	gins3
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000068719	ENSDARP00000090270	geminin coiled-coil domain containing [Source:ZFIN;Acc:ZDB-GENE-121211-1]	gmnc
ENSDARG00000038700	ENSDARP00000056518	G protein-coupled receptor 160 [Source:ZFIN;Acc:ZDB-GENE-081022-189]	gpr160
ENSDARG00000086973	ENSDARP00000108308	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]	GPRIN1
ENSDARG00000075043	ENSDARP00000100162	GPRIN family member 3 [Source:HGNC Symbol;Acc:HGNC:27733]	GPRIN3
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000043074	ENSDARP00000063243	gastrin-releasing peptide [Source:ZFIN;Acc:ZDB-GENE-060526-117]	grp
ENSDARG00000092290	ENSDARP00000118059	germ cell associated 2 (haspin) [Source:HGNC Symbol;Acc:HGNC:19682]	GS2
ENSDARG00000038559	ENSDARP00000056285	H1 histone family, member 0 [Source:ZFIN;Acc:ZDB-GENE-030131-337]	h1f0
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000053227	ENSDARP00000069720	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSDARG00000036781	ENSDARP00000053407	HAUS augmin-like complex, subunit 2 [Source:HGNC Symbol;Acc:HGNC:25530]	HAUS2
ENSDARG00000037432	ENSDARP00000104260	HAUS augmin-like complex, subunit 7 [Source:ZFIN;Acc:ZDB-GENE-050506-15]	haus7
ENSDARG00000091031	ENSDARP00000111597	HAUS augmin-like complex, subunit 8 [Source:HGNC Symbol;Acc:HGNC:30532]	HAUS8
ENSDARG00000092074	ENSDARP00000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000090753	ENSDARP00000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATRA4

ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	hclb
ENSDARG00000087842	ENSDARP00000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSDARG00000077445	ENSDARP0000006379	huntingtin interacting protein 1 related a [Source:ZFIN;Acc:ZDB-GENE-040718-71]	hip1ra
ENSDARG00000027749	ENSDARP00000029816	HIRA interacting protein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-5753]	hirip3
ENSDARG00000038408	ENSDARP00000056045	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmga1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmgn2
ENSDARG00000036754	ENSDARP00000113097	high mobility group nucleosomal binding domain 3 [Source:ZFIN;Acc:ZDB-GENE-041114-180]	hmgn3
ENSDARG00000091401	ENSDARP00000111876	HMG box domain containing 4b [Source:ZFIN;Acc:ZDB-GENE-030131-450]	hmgxb4b
ENSDARG00000089368	ENSDARP00000112208	HOP homeobox [Source:ZFIN;Acc:ZDB-GENE-031016-2]	hopx
ENSDARG00000095807	ENSDARP00000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000045947	ENSDARP00000126909	histidine rich calcium binding protein [Source:HGNC Symbol;Acc:HGNC:5178]	HRC
ENSDARG00000078835	ENSDARP00000102976	immature colon carcinoma transcript 1 [Source:HGNC Symbol;Acc:HGNC:5359]	ICT1
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000087131	ENSDARP00000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnph2
ENSDARG00000070676	ENSDARP00000094768	interferon phi 3 [Source:ZFIN;Acc:ZDB-GENE-071128-2]	ifnph3
ENSDARG00000091391	ENSDARP00000105715	Intraflagellar transport protein 43 homolog [Source:UniProtKB/Swiss-Prot;Acc:E7F555]	IFT43
ENSDARG00000011240	ENSDARP00000083038	intraflagellar transport protein 46 [Source:ZFIN;Acc:ZDB-GENE-080102-3]	ift46
ENSDARG00000091650	ENSDARP00000111941	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000093272	ENSDARP00000120591	immunoglobulin light iota constant 1, s1 [Source:ZFIN;Acc:ZDB-GENE-051013-12]	iglc1s1
ENSDARG00000078975	ENSDARP00000104229	immunoglobulin light 1 constant 3 [Source:ZFIN;Acc:ZDB-GENE-111021-11]	iglc1c3
ENSDARG00000093258	ENSDARP00000117809	immunoglobulin light 3 variable 1 [Source:ZFIN;Acc:ZDB-GENE-060503-880]	igl3v1
ENSDARG00000093855	ENSDARP00000112622	immunoglobulin light 3 variable 2 [Source:ZFIN;Acc:ZDB-GENE-060503-410]	igl3v2
ENSDARG00000078763	ENSDARP00000058204	immunoglobulin light 3 variable 3 [Source:ZFIN;Acc:ZDB-GENE-060503-503]	igl3v3
ENSDARG00000079987	ENSDARP00000101121	immunoglobulin light 3 variable 5 [Source:ZFIN;Acc:ZDB-GENE-051013-3]	igl3v5
ENSDARG00000051760	ENSDARP00000067929	immunoglobulin light 4 variable 10 [Source:ZFIN;Acc:ZDB-GENE-051013-5]	igl4v10
ENSDARG00000061083	ENSDARP00000026489	immunoglobulin light 4 variable 8 [Source:ZFIN;Acc:ZDB-GENE-051013-6]	igl4v8
ENSDARG00000019591	ENSDARP00000044498	immunoglobulin light 4 variable 9 [Source:ZFIN;Acc:ZDB-GENE-051013-8]	igl4v9
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000043934	ENSDARP00000064512	interleukin 17a/f2 [Source:ZFIN;Acc:ZDB-GENE-061031-2]	il17a/f2
ENSDARG00000089153	ENSDARP00000108976	interleukin 17 receptor A [Source:HGNC Symbol;Acc:HGNC:5985]	IL17RA
ENSDARG00000045617	ENSDARP00000125421	interleukin 17 receptor A1 [Source:ZFIN;Acc:ZDB-GENE-110914-185]	il17ra1
ENSDARG00000089004	ENSDARP00000109409	interleukin 17 receptor D [Source:HGNC Symbol;Acc:HGNC:17616]	IL17RD
ENSDARG00000068609	ENSDARP00000090068	interleukin 1 receptor-like 1 [Source:ZFIN;Acc:ZDB-GENE-060621-4]	il1rl1
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il2029-3
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000031051	ENSDARP00000102530	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSDARG00000054128	ENSDARP00000128415	im:7136021 [Source:ZFIN;Acc:ZDB-GENE-041008-74]	im:7136021
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000068678	ENSDARP00000090196	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	IQCG
ENSDARG00000015476	ENSDARP00000074143	IQ motif containing H [Source:ZFIN;Acc:ZDB-GENE-050419-242]	iqch
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000076831	ENSDARP00000102959	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSDARG00000060609	ENSDARP00000110335	isochorismatase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-061020-1]	isoc1
ENSDARG00000013371	ENSDARP00000022030	isochorismatase domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-070518-1]	isoc2
ENSDARG00000007534	ENSDARP00000110426	intelectin 1 [Source:ZFIN;Acc:ZDB-GENE-060929-564]	itln1
ENSDARG00000036084	ENSDARP00000052386	intelectin 2 [Source:ZFIN;Acc:ZDB-GENE-050411-58]	itln2
ENSDARG00000003523	ENSDARP00000014852	intelectin 3 [Source:ZFIN;Acc:ZDB-GENE-090527-4]	itln3
ENSDARG00000053630	ENSDARP00000070650	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F413]	ITLN4
ENSDARG00000070150	ENSDARP00000093477	jumping translocation breakpoint [Source:ZFIN;Acc:ZDB-GENE-060503-674]	itb
ENSDARG00000075829	ENSDARP00000099735	KiSS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077985	ENSDARP00000098871	kisspeptin 2 [Source:ZFIN;Acc:ZDB-GENE-090526-1]	kiss2
ENSDARG00000079753	ENSDARP00000102994	kizuna centrosomal protein [Source:HGNC Symbol;Acc:HGNC:15865]	KIZ
ENSDARG00000074379	ENSDARP00000099723	kinetochore-localized astrin/SPAG5 binding protein [Source:ZFIN;Acc:ZDB-GENE-081022-187]	knstrn

ENSDARG00000074036	ENSDARP00000097688	kyphoscoliosis peptidase [Source:ZFIN;Acc:ZDB-GENE-090313-64]	ky
ENSDARG00000094801	ENSDARP00000117579	I(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	I3mbt1
ENSDARG00000089063	ENSDARP00000106628	lactamase, beta-like 1a [Source:ZFIN;Acc:ZDB-GENE-030131-7625]	lactb11a
ENSDARG00000070467	ENSDARP00000094226	lactamase, beta-like 1b [Source:ZFIN;Acc:ZDB-GENE-061207-53]	lactb11b
ENSDARG00000022698	ENSDARP00000030814	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSDARG00000090194	ENSDARP00000106008	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5 [Source:ZFIN;Acc:ZDB-GENE-110411-193]	lamtor5
ENSDARG00000076153	ENSDARP00000115551	Leber congenital amaurosis 5 [Source:ZFIN;Acc:ZDB-GENE-090313-268]	lca5
ENSDARG00000090297	ENSDARP00000111714	low density lipoprotein receptor class A domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-110204-1]	ldlrad2
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRIF1
ENSDARG00000096908	ENSDARP00000128409	leucine rich repeat containing 19 [Source:HGNC Symbol;Acc:HGNC:23379]	LRRIC19
ENSDARG00000096306	ENSDARP00000125718	leucine rich repeat containing 41 [Source:HGNC Symbol;Acc:HGNC:16917]	LRRIC41
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRIC49
ENSDARG00000020483	ENSDARP0000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000056874	ENSDARP00000073908	lysozyme g-like 1 [Source:ZFIN;Acc:ZDB-GENE-040718-461]	lygl1
ENSDARG00000033138	ENSDARP00000041191	LYR motif containing 2 [Source:ZFIN;Acc:ZDB-GENE-040914-27]	lyrm2
ENSDARG00000079815	ENSDARP00000099103	LYR motif containing 7 [Source:HGNC Symbol;Acc:HGNC:28072]	LYRM7
ENSDARG00000075528	ENSDARP00000100356	LYR motif containing 9 [Source:ZFIN;Acc:ZDB-GENE-081022-28]	lyrm9
ENSDARG00000032601	ENSDARP00000116255	MACRO domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1490]	macrod2
ENSDARG00000091079	ENSDARP00000105998	mitochondrial assembly of ribosomal large subunit 1 [Source:HGNC Symbol;Acc:HGNC:21721]	MALSU1
ENSDARG00000076326	ENSDARP00000097846	mastermind-like 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16259]	MAML2
ENSDARG00000036851	ENSDARP00000124905	MANSC domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070209-77]	mansc1
ENSDARG00000068480	ENSDARP00000080404	MAP7 domain containing 2a [Source:ZFIN;Acc:ZDB-GENE-060526-150]	map7d2a
ENSDARG00000035715	ENSDARP00000051803	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcksl1b
ENSDARG00000069733	ENSDARP00000112479	mitochondrial antiviral signaling protein [Source:ZFIN;Acc:ZDB-GENE-070112-1402]	mavs
ENSDARG00000021572	ENSDARP00000036480	Mab-21 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-090313-23]	mb21d1
ENSDARG00000036186	ENSDARP00000126314	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSDARG00000087450	ENSDARP00000107850	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6935]	MCC
ENSDARG00000045675	ENSDARP00000116078	transformed 3T3 cell double minute 1 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041210-117]	mdm1
ENSDARG00000088040	ENSDARP00000108620	magnesium-dependent phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28781]	MDP1
ENSDARG00000069337	ENSDARP00000066153	mediator complex subunit 11 [Source:ZFIN;Acc:ZDB-GENE-091207-2]	med11
ENSDARG00000090826	ENSDARP00000109840	mediator complex subunit 26 [Source:HGNC Symbol;Acc:HGNC:2376]	MED26
ENSDARG00000037410	ENSDARP00000054441	mediator complex subunit 28 [Source:ZFIN;Acc:ZDB-GENE-041121-4]	med28
ENSDARG00000071339	ENSDARP00000096205	mef2b neighbor [Source:ZFIN;Acc:ZDB-GENE-050208-757]	mef2bnb
ENSDARG00000043912	ENSDARP00000064482	meiosis-specific, MEI4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040724-211]	mei4
ENSDARG00000045705	ENSDARP00000067188	meiosis expressed gene 1 homolog [Source:ZFIN;Acc:ZDB-GENE-050320-33]	meig1
ENSDARG00000076518	ENSDARP00000101871	methyltransferase like 1 [Source:ZFIN;Acc:ZDB-GENE-041010-24]	mett11
ENSDARG00000079134	ENSDARP00000100821	methyltransferase like 17 [Source:ZFIN;Acc:ZDB-GENE-031118-203]	mett17
ENSDARG00000088999	ENSDARP00000108647	methyltransferase like 4 [Source:HGNC Symbol;Acc:HGNC:24726]	METTL4
ENSDARG00000053753	ENSDARP00000115302	mitochondrial fission factor [Source:ZFIN;Acc:ZDB-GENE-040426-1510]	mff
ENSDARG00000039203	ENSDARP00000120140	mitochondrial fission factor [Source:HGNC Symbol;Acc:HGNC:24858]	MFF
ENSDARG00000075963	ENSDARP00000020667	major histocompatibility complex class I UBA [Source:ZFIN;Acc:ZDB-GENE-990415-145]	mhc1uba
ENSDARG00000092731	ENSDARP00000117273	major histocompatibility complex class I UCA [Source:ZFIN;Acc:ZDB-GENE-010112-3]	mhc1uca
ENSDARG00000074765	ENSDARP00000096436	major histocompatibility complex class I ZAA [Source:ZFIN;Acc:ZDB-GENE-030916-1]	mhc1zaa
ENSDARG00000036588	ENSDARP00000053152	major histocompatibility complex class I ZBA [Source:ZFIN;Acc:ZDB-GENE-040426-2149]	mhc1zba
ENSDARG00000069471	ENSDARP00000063528	major histocompatibility complex class I ZCA [Source:ZFIN;Acc:ZDB-GENE-070424-4]	mhc1zca
ENSDARG00000001470	ENSDARP00000091917	major histocompatibility complex class I ZEA [Source:ZFIN;Acc:ZDB-GENE-070705-176]	mhc1zea
ENSDARG00000088022	ENSDARP00000095791	major histocompatibility complex class I ZFA [Source:ZFIN;Acc:ZDB-GENE-130206-9]	mhc1zfa
ENSDARG00000079105	ENSDARP00000100252	major histocompatibility complex class II DAB gene [Source:ZFIN;Acc:ZDB-GENE-980526-200]	mhc2dab
ENSDARG00000056330	ENSDARP00000090055	major histocompatibility complex class II DBB gene [Source:ZFIN;Acc:ZDB-GENE-010112-2]	mhc2ddb
ENSDARG00000088346	ENSDARP00000109847	migration and invasion inhibitory protein [Source:HGNC Symbol;Acc:HGNC:25715]	MIIP
ENSDARG00000086655	ENSDARP00000105350	MKRN2 opposite strand [Source:HGNC Symbol;Acc:HGNC:40375]	MKRN2OS
		myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	mlt11
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000068344	ENSDARP00000089565	methylmalonic aciduria (cobalamin deficiency) cblB type [Source:ZFIN;Acc:ZDB-GENE-060526-232]	mmb
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mplkip
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000068886	ENSDARP00000090555	mitochondrial ribosomal protein L14 [Source:ZFIN;Acc:ZDB-GENE-040426-1066]	mrpl14
ENSDARG00000060199	ENSDARP00000079005	mitochondrial ribosomal protein L18 [Source:ZFIN;Acc:ZDB-GENE-061013-632]	mrpl18
ENSDARG00000092954	ENSDARP00000121717	mitochondrial ribosomal protein L34 [Source:ZFIN;Acc:ZDB-GENE-070912-582]	mrpl34
ENSDARG00000070607	ENSDARP00000094638	mitochondrial ribosomal protein L36 [Source:ZFIN;Acc:ZDB-GENE-060503-821]	mrpl36
ENSDARG00000079391	ENSDARP00000103369	mitochondrial ribosomal protein L42 [Source:HGNC Symbol;Acc:HGNC:14493]	MRPL42
ENSDARG00000090568	ENSDARP00000105015	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:HGNC:16655]	MRPL52
ENSDARG00000075129	ENSDARP00000120082	mitochondrial ribosomal protein S11 [Source:ZFIN;Acc:ZDB-GENE-040724-84]	mrps11
ENSDARG00000039543	ENSDARP00000057773	mitochondrial ribosomal protein S6 [Source:ZFIN;Acc:ZDB-GENE-060825-579]	mrps6
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000063922	ENSDARP00000087880	NADH dehydrogenase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-13]	mt-nd6
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSDARG00000069566	ENSDARP00000116854	mucin, multiple PTS and SEA group, member 1 [Source:ZFIN;Acc:ZDB-GENE-061009-17]	mucms1
ENSDARG00000089086	ENSDARP00000109538	musculoskeletal, embryonic nuclear protein 1 (mustrn1), mRNA [Source:RefSeq mRNA;Acc:NM_001197053]	MUSTN1
ENSDARG00000054026	ENSDARP00000070638	musculoskeletal, embryonic nuclear protein 1a [Source:ZFIN;Acc:ZDB-GENE-111129-3]	mustrn1a
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvdb
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000069194	ENSDARP00000105585	mycbp associated protein [Source:ZFIN;Acc:ZDB-GENE-080923-1]	mycbpap
ENSDARG0000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca

ENSDARG00000027930	ENSDARP00000035128	nicotinate phosphoribosyltransferase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1897]	naprt1
ENSDARG00000068590	ENSDARP000000101635	N-acetyltransferase 6 (GCN5-related) [Source:HGNC Symbol;Acc:HGNC:30252]	NAT6
ENSDARG00000071425	ENSDARP00000096360	N-acetyltransferase 9 (GCN5-related, putative) [Source:ZFIN;Acc:ZDB-GENE-030131-5097]	nat9
ENSDARG00000033757	ENSDARP00000040826	non-SMC condensin II complex, subunit H2 [Source:ZFIN;Acc:ZDB-GENE-041210-172]	ncaph2
ENSDARG00000041400	ENSDARP00000119521	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa [Source:HGNC Symbol;Acc:HGNC:7686]	NDUFA3
ENSDARG00000087456	ENSDARP00000105840	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa [Source:HGNC Symbol;Acc:HGNC:7695]	NDUFB1
ENSDARG00000075709	ENSDARP00000100071	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3 [Source:ZFIN;Acc:ZDB-GENE-091204-407]	ndufb3
ENSDARG00000056583	ENSDARP00000073559	NADH dehydrogenase (ubiquinone) Fe-S protein 6 [Source:ZFIN;Acc:ZDB-GENE-040912-86]	ndufs6
ENSDARG00000090389	ENSDARP00000092990	NADH dehydrogenase (ubiquinone) flavoprotein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6500]	ndufv3
ENSDARG00000021097	ENSDARP00000021861	negative elongation factor complex member C/D [Source:ZFIN;Acc:ZDB-GENE-040426-720]	nelfcd
ENSDARG00000040434	ENSDARP00000124545	negative elongation factor complex member E [Source:ZFIN;Acc:ZDB-GENE-040718-69]	nelfe
ENSDARG00000058893	ENSDARP00000076289	nonhomologous end-joining factor 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2515]	nhej1
ENSDARG00000042968	ENSDARP00000125468	novel immune-type receptor 10a [Source:ZFIN;Acc:ZDB-GENE-041001-5]	nitr10a
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b [Source:ZFIN;Acc:ZDB-GENE-041001-4]	nitr10b
ENSDARG00000036749	ENSDARP00000053360	novel immune-type receptor 11a [Source:ZFIN;Acc:ZDB-GENE-041001-3]	nitr11a
ENSDARG00000036752	ENSDARP00000063078	novel immune-type receptor 11b [Source:ZFIN;Acc:ZDB-GENE-041001-2]	nitr11b
ENSDARG00000057620	ENSDARP00000088826	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTA2]	NITR3
ENSDARG00000057744	ENSDARP00000053336	novel immune-type receptor 3b [Source:ZFIN;Acc:ZDB-GENE-001106-16]	nitr3b
ENSDARG00000057956	ENSDARP00000075163	novel immune-type receptor 6a [Source:ZFIN;Acc:ZDB-GENE-020225-42]	nitr6a
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000028333	ENSDARP00000053356	novel immune-type receptor 9 [Source:ZFIN;Acc:ZDB-GENE-041001-6]	nitr9
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkd3l
ENSDARG00000020332	ENSDARP00000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000043299	ENSDARP00000063567	neuromedin U [Source:ZFIN;Acc:ZDB-GENE-041001-111]	nmu
ENSDARG00000057959	ENSDARP00000097767	nucleolar protein 7 [Source:ZFIN;Acc:ZDB-GENE-030131-9100]	no17
ENSDARG00000024561	ENSDARP00000093426	nucleolar and coiled-body phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6349]	nolc1
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000074697	ENSDARP00000098274	neural proliferation, differentiation and control, 1 [Source:ZFIN;Acc:ZDB-GENE-031204-31]	npdc1
ENSDARG00000056156	ENSDARP00000073053	neural proliferation, differentiation and control, 1 [Source:HGNC Symbol;Acc:HGNC:7899]	NPDC1
ENSDARG00000052960	ENSDARP00000108691	natriuretic peptide precursor A [Source:ZFIN;Acc:ZDB-GENE-030131-95]	nppa
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000000018	ENSDARP00000000019	nuclear respiratory factor 1 [Source:ZFIN;Acc:ZDB-GENE-001221-1]	nr1
ENSDARG00000076379	ENSDARP00000100432	non-SMC element 2, MMS21 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26513]	NSMCE2
ENSDARG00000057887	ENSDARP00000075084	neurolensin [Source:ZFIN;Acc:ZDB-GENE-091204-433]	nts
ENSDARG00000012777	ENSDARP00000018018	nuclear casein kinase and cyclin-dependent kinase substrate 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4544]	nucks1b
ENSDARG00000078073	ENSDARP00000099881	nudix (nucleoside diphosphate linked moiety X)-type motif 5 [Source:ZFIN;Acc:ZDB-GENE-040625-63]	nudt5
ENSDARG00000058672	ENSDARP00000076025	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:33550]	NUGGC
ENSDARG00000061928	ENSDARP00000017620	nuclear mitotic apparatus protein 1 [Source:ZFIN;Acc:ZDB-GENE-110517-1]	numa1
ENSDARG00000086540	ENSDARP00000106063	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:HGNC:8059]	NUMA1
ENSDARG00000032325	ENSDARP00000025718	nucleoporin 88 [Source:ZFIN;Acc:ZDB-GENE-050522-297]	nup88
ENSDARG00000052334	ENSDARP00000094142	OCIA domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1100]	ocia1
ENSDARG00000052336	ENSDARP00000068656	OCIA domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-041014-253]	ocia2
ENSDARG00000074416	ENSDARP00000104371	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSDARG00000059315	ENSDARP00000076841	olfactory receptor class A related 3 [Source:ZFIN;Acc:ZDB-GENE-100721-3]	ora3
ENSDARG00000078223	ENSDARP00000097647	olfactory receptor class A related 4 [Source:ZFIN;Acc:ZDB-GENE-100721-6]	ora4
ENSDARG00000078257	ENSDARP00000101277	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000074700	ENSDARP00000103851	oral cancer overexpressed 1 [Source:ZFIN;Acc:ZDB-GENE-030729-33]	oraov1
ENSDARG00000075682	ENSDARP00000101426	origin recognition complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2976]	orc6
ENSDARG00000076474	ENSDARP00000097506	oogenesis-related gene [Source:ZFIN;Acc:ZDB-GENE-050208-584]	org
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000054055	ENSDARP00000070674	osteoecrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000091429	ENSDARP00000127114	oxidoreductase-like domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-130603-23]	oxld1
ENSDARG00000076716	ENSDARP00000107630	partner and localizer of BRCA2 [Source:ZFIN;Acc:ZDB-GENE-090313-43]	palb2
ENSDARG00000071215	ENSDARP00000062739	paralemmin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	paln3
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000016704	ENSDARP00000115236	phenazine biosynthesis-like protein domain containing [Source:HGNC Symbol;Acc:HGNC:23301]	PBLD
ENSDARG00000004917	ENSDARP00000010989	PDX1 C-terminal inhibiting factor 1 [Source:ZFIN;Acc:ZDB-GENE-120920-2]	pcf1
ENSDARG00000053130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSDARG00000074185	ENSDARP00000104114	proprotein convertase subtilisin/kexin type 9 [Source:ZFIN;Acc:ZDB-GENE-060927-1]	pcsk9
ENSDARG00000038976	ENSDARP00000056892	programmed cell death 7 [Source:ZFIN;Acc:ZDB-GENE-040728-3]	pdcd7
ENSDARG00000053609	ENSDARP00000070141	Parkinson disease 7 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-051030-96]	pdcc1
ENSDARG00000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzkip11
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000062998	ENSDARP00000124361	peptidoglycan recognition protein 2 [Source:ZFIN;Acc:ZDB-GENE-071227-1]	pglyrp2
ENSDARG00000068382	ENSDARP00000064847	peptidoglycan recognition protein 5 [Source:ZFIN;Acc:ZDB-GENE-050419-71]	pglyrp5
ENSDARG00000015626	ENSDARP00000095570	peptidoglycan recognition protein 6 [Source:ZFIN;Acc:ZDB-GENE-071227-2]	pglyrp6
ENSDARG00000091534	ENSDARP00000106188	phosphatidylglycerophosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:30029]	PGS1
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000097071	ENSDARP00000128738	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PFO
ENSDARG00000078495	ENSDARP00000102966	polymeric immunoglobulin receptor [Source:ZFIN;Acc:ZDB-GENE-060503-327]	pigr
ENSDARG00000063559	ENSDARP00000087423	phosphatidylinositol glycan anchor biosynthesis, class X [Source:ZFIN;Acc:ZDB-GENE-070705-212]	pigx
ENSDARG00000014849	ENSDARP00000017232	PIH1 domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-041212-54]	pih1d2

ENSDARG00000038612	ENSDARP00000056374	PIH1 domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-040722-2]	pih1d3
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000086471	ENSDARP000000107936	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Source:ZFIN;Acc:ZDB-GENE-050302-97]	pkig
ENSDARG00000092513	ENSDARP000000113826	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG00000091349	ENSDARP000000110527	pleckstrin homology domain containing, family D (with coiled-coil domains) member 1 [Source:ZFIN;Acc:ZDB-GENE-130926-1]	plekhd1
ENSDARG00000097426	ENSDARP000000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000089307	ENSDARP000000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000087389	ENSDARP000000105222	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000086690	ENSDARP000000106025	pogo transposable element with KRAB domain [Source:HGNC Symbol;Acc:HGNC:18800]	POGK
ENSDARG00000079632	ENSDARP000000119350	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG00000074933	ENSDARP000000099588	polymerase (DNA directed), gamma 2, accessory subunit [Source:ZFIN;Acc:ZDB-GENE-060810-116]	polg2
ENSDARG00000075616	ENSDARP000000099037	polymerase (RNA II (DNA directed) polypeptide K [Source:ZFIN;Acc:ZDB-GENE-070820-18]	polr2k
ENSDARG00000074968	ENSDARP000000103340	polymerase (RNA II (DNA directed) polypeptide M [Source:HGNC Symbol;Acc:HGNC:14862]	POLR2M
ENSDARG00000068128	ENSDARP000000105210	protein phosphatase 1, regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	PPP1R15B
ENSDARG00000097143	ENSDARP000000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000068636	ENSDARP000000090124	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000089183	ENSDARP000000128565	protein phosphatase 1, regulatory subunit 32 [Source:ZFIN;Acc:ZDB-GENE-120913-1]	ppp1r32
ENSDARG00000068916	ENSDARP000000059871	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSDARG00000036493	ENSDARP000000053010	PRAME family member 1 [Source:HGNC Symbol;Acc:HGNC:28840]	PRAMEF1
ENSDARG00000078168	ENSDARP000000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000077377	ENSDARP000000108941	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSDARG00000071735	ENSDARP000000097066	prolactin releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-091204-205]	prlh2
ENSDARG00000026229	ENSDARP000000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000086705	ENSDARP000000111395	proline-rich basic protein 1 [Source:HGNC Symbol;Acc:HGNC:41906]	PROB1
ENSDARG00000097591	ENSDARP000000128306	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSDARG00000087393	ENSDARP00000076880	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prr11
ENSDARG00000093768	ENSDARP000000118798	proline rich 18 [Source:ZFIN;Acc:ZDB-GENE-081107-6]	prr18
ENSDARG00000097224	ENSDARP000000127713	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSDARG00000077087	ENSDARP000000102237	proline-rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]	PRRT3
ENSDARG00000088343	ENSDARP000000108434	proline-rich transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37280]	PRRT4
ENSDARG00000016733	ENSDARP000000022134	phosphoserine aminotransferase 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5723]	psat1
ENSDARG00000022652	ENSDARP000000106797	proteasome (prosome, macropain) inhibitor subunit 1 [Source:ZFIN;Acc:ZDB-GENE-040718-282]	psmf1
ENSDARG00000030897	ENSDARP00000040722	proteasome (prosome, macropain) assembly chaperone 3 [Source:ZFIN;Acc:ZDB-GENE-040718-262]	psmg3
ENSDARG00000022951	ENSDARP000000029759	parathyroid hormone 2 [Source:ZFIN;Acc:ZDB-GENE-041102-1]	pth2
ENSDARG00000021113	ENSDARP00000009093	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP000000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000075421	ENSDARP000000069655	pituitary tumor-transforming 1 [Source:ZFIN;Acc:ZDB-GENE-081104-345]	pttg1
ENSDARG00000045853	ENSDARP00000067385	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSDARG00000052121	ENSDARP00000068402	recombination activating gene 2 [Source:ZFIN;Acc:ZDB-GENE-990415-235]	rag2
ENSDARG00000077251	ENSDARP000000100727	retinoic acid induced 2 [Source:HGNC Symbol;Acc:HGNC:9835]	RAI2
ENSDARG00000087032	ENSDARP000000111084	RBBP8 N-terminal like [Source:HGNC Symbol;Acc:HGNC:16144]	RBBP8NL
ENSDARG00000040713	ENSDARP000000095196	retinoblastoma binding protein 9 [Source:ZFIN;Acc:ZDB-GENE-050208-692]	rbbp9
ENSDARG00000073705	ENSDARP000000114038	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rbfa
ENSDARG00000094896	ENSDARP000000113002	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:27223]	RBM33
ENSDARG00000069758	ENSDARP000000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000038186	ENSDARP000000055675	RAD52 motif containing 1 [Source:HGNC Symbol;Acc:HGNC:19950]	RDM1
ENSDARG00000069260	ENSDARP000000091417	REC8 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-060421-4898]	rec8b
ENSDARG00000090039	ENSDARP000000108231	reversion-inducing-cysteine-rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]	RECK
ENSDARG00000035810	ENSDARP000000118377	regulator of cell cycle [Source:ZFIN;Acc:ZDB-GENE-040704-31]	rgcc
ENSDARG00000092463	ENSDARP000000113874	rhomboid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhbdd2
ENSDARG00000079816	ENSDARP000000098546	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSDARG00000077459	ENSDARP000000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000096533	ENSDARP000000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtgr
ENSDARG00000089637	ENSDARP000000123155	ribonuclease H2, subunit C [Source:HGNC Symbol;Acc:HGNC:24116]	RNASEH2C
ENSDARG00000043196	ENSDARP00000063415	ribonuclease like 2 [Source:ZFIN;Acc:ZDB-GENE-050208-420]	rnasel2
ENSDARG00000036171	ENSDARP000000041328	ribonuclease like 3 [Source:ZFIN;Acc:ZDB-GENE-050809-5]	rnasel3
ENSDARG00000076983	ENSDARP000000100693	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnasel4
ENSDARG00000031269	ENSDARP00000044428	ring finger protein 123 [Source:ZFIN;Acc:ZDB-GENE-050208-529]	rf123
ENSDARG00000097289	ENSDARP000000128419	rnf183	rf183
ENSDARG00000093723	ENSDARP000000122098	ring finger protein 212B [Source:HGNC Symbol;Acc:HGNC:20438]	RNF212B
ENSDARG00000027182	ENSDARP00000038815	ring finger protein 25 [Source:ZFIN;Acc:ZDB-GENE-040426-1581]	rf25
ENSDARG00000012453	ENSDARP00000026663	renalase, FAD-dependent amine oxidase [Source:ZFIN;Acc:ZDB-GENE-040718-351]	rnl5
ENSDARG00000038076	ENSDARP000000055509	reactive oxygen species modulator 1 [Source:HGNC Symbol;Acc:HGNC:16185]	ROMO1
ENSDARG00000076008	ENSDARP000000100784	RPA3 opposite strand [Source:HGNC Symbol;Acc:HGNC:48955]	RPA3OS
ENSDARG00000099724	ENSDARP000000012197	ribophorin II [Source:ZFIN;Acc:ZDB-GENE-030131-7928]	rn2
ENSDARG00000043404	ENSDARP00000063718	ribonuclease P 21 subunit [Source:ZFIN;Acc:ZDB-GENE-040801-37]	rpp21
ENSDARG00000098979	ENSDARP00000078191	regulatory associated protein of MTOR, complex 1 [Source:ZFIN;Acc:ZDB-GENE-130530-685]	rptor
ENSDARG00000032516	ENSDARP00000045681	ribosomal RNA processing 36 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-9751]	rrp36
ENSDARG00000033987	ENSDARP00000049889	arginine/serine-rich coiled-coil 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2374]	rsr1
ENSDARG00000097485	ENSDARP000000127983	rtkn2a	rtkn2a
ENSDARG00000059238	ENSDARP000000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000070702	ENSDARP000000094858	S100 calcium binding protein V2 [Source:ZFIN;Acc:ZDB-GENE-030131-8909]	s100v2
ENSDARG00000090966	ENSDARP000000082295	sterile alpha motif domain containing 14 [Source:HGNC Symbol;Acc:HGNC:27312]	SAMD14
ENSDARG00000005945	ENSDARP00000002453	squamous cell carcinoma antigen recognised by T cells [Source:ZFIN;Acc:ZDB-GENE-040718-422]	sart1
ENSDARG00000087186	ENSDARP000000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000076148	ENSDARP000000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149

ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000095515	ENSDARP00000121586	serologically defined colon cancer antigen 3 [Source:ZFIN;Acc:ZDB-GENE-060526-242]	sdccag3
ENSDARG00000092478	ENSDARP00000113870	succinate dehydrogenase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-050809-56]	sdhaf1
ENSDARG00000045202	ENSDARP00000066451	selenoprotein K [Source:ZFIN;Acc:ZDB-GENE-040912-131] sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb [Source:ZFIN;Acc:ZDB-GENE-111117-1]	selk
ENSDARG00000096801	ENSDARP00000127421	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sema4gb
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 2a [Source:ZFIN;Acc:ZDB-GENE-030428-1]	sepw1
ENSDARG00000038228	ENSDARP00000055744	selenoprotein W, 2b [Source:ZFIN;Acc:ZDB-GENE-030428-2]	sepw2a
ENSDARG00000089936	ENSDARP00000107655	small EDRK-rich factor 2 [Source:ZFIN;Acc:ZDB-GENE-041108-1]	sepw2b
ENSDARG00000074340	ENSDARP00000109735	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	serf2
ENSDARG00000089795	ENSDARP00000111763	SFT2 domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070907-1]	SERTAD4
ENSDARG00000070284	ENSDARP00000093784	si:busm1-104n07.3 [Source:ZFIN;Acc:ZDB-GENE-030616-99]	sft2d3
ENSDARG00000074510	ENSDARP00000088705	si:busm1-105i16.2 [Source:ZFIN;Acc:ZDB-GENE-030616-108]	si:busm1-104n07.3
ENSDARG00000070858	ENSDARP00000095157	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-105i16.2
ENSDARG00000089556	ENSDARP00000095706	si:busm1-194e12.12 [Source:ZFIN;Acc:ZDB-GENE-030616-319]	si:busm1-180g5.7
ENSDARG00000055447	ENSDARP00000072268	si:busm1-228j01.4 [Source:ZFIN;Acc:ZDB-GENE-030616-394]	si:busm1-194e12.12
ENSDARG00000088872	ENSDARP00000110668	si:busm1-228j01.6 [Source:ZFIN;Acc:ZDB-GENE-030616-396]	si:busm1-228j01.4
ENSDARG00000041705	ENSDARP00000088910	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:busm1-228j01.6
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-119b3.1
ENSDARG00000092858	ENSDARP00000118598	si:ch1073-143i10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-126c3.2
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-143i10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-144j5.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-164k15.3 [Source:ZFIN;Acc:ZDB-GENE-131119-59]	si:ch1073-15f19.2
ENSDARG00000087102	ENSDARP00000127912	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-164k15.3
ENSDARG00000074805	ENSDARP00000100000	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-270i17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-270i17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-286c18.5
ENSDARG00000074869	ENSDARP00000099238	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-291c23.2
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-340i21.3
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-357b18.4
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-394i4.1
ENSDARG00000097309	ENSDARP00000128603	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-416d2.4
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-464p5.5 [Source:ZFIN;Acc:ZDB-GENE-091116-35]	si:ch1073-443n13.2
ENSDARG00000079544	ENSDARP00000102191	si:ch1073-59i16.1 [Source:ZFIN;Acc:ZDB-GENE-131127-395]	si:ch1073-464p5.5
ENSDARG00000077999	ENSDARP00000128923	si:ch1073-66i23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-51]	si:ch1073-59i16.1
ENSDARG00000097702	ENSDARP00000127699	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch1073-66i23.1
ENSDARG00000079387	ENSDARP00000120072	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-102c2.8
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-106h4.5
ENSDARG00000095059	ENSDARP00000121016	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-107e6.6
ENSDARG00000096915	ENSDARP00000129658	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108c6.2
ENSDARG00000090682	ENSDARP00000111039	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-108d22.1
ENSDARG00000097099	ENSDARP00000127824	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-10d23.5
ENSDARG00000095510	ENSDARP00000121923	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110e21.3
ENSDARG00000089338	ENSDARP00000106913	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-110p13.9
ENSDARG00000093821	ENSDARP00000112784	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113e8.11
ENSDARG00000076585	ENSDARP00000098389	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-113p18.3
ENSDARG00000087835	ENSDARP00000116673	si:ch211-114i13.12 [Source:ZFIN;Acc:ZDB-GENE-120215-211]	si:ch211-114c12.2
ENSDARG00000028542	ENSDARP00000032320	si:ch211-114i13.9 [Source:ZFIN;Acc:ZDB-GENE-070424-116]	si:ch211-114i13.12
ENSDARG00000088019	ENSDARP00000107085	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-114i13.9
ENSDARG00000092894	ENSDARP00000119259	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-116o3.5
ENSDARG00000097692	ENSDARP00000127884	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i20.2
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117m20.5 [Source:ZFIN;Acc:ZDB-GENE-030131-12]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117m20.5
ENSDARG00000091996	ENSDARP00000114787	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-117n7.8
ENSDARG00000092855	ENSDARP00000116398	si:ch211-119d14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-100]	si:ch211-119d14.2
ENSDARG00000094251	ENSDARP00000117732	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-119d14.3
ENSDARG00000075332	ENSDARP00000097910	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-11c15.3
ENSDARG00000092970	ENSDARP00000114378	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.1
ENSDARG00000070215	ENSDARP00000093646	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-120e1.7
ENSDARG00000094634	ENSDARP00000115029	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.2
ENSDARG000000904474	ENSDARP00000123322	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.4
ENSDARG00000093703	ENSDARP00000120405		si:ch211-122i14.6
ENSDARG00000095775	ENSDARP00000114554		si:ch211-122i14.6

ENSDARG00000095049	ENSDARP00000122846	si:ch211-122i24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122i24.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122i24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122i24.3
ENSDARG00000087004	ENSDARP00000109898	si:ch211-122i24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122i24.4
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096666	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000094737	ENSDARP00000114770	si:ch211-12e13.12 [Source:ZFIN;Acc:ZDB-GENE-070424-121]	si:ch211-12e13.12
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000040250	ENSDARP00000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000098477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000095102	ENSDARP00000126919	si:ch211-132g1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-26]	si:ch211-132g1.4
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-469]	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000027676	ENSDARP00000120485	si:ch211-133i5.8 [Source:ZFIN;Acc:ZDB-GENE-081104-118]	si:ch211-133i5.8
ENSDARG00000094796	ENSDARP00000120988	si:ch211-133n4.11 [Source:ZFIN;Acc:ZDB-GENE-070424-124]	si:ch211-133n4.11
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000087848	ENSDARP00000129560	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000027738	ENSDARP00000123164	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000023203	ENSDARP00000067873	si:ch211-147g22.1 [Source:ZFIN;Acc:ZDB-GENE-131127-176]	si:ch211-147g22.1
ENSDARG00000051712	ENSDARP00000067872	si:ch211-147g22.2 [Source:ZFIN;Acc:ZDB-GENE-131121-175]	si:ch211-147g22.2
ENSDARG00000096830	ENSDARP00000128887	si:ch211-147g22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-70]	si:ch211-147g22.3
ENSDARG00000097275	ENSDARP00000129196	si:ch211-147g22.4 [Source:ZFIN;Acc:ZDB-GENE-131121-226]	si:ch211-147g22.4
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000094469	ENSDARP00000112582	si:ch211-148i7.4 [Source:ZFIN;Acc:ZDB-GENE-090313-38]	si:ch211-148i7.4
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000088493	ENSDARP00000112081	si:ch211-149k12.3 [Source:ZFIN;Acc:ZDB-GENE-131127-504]	si:ch211-149k12.3
ENSDARG00000079501	ENSDARP00000099840	si:ch211-149l1.2 [Source:ZFIN;Acc:ZDB-GENE-090313-40]	si:ch211-149l1.2
ENSDARG00000097936	ENSDARP00000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000097553	ENSDARP00000123227	si:ch211-149p10.2 [Source:ZFIN;Acc:ZDB-GENE-060503-762]	si:ch211-149p10.2
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000094522	ENSDARP00000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000092972	ENSDARP00000113980	si:ch211-14k19.8	si:ch211-14k19.8
ENSDARG00000092746	ENSDARP00000122765	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000097187	ENSDARP00000128396	si:ch211-153i6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153i6.6
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000070757	ENSDARP00000126817	si:ch211-155i14.1 [Source:ZFIN;Acc:ZDB-GENE-040724-246]	si:ch211-155i14.1
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000086518	ENSDARP00000107859	si:ch211-155o21.3 [Source:ZFIN;Acc:ZDB-GENE-121214-24]	si:ch211-155o21.3
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000094977	ENSDARP00000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSDARG00000076850	ENSDARP00000099984	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSDARG00000093048	ENSDARP00000122642	si:ch211-158d24.4 [Source:ZFIN;Acc:ZDB-GENE-081104-141]	si:ch211-158d24.4
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000087238	ENSDARP00000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSDARG00000093044	ENSDARP00000114560	si:ch211-161h7.5 [Source:ZFIN;Acc:ZDB-GENE-091204-265]	si:ch211-161h7.5
ENSDARG00000028164	ENSDARP00000043192	si:ch211-161h7.6 [Source:ZFIN;Acc:ZDB-GENE-091118-10]	si:ch211-161h7.6

ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000094890	ENSDARP00000120066	si:ch211-163b2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-502]	si:ch211-163b2.4
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000079042	ENSDARP00000102034	si:ch211-166e11.5 [Source:ZFIN;Acc:ZDB-GENE-070912-142]	si:ch211-166e11.5
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000097770	ENSDARP00000128771	si:ch211-167j9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-196]	si:ch211-167j9.4
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000087873	ENSDARP00000111904	si:ch211-170n20.3 [Source:ZFIN;Acc:ZDB-GENE-131121-365]	si:ch211-170n20.3
ENSDARG00000091590	ENSDARP00000120837	si:ch211-170p16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-152]	si:ch211-170p16.1
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000093015	ENSDARP00000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4
ENSDARG00000086802	ENSDARP00000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000070661	ENSDARP00000075296	si:ch211-182e10.4 [Source:ZFIN;Acc:ZDB-GENE-041014-76]	si:ch211-182e10.4
ENSDARG00000090807	ENSDARP00000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000077288	ENSDARP00000100789	si:ch211-188c16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-162]	si:ch211-188c16.1
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000095459	ENSDARP00000123372	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSDARG00000094059	ENSDARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000077572	ENSDARP00000126053	si:ch211-193k19.2 [Source:ZFIN;Acc:ZDB-GENE-060503-203]	si:ch211-193k19.2
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG00000070204	ENSDARP00000064992	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000041492	ENSDARP00000060824	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000071361	ENSDARP00000121020	si:ch211-197g15.10 [Source:ZFIN;Acc:ZDB-GENE-050208-617]	si:ch211-197g15.10
ENSDARG00000094747	ENSDARP00000121352	si:ch211-197g15.6 [Source:ZFIN;Acc:ZDB-GENE-050208-457]	si:ch211-197g15.6
ENSDARG00000071355	ENSDARP00000096226	si:ch211-197g15.7 [Source:ZFIN;Acc:ZDB-GENE-030131-4763]	si:ch211-197g15.7
ENSDARG00000094984	ENSDARP00000125020	si:ch211-197g15.8 [Source:ZFIN;Acc:ZDB-GENE-050208-377]	si:ch211-197g15.8
ENSDARG00000002293	ENSDARP00000096228	si:ch211-197g15.9 [Source:ZFIN;Acc:ZDB-GENE-050208-616]	si:ch211-197g15.9
ENSDARG00000096214	ENSDARP00000125210	si:ch211-197k17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-193]	si:ch211-197k17.3
ENSDARG00000089333	ENSDARP00000104595	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-070912-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000076609	ENSDARP00000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000092423	ENSDARP00000115162	si:ch211-202a12.7 [Source:ZFIN;Acc:ZDB-GENE-060526-77]	si:ch211-202a12.7
ENSDARG00000094706	ENSDARP00000112794	si:ch211-202a12.8 [Source:ZFIN;Acc:ZDB-GENE-060526-78]	si:ch211-202a12.8
ENSDARG00000093779	ENSDARP00000116772	si:ch211-202a12.9 [Source:ZFIN;Acc:ZDB-GENE-060526-79]	si:ch211-202a12.9
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c1.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c1.7
ENSDARG00000096060	ENSDARP00000125562	si:ch211-202c4.2 [Source:ZFIN;Acc:ZDB-GENE-100922-179]	si:ch211-202c4.2
ENSDARG00000078138	ENSDARP00000100828	si:ch211-202h22.8 [Source:ZFIN;Acc:ZDB-GENE-090313-78]	si:ch211-202h22.8
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000042339	ENSDARP00000118868	si:ch211-207b24.4 [Source:ZFIN;Acc:ZDB-GENE-100921-9]	si:ch211-207b24.4
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000090793	ENSDARP00000126338	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000056501	ENSDARP00000073465	si:ch211-208g24.8 [Source:ZFIN;Acc:ZDB-GENE-131127-183]	si:ch211-208g24.8
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000093111	ENSDARP00000127975	si:ch211-209i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-682]	si:ch211-209i18.2
ENSDARG0000009402	ENSDARP00000029748	si:ch211-210b2.2 [Source:ZFIN;Acc:ZDB-GENE-131118-33]	si:ch211-210b2.2
ENSDARG00000096927	ENSDARP00000128104	si:ch211-210b2.3 [Source:ZFIN;Acc:ZDB-GENE-131122-13]	si:ch211-210b2.3
ENSDARG00000095212	ENSDARP00000128098	si:ch211-210b2.4 [Source:ZFIN;Acc:ZDB-GENE-131122-12]	si:ch211-210b2.4
ENSDARG00000092856	ENSDARP00000114642	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7

ENSDARG00000078499	ENSDARP00000103610	si:ch211-212k5.3 [Source:ZFIN;Acc:ZDB-GENE-110914-156]	si:ch211-212k5.3
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000069595	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092556	ENSDARP00000122372	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSDARG00000091411	ENSDARP00000106310	si:ch211-214p13.9 [Source:ZFIN;Acc:ZDB-GENE-060503-213]	si:ch211-214p13.9
ENSDARG00000094930	ENSDARP00000123276	si:ch211-215e19.2 [Source:ZFIN;Acc:ZDB-GENE-060503-591]	si:ch211-215e19.2
ENSDARG00000093593	ENSDARP00000113183	si:ch211-215e19.3 [Source:ZFIN;Acc:ZDB-GENE-060503-685]	si:ch211-215e19.3
ENSDARG00000095320	ENSDARP00000112657	si:ch211-215e19.4 [Source:ZFIN;Acc:ZDB-GENE-060503-780]	si:ch211-215e19.4
ENSDARG00000091949	ENSDARP00000118899	si:ch211-215e19.6 [Source:ZFIN;Acc:ZDB-GENE-060503-874]	si:ch211-215e19.6
ENSDARG00000097270	ENSDARP00000099074	si:ch211-215e19.7 [Source:ZFIN;Acc:ZDB-GENE-060503-26]	si:ch211-215e19.7
ENSDARG00000093757	ENSDARP00000115831	si:ch211-215e19.8 [Source:ZFIN;Acc:ZDB-GENE-070705-106]	si:ch211-215e19.8
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000093445	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000093494	ENSDARP00000120801	si:ch211-217k17.9 [Source:ZFIN;Acc:ZDB-GENE-061207-21]	si:ch211-217k17.9
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000097976	ENSDARP00000119780	si:ch211-220f16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-199]	si:ch211-220f16.2
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000071578	ENSDARP00000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000093563	ENSDARP00000116648	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000094038	ENSDARP00000118164	si:ch211-226f6.1 [Source:ZFIN;Acc:ZDB-GENE-070912-217]	si:ch211-226f6.1
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000045646	ENSDARP00000067120	si:ch211-227p7.1 [Source:ZFIN;Acc:ZDB-GENE-041210-224]	si:ch211-227p7.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000086874	ENSDARP00000111653	si:ch211-232i5.3 [Source:ZFIN;Acc:ZDB-GENE-091204-88]	si:ch211-232i5.3
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG00000097985	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-051208-68]	si:ch211-236g6.1
ENSDARG00000095051	ENSDARP00000119801	si:ch211-236i14.1 [Source:ZFIN;Acc:ZDB-GENE-081104-492]	si:ch211-236i14.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000054502	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP00000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000092240	ENSDARP00000115403	si:ch211-243a20.3 [Source:ZFIN;Acc:ZDB-GENE-061207-88]	si:ch211-243a20.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENSDARG00000041911	ENSDARP00000061416	si:ch211-245h14.1 [Source:ZFIN;Acc:ZDB-GENE-041014-350]	si:ch211-245h14.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000097693	ENSDARP00000128313	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000075065	ENSDARP00000128027	si:ch211-249o11.5 [Source:ZFIN;Acc:ZDB-GENE-131127-165]	si:ch211-249o11.5
ENSDARG00000088251	ENSDARP00000109456	si:ch211-24o10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-24o10.6
ENSDARG00000092199	ENSDARP00000121478	si:ch211-250c4.4 [Source:ZFIN;Acc:ZDB-GENE-081107-32]	si:ch211-250c4.4
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000088736	ENSDARP00000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-2]	si:ch211-250n8.1
ENSDARG00000053448	ENSDARP00000089803	si:ch211-251f6.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3219]	si:ch211-251f6.6
ENSDARG00000091558	ENSDARP00000113985	si:ch211-251f6.7 [Source:ZFIN;Acc:ZDB-GENE-091113-57]	si:ch211-251f6.7
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000097535	ENSDARP00000127547	si:ch211-252f13.5 [Source:ZFIN;Acc:ZDB-GENE-131121-629]	si:ch211-252f13.5

ENSDARG0000001800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG000000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG000000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG000000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG000000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG000000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG000000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG000000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG000000097032	ENSDARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG000000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG000000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-40]	si:ch211-260d11.1
ENSDARG000000097284	ENSDARP00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDARG000000091695	ENSDARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDARG000000070898	ENSDARP00000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENSDARG000000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG000000078547	ENSDARP00000098786	si:ch211-264f5.2 [Source:ZFIN;Acc:ZDB-GENE-080303-2]	si:ch211-264f5.2
ENSDARG000000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG000000095703	ENSDARP00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDARG000000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG000000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG000000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG000000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-211]	si:ch211-270g19.5
ENSDARG000000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG000000092667	ENSDARP00000122313	si:ch211-271e10.2 [Source:ZFIN;Acc:ZDB-GENE-060526-146]	si:ch211-271e10.2
ENSDARG000000093763	ENSDARP00000114010	si:ch211-271e10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-149]	si:ch211-271e10.6
ENSDARG000000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG000000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG000000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG000000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG000000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG000000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG000000096398	ENSDARP00000125977	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSDARG000000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG000000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG000000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG000000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG000000091997	ENSDARP00000119847	si:ch211-284e13.11 [Source:ZFIN;Acc:ZDB-GENE-060526-157]	si:ch211-284e13.11
ENSDARG000000094492	ENSDARP00000115320	si:ch211-284e13.12 [Source:ZFIN;Acc:ZDB-GENE-060526-158]	si:ch211-284e13.12
ENSDARG000000097952	ENSDARP00000128286	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSDARG000000093214	ENSDARP00000115113	si:ch211-284e13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-164]	si:ch211-284e13.9
ENSDARG000000076257	ENSDARP00000113015	si:ch211-285c6.1 [Source:ZFIN;Acc:ZDB-GENE-041001-89]	si:ch211-285c6.1
ENSDARG000000095410	ENSDARP00000118123	si:ch211-285c6.4 [Source:ZFIN;Acc:ZDB-GENE-041001-97]	si:ch211-285c6.4
ENSDARG000000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG000000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG000000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG000000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG000000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG000000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG000000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG000000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG000000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG000000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG000000096932	ENSDARP00000129271	si:ch211-37e10.2 [Source:ZFIN;Acc:ZDB-GENE-131121-415]	si:ch211-37e10.2
ENSDARG000000075881	ENSDARP00000104099	si:ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	si:ch211-39k3.2
ENSDARG000000097855	ENSDARP00000128446	si:ch211-3o3.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12]	si:ch211-3o3.9
ENSDARG000000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG000000094668	ENSDARP00000114748	si:ch211-51a19.5 [Source:ZFIN;Acc:ZDB-GENE-041014-366]	si:ch211-51a19.5
ENSDARG000000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG000000013022	ENSDARP00000076012	si:ch211-59h6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-418]	si:ch211-59h6.1
ENSDARG000000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG000000097600	ENSDARP00000128731	si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531]	si:ch211-66h3.4
ENSDARG000000095580	ENSDARP00000119232	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSDARG000000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG000000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG000000086317	ENSDARP00000105628	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSDARG000000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG000000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG000000070656	ENSDARP00000094724	si:ch211-69g19.2 [Source:ZFIN;Acc:ZDB-GENE-030804-13]	si:ch211-69g19.2
ENSDARG000000098036	ENSDARP00000129469	si:ch211-69l10.4 [Source:ZFIN;Acc:ZDB-GENE-131127-259]	si:ch211-69l10.4
ENSDARG000000087061	ENSDARP00000111332	si:ch211-71k14.1 [Source:ZFIN;Acc:ZDB-GENE-110411-283]	si:ch211-71k14.1
ENSDARG000000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG000000096242	ENSDARP00000126136	si:ch211-76l23.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8310]	si:ch211-76l23.4
ENSDARG000000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG000000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG000000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG000000070972	ENSDARP00000095408	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-137]	si:ch211-81a5.8
ENSDARG000000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-138]	si:ch211-85n16.3
ENSDARG000000074098	ENSDARP00000100670	si:ch211-86h15.1 [Source:ZFIN;Acc:ZDB-GENE-081107-38]	si:ch211-86h15.1
ENSDARG000000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1

ENSDARG00000093237	ENSDARP00000122761	si:ch211-89o9.4 [Source:ZFIN;Acc:ZDB-GENE-090313-134]	si:ch211-89o9.4
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000041524	ENSDARP00000060878	si:ch211-9d9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-2657]	si:ch211-9d9.1
ENSDARG00000095520	ENSDARP00000115277	si:ch211-9d9.7 [Source:ZFIN;Acc:ZDB-GENE-060503-422]	si:ch211-9d9.7
ENSDARG00000094905	ENSDARP00000114629	si:ch211-9d9.8 [Source:ZFIN;Acc:ZDB-GENE-060503-515]	si:ch211-9d9.8
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000096629	ENSDARP00000126708	si:ch73-132f6.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9581]	si:ch73-132f6.5
ENSDARG00000095867	ENSDARP00000123979	si:ch73-132k15.2 [Source:ZFIN;Acc:ZDB-GENE-110411-191]	si:ch73-132k15.2
ENSDARG00000089246	ENSDARP00000108150	si:ch73-134f24.1 [Source:ZFIN;Acc:ZDB-GENE-091204-108]	si:ch73-134f24.1
ENSDARG00000087364	ENSDARP00000105018	si:ch73-140j24.4 [Source:ZFIN;Acc:ZDB-GENE-131120-193]	si:ch73-140j24.4
ENSDARG00000097804	ENSDARP00000129351	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-362]	si:ch73-156o22.2
ENSDARG00000097901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000076865	ENSDARP00000110233	si:ch73-193c12.2 [Source:ZFIN;Acc:ZDB-GENE-131127-646]	si:ch73-193c12.2
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000094281	ENSDARP00000120402	si:ch73-196i15.3 [Source:ZFIN;Acc:ZDB-GENE-091116-4]	si:ch73-196i15.3
ENSDARG00000094914	ENSDARP00000113125	si:ch73-196i15.5 [Source:ZFIN;Acc:ZDB-GENE-091118-32]	si:ch73-196i15.5
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211l13.2
ENSDARG00000053345	ENSDARP00000069864	si:ch73-211i2.1 [Source:ZFIN;Acc:ZDB-GENE-081105-10]	si:ch73-211i2.1
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000087107	ENSDARP00000116551	si:ch73-222h13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-144]	si:ch73-222h13.1
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000095939	ENSDARP00000124684	si:ch73-226l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-18]	si:ch73-226l13.2
ENSDARG00000058782	ENSDARP00000128803	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3
ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5 [Source:ZFIN;Acc:ZDB-GENE-070705-225]	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000089185	ENSDARP00000115983	si:ch73-264i18.2 [Source:ZFIN;Acc:ZDB-GENE-091204-6]	si:ch73-264i18.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000087559	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231]	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-30l9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-30l9.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000093709	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000093368	ENSDARP00000116528	si:ch73-348k23.1 [Source:ZFIN;Acc:ZDB-GENE-060601-1]	si:ch73-348k23.1
ENSDARG00000097563	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2

ENSDARG0000070049	ENSDARP0000093274	si:ch73-366i20.1 [Source:ZFIN;Acc:ZDB-GENE-070912-338]	si:ch73-366i20.1
ENSDARG0000008914	ENSDARP00000106617	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000043812	ENSDARP00000115043	si:ch73-389k6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-408]	si:ch73-389k6.1
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000097696	ENSDARP00000128197	si:ch73-71c20.5 [Source:ZFIN;Acc:ZDB-GENE-060810-58]	si:ch73-71c20.5
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000087596	ENSDARP00000108771	si:ch73-95i15.5 [Source:ZFIN;Acc:ZDB-GENE-030131-3481]	si:ch73-95i15.5
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000058537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000091576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3
ENSDARG00000095057	ENSDARP00000114368	si:dkey-103d23.3 [Source:ZFIN;Acc:ZDB-GENE-081104-522]	si:dkey-103d23.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106i3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106i3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG000000970315	ENSDARP00000093832	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000093960	ENSDARP00000114887	si:dkey-111e8.5 [Source:ZFIN;Acc:ZDB-GENE-060526-192]	si:dkey-111e8.5
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000096776	ENSDARP00000127194	si:dkey-113d16.9 [Source:ZFIN;Acc:ZDB-GENE-130603-86]	si:dkey-113d16.9
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114i24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114i24.2
ENSDARG00000093120	ENSDARP00000115667	si:dkey-117m1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-177]	si:dkey-117m1.4
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000096457	ENSDARP00000126436	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000093308	ENSDARP00000113629	si:dkey-11f4.14 [Source:ZFIN;Acc:ZDB-GENE-070912-355]	si:dkey-11f4.14
ENSDARG00000076224	ENSDARP00000100024	si:dkey-11f4.16 [Source:ZFIN;Acc:ZDB-GENE-070912-357]	si:dkey-11f4.16
ENSDARG00000094859	ENSDARP00000120716	si:dkey-11o15.10 [Source:ZFIN;Acc:ZDB-GENE-091204-312]	si:dkey-11o15.10
ENSDARG000000971458	ENSDARP00000096444	si:dkey-121a11.3 [Source:ZFIN;Acc:ZDB-GENE-050208-417]	si:dkey-121a11.3
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000095821	ENSDARP00000124148	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSDARG00000094800	ENSDARP00000122373	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12i12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12i12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000090700	ENSDARP00000126601	si:dkey-13m3.2 [Source:ZFIN;Acc:ZDB-GENE-121214-42]	si:dkey-13m3.2
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000088529	ENSDARP00000106972	si:dkey-146m20.1 [Source:ZFIN;Acc:ZDB-GENE-041210-341]	si:dkey-146m20.1
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000095169	ENSDARP00000116781	si:dkey-152b24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-31]	si:dkey-152b24.6
ENSDARG00000092486	ENSDARP00000123005	si:dkey-152b24.8 [Source:ZFIN;Acc:ZDB-GENE-100922-52]	si:dkey-152b24.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000097059	ENSDARP00000127829	si:dkey-159n16.4 [Source:ZFIN;Acc:ZDB-GENE-131120-58]	si:dkey-159n16.4
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042683	ENSDARP00000127287	si:dkey-15j16.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4680]	si:dkey-15j16.3
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3 [Source:ZFIN;Acc:ZDB-GENE-121214-324]	si:dkey-162h11.3

ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000096722	ENSDARP00000127408	si:dkey-16i5.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1207]	si:dkey-16i5.8
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000053761	ENSDARP00000064293	si:dkey-187j14.4 [Source:ZFIN;Acc:ZDB-GENE-131119-26]	si:dkey-187j14.4
ENSDARG00000086849	ENSDARP00000112390	si:dkey-187k19.2 [Source:ZFIN;Acc:ZDB-GENE-131121-68]	si:dkey-187k19.2
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000094012	ENSDARP00000112918	si:dkey-192g7.3 [Source:ZFIN;Acc:ZDB-GENE-070912-411]	si:dkey-192g7.3
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000092883	ENSDARP00000099521	si:dkey-193b15.5 [Source:ZFIN;Acc:ZDB-GENE-070912-413]	si:dkey-193b15.5
ENSDARG00000093687	ENSDARP00000115304	si:dkey-193c22.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7957]	si:dkey-193c22.1
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000095940	ENSDARP00000123841	si:dkey-19a16.12 [Source:ZFIN;Acc:ZDB-GENE-110408-26]	si:dkey-19a16.12
ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13 [Source:ZFIN;Acc:ZDB-GENE-110411-2]	si:dkey-19a16.13
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000074334	ENSDARP00000101238	si:dkey-1c7.1 [Source:ZFIN;Acc:ZDB-GENE-121214-246]	si:dkey-1c7.1
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000076398	ENSDARP00000118267	si:dkey-201i21.4 [Source:ZFIN;Acc:ZDB-GENE-060531-98]	si:dkey-201i21.4
ENSDARG00000073965	ENSDARP00000037522	si:dkey-202b22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-175]	si:dkey-202b22.5
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-163]	si:dkey-205h23.1
ENSDARG00000096971	ENSDARP00000128158	si:dkey-206p8.1 [Source:ZFIN;Acc:ZDB-GENE-131127-460]	si:dkey-206p8.1
ENSDARG00000043540	ENSDARP00000092008	si:dkey-207l24.2 [Source:ZFIN;Acc:ZDB-GENE-131125-92]	si:dkey-207l24.2
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7 [Source:ZFIN;Acc:ZDB-GENE-090313-232]	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5

ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096701	ENSDARP00000127248	si:dkey-21e13.3 [Source:ZFIN;Acc:ZDB-GENE-130531-75]	si:dkey-21e13.3
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000068325	ENSDARP00000056669	si:dkey-21n10.3 [Source:ZFIN;Acc:ZDB-GENE-070912-444]	si:dkey-21n10.3
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221l4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221l4.10
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000075428	ENSDARP00000099974	si:dkey-225i9.4 [Source:ZFIN;Acc:ZDB-GENE-131125-28]	si:dkey-225i9.4
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000096999	ENSDARP00000104390	si:dkey-228l14.1 [Source:ZFIN;Acc:ZDB-GENE-090312-27]	si:dkey-228l14.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092044	ENSDARP00000115590	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000070126	ENSDARP00000093431	si:dkey-22i11.6 [Source:ZFIN;Acc:ZDB-GENE-041210-251]	si:dkey-22i11.6
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097228	ENSDARP00000080909	si:dkey-234i14.12 [Source:ZFIN;Acc:ZDB-GENE-131127-173]	si:dkey-234i14.12
ENSDARG00000074928	ENSDARP00000081168	si:dkey-234i14.13 [Source:ZFIN;Acc:ZDB-GENE-131121-140]	si:dkey-234i14.13
ENSDARG00000077452	ENSDARP00000099724	si:dkey-234i14.14 [Source:ZFIN;Acc:ZDB-GENE-131127-104]	si:dkey-234i14.14
ENSDARG00000074062	ENSDARP00000129656	si:dkey-234i14.15 [Source:ZFIN;Acc:ZDB-GENE-131121-188]	si:dkey-234i14.15
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097802	ENSDARP00000128641	si:dkey-238d18.12 [Source:ZFIN;Acc:ZDB-GENE-131126-41]	si:dkey-238d18.12
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000097739	ENSDARP00000128307	si:dkey-238d18.9 [Source:ZFIN;Acc:ZDB-GENE-131120-170]	si:dkey-238d18.9
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000078847	ENSDARP00000097753	si:dkey-238o13.4 [Source:ZFIN;Acc:ZDB-GENE-070705-403]	si:dkey-238o13.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-514]	si:dkey-238o14.7
ENSDARG00000094824	ENSDARP00000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1
ENSDARG00000023036	ENSDARP00000093620	si:dkey-23a23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-158]	si:dkey-23a23.2
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000069189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000070320	ENSDARP00000093863	si:dkey-245p14.4 [Source:ZFIN;Acc:ZDB-GENE-061207-63]	si:dkey-245p14.4
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000090120	ENSDARP00000109766	si:dkey-248g21.1 [Source:ZFIN;Acc:ZDB-GENE-131119-67]	si:dkey-248g21.1
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000088452	ENSDARP00000124204	si:dkey-24i24.3 [Source:ZFIN;Acc:ZDB-GENE-110411-103]	si:dkey-24i24.3
ENSDARG00000068140	ENSDARP00000089121	si:dkey-24i11.2 [Source:ZFIN;Acc:ZDB-GENE-050419-208]	si:dkey-24i11.2
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000095643	ENSDARP00000096720	si:dkey-253d23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-330]	si:dkey-253d23.3
ENSDARG00000079762	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000078844	ENSDARP00000119456	si:dkey-259p7.1 [Source:ZFIN;Acc:ZDB-GENE-100921-42]	si:dkey-259p7.1
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2

ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000032993	ENSDARP00000041769	si:dkey-25o1.9 [Source:ZFIN;Acc:ZDB-GENE-130603-64]	si:dkey-25o1.9
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000094345	ENSDARP00000114878	si:dkey-261i7.2 [Source:ZFIN;Acc:ZDB-GENE-090313-288]	si:dkey-261i7.2
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000089838	ENSDARP00000112312	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000086613	ENSDARP00000105403	si:dkey-266f7.10 [Source:ZFIN;Acc:ZDB-GENE-120215-242]	si:dkey-266f7.10
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000094886	ENSDARP00000125630	si:dkey-266f7.5 [Source:ZFIN;Acc:ZDB-GENE-070705-437]	si:dkey-266f7.5
ENSDARG00000075958	ENSDARP00000103759	si:dkey-266f7.9 [Source:ZFIN;Acc:ZDB-GENE-070705-440]	si:dkey-266f7.9
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000096437	ENSDARP00000126340	si:dkey-26h11.1 [Source:ZFIN;Acc:ZDB-GENE-120709-74]	si:dkey-26h11.1
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000091627	ENSDARP00000107508	si:dkey-27j15.3 [Source:ZFIN;Acc:ZDB-GENE-100921-27]	si:dkey-27j15.3
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000090872	ENSDARP00000106312	si:dkey-276j7.1 [Source:ZFIN;Acc:ZDB-GENE-060720-44]	si:dkey-276j7.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000093621	ENSDARP00000118008	si:dkey-27b3.4 [Source:ZFIN;Acc:ZDB-GENE-091204-131]	si:dkey-27b3.4
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27l15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27l15.1
ENSDARG00000092228	ENSDARP00000114575	si:dkey-27p18.3 [Source:ZFIN;Acc:ZDB-GENE-060526-287]	si:dkey-27p18.3
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000092458	ENSDARP00000117544	si:dkey-282h22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-220]	si:dkey-282h22.5
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000090708	ENSDARP00000107235	si:dkey-28g23.6 [Source:ZFIN;Acc:ZDB-GENE-131119-80]	si:dkey-28g23.6
ENSDARG00000091879	ENSDARP00000114600	si:dkey-29d8.3 [Source:ZFIN;Acc:ZDB-GENE-070912-508]	si:dkey-29d8.3
ENSDARG00000096524	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000096540	ENSDARP00000092070	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-131119-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000092934	ENSDARP00000121281	si:dkey-32e6.3 [Source:ZFIN;Acc:ZDB-GENE-081104-408]	si:dkey-32e6.3
ENSDARG00000053738	ENSDARP00000070311	si:dkey-33b17.3 [Source:ZFIN;Acc:ZDB-GENE-030616-171]	si:dkey-33b17.3
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088800	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000094587	ENSDARP00000112901	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000045669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000068398	ENSDARP00000089681	si:dkey-3b8.4 [Source:ZFIN;Acc:ZDB-GENE-050419-24]	si:dkey-3b8.4
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000095252	ENSDARP00000117573	si:dkey-40h20.1 [Source:ZFIN;Acc:ZDB-GENE-091113-44]	si:dkey-40h20.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092133	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4

ENSDARG00000093414	ENSDARP00000120556	si:dkey-50i6.5 [Source:ZFIN;Acc:ZDB-GENE-081031-53]	si:dkey-50i6.5
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52i18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52i18.4
ENSDARG00000096977	ENSDARP00000128999	si:dkey-52p2.4 [Source:ZFIN;Acc:ZDB-GENE-131120-129]	si:dkey-52p2.4
ENSDARG00000051713	ENSDARP00000067874	si:dkey-52p2.6 [Source:ZFIN;Acc:ZDB-GENE-131127-447]	si:dkey-52p2.6
ENSDARG00000097766	ENSDARP00000128245	si:dkey-52p2.7 [Source:ZFIN;Acc:ZDB-GENE-131127-130]	si:dkey-52p2.7
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000087793	ENSDARP00000111133	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSDARG00000070845	ENSDARP00000095136	si:dkey-56d12.4 [Source:ZFIN;Acc:ZDB-GENE-060531-147]	si:dkey-56d12.4
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000078152	ENSDARP00000101620	si:dkey-56i24.1 [Source:ZFIN;Acc:ZDB-GENE-081105-8]	si:dkey-56i24.1
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000075537	ENSDARP00000125311	si:dkey-57i19.1 [Source:ZFIN;Acc:ZDB-GENE-060503-171]	si:dkey-57i19.1
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10 [Source:ZFIN;Acc:ZDB-GENE-060526-312]	si:dkey-58f10.10
ENSDARG00000094935	ENSDARP00000116305	si:dkey-58f10.11 [Source:ZFIN;Acc:ZDB-GENE-060526-313]	si:dkey-58f10.11
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12 [Source:ZFIN;Acc:ZDB-GENE-060526-314]	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13 [Source:ZFIN;Acc:ZDB-GENE-060526-315]	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14 [Source:ZFIN;Acc:ZDB-GENE-060526-316]	si:dkey-58f10.14
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000094489	ENSDARP00000120147	si:dkey-58f10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-320]	si:dkey-58f10.6
ENSDARG00000091972	ENSDARP00000112844	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000094869	ENSDARP00000117002	si:dkey-5n7.2 [Source:ZFIN;Acc:ZDB-GENE-050420-254]	si:dkey-5n7.2
ENSDARG00000070773	ENSDARP00000053882	si:dkey-60a16.1 [Source:ZFIN;Acc:ZDB-GENE-040724-244]	si:dkey-60a16.1
ENSDARG00000094528	ENSDARP00000117624	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000093234	ENSDARP00000116561	si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12]	si:dkey-65i23.2
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66i17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66i17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000092390	ENSDARP00000120910	si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340]	si:dkey-6f10.4
ENSDARG00000058032	ENSDARP00000075278	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSDARG00000092039	ENSDARP00000119877	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000093458	ENSDARP00000115334	si:dkey-76d14.2 [Source:ZFIN;Acc:ZDB-GENE-070912-580]	si:dkey-76d14.2
ENSDARG00000087331	ENSDARP00000108716	si:dkey-77f5.3 [Source:ZFIN;Acc:ZDB-GENE-030131-5102]	si:dkey-77f5.3
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153]	si:dkey-79c1.1
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000093857	ENSDARP00000117665	si:dkey-79f11.10 [Source:ZFIN;Acc:ZDB-GENE-050302-48]	si:dkey-79f11.10
ENSDARG00000076002	ENSDARP00000075900	si:dkey-79f11.4 [Source:ZFIN;Acc:ZDB-GENE-090312-75]	si:dkey-79f11.4
ENSDARG00000075791	ENSDARP00000113622	si:dkey-79f11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9145]	si:dkey-79f11.5
ENSDARG00000092361	ENSDARP00000128559	si:dkey-79f11.7 [Source:ZFIN;Acc:ZDB-GENE-090313-338]	si:dkey-79f11.7
ENSDARG00000095673	ENSDARP00000121495	si:dkey-79f11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-4806]	si:dkey-79f11.8
ENSDARG00000095309	ENSDARP00000126882	si:dkey-79f11.9 [Source:ZFIN;Acc:ZDB-GENE-090313-339]	si:dkey-79f11.9
ENSDARG00000094710	ENSDARP00000120720	si:dkey-79i2.4 [Source:ZFIN;Acc:ZDB-GENE-060503-553]	si:dkey-79i2.4
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000089021	ENSDARP00000108888	si:dkey-7f16.3 [Source:ZFIN;Acc:ZDB-GENE-131120-59]	si:dkey-7f16.3
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000097528	ENSDARP00000128310	si:dkey-7j14.5 [Source:ZFIN;Acc:ZDB-GENE-030131-8110]	si:dkey-7j14.5
ENSDARG00000090552	ENSDARP00000106870	si:dkey-7j14.6 [Source:ZFIN;Acc:ZDB-GENE-030131-8466]	si:dkey-7j14.6
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000094074	ENSDARP00000118587	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1

ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095047	ENSDARP00000121197	si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242]	si:dkey-85k15.4
ENSDARG00000094385	ENSDARP00000112862	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSDARG00000094759	ENSDARP00000123537	si:dkey-85k15.7 [Source:ZFIN;Acc:ZDB-GENE-100921-85]	si:dkey-85k15.7
ENSDARG00000095893	ENSDARP00000124597	si:dkey-85n7.7 [Source:ZFIN;Acc:ZDB-GENE-110408-52]	si:dkey-85n7.7
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSDARG00000043536	ENSDARP00000063916	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSDARG000000943735	ENSDARP00000124470	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSDARG00000095137	ENSDARP00000116841	si:dkey-88l16.2 [Source:ZFIN;Acc:ZDB-GENE-091113-59]	si:dkey-88l16.2
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88l16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88l16.5
ENSDARG00000094220	ENSDARP00000064220	si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85]	si:dkey-88n24.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093612	ENSDARP00000114776	si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759]	si:dkey-92i17.2
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000092816	ENSDARP00000119053	si:dkey-93n13.2 [Source:ZFIN;Acc:ZDB-GENE-091204-177]	si:dkey-93n13.2
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-112114-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000091628	ENSDARP00000112107	si:dkey-97a13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-619]	si:dkey-97a13.9
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSDARG00000093997	ENSDARP00000117097	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61]	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515]	si:dkey-9p20.18
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSDARG00000096904	ENSDARP00000129842	si:dkeyp-100a5.4 [Source:ZFIN;Acc:ZDB-GENE-131122-37]	si:dkeyp-100a5.4
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140]	si:dkeyp-100h4.8
ENSDARG00000089794	ENSDARP00000108567	si:dkeyp-101e12.1 [Source:ZFIN;Acc:ZDB-GENE-091113-32]	si:dkeyp-101e12.1
ENSDARG00000095419	ENSDARP00000121146	si:dkeyp-104b3.1 [Source:ZFIN;Acc:ZDB-GENE-070912-623]	si:dkeyp-104b3.1
ENSDARG00000094699	ENSDARP00000119236	si:dkeyp-104b3.2 [Source:ZFIN;Acc:ZDB-GENE-070912-625]	si:dkeyp-104b3.2
ENSDARG00000094544	ENSDARP00000116920	si:dkeyp-104b3.21 [Source:ZFIN;Acc:ZDB-GENE-070912-626]	si:dkeyp-104b3.21
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527]	si:dkeyp-106c3.2
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39]	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG000000969401	ENSDARP00000091739	si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466]	si:dkeyp-114g9.1
ENSDARG00000095437	ENSDARP00000118987	si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455]	si:dkeyp-117b11.3
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSDARG00000097936	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000077519	ENSDARP00000114312	si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkeyp-13d11.2
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000093811	ENSDARP00000115469	si:dkeyp-2c8.3 [Source:ZFIN;Acc:ZDB-GENE-081031-97]	si:dkeyp-2c8.3
ENSDARG00000094387	ENSDARP00000122446	si:dkeyp-30e7.2 [Source:ZFIN;Acc:ZDB-GENE-081104-498]	si:dkeyp-30e7.2
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096954	ENSDARP00000050406	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000041835	ENSDARP00000061310	si:dkeyp-59a8.2 [Source:ZFIN;Acc:ZDB-GENE-041014-167]	si:dkeyp-59a8.2
ENSDARG00000041917	ENSDARP00000128783	si:dkeyp-59a8.3 [Source:ZFIN;Acc:ZDB-GENE-041014-163]	si:dkeyp-59a8.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000095024	ENSDARP00000118612	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSDARG00000087165	ENSDARP00000111500	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7

ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000091838	ENSDARP00000108953	si:dkeyp-72e1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-228]	si:dkeyp-72e1.6
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000073704	ENSDARP00000127539	si:dkeyp-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkeyp-72g9.4
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000070490	ENSDARP00000110016	si:dkeyp-75b4.7 [Source:ZFIN;Acc:ZDB-GENE-090312-58]	si:dkeyp-75b4.7
ENSDARG00000015678	ENSDARP0000003429	si:dkeyp-75b4.9 [Source:ZFIN;Acc:ZDB-GENE-090313-396]	si:dkeyp-75b4.9
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4 [Source:ZFIN;Acc:ZDB-GENE-090313-400]	si:dkeyp-77c8.4
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000092505	ENSDARP00000129195	si:dkeyp-80d11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4126]	si:dkeyp-80d11.1
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-238]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-24]	si:dkeyp-82a1.1
ENSDARG00000094192	ENSDARP00000114927	si:dkeyp-82a1.2 [Source:ZFIN;Acc:ZDB-GENE-081104-475]	si:dkeyp-82a1.2
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000088190	ENSDARP00000111177	si:dkeyp-88h4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-105]	si:dkeyp-88h4.2
ENSDARG00000086712	ENSDARP00000112225	si:dkeyp-97b10.3 [Source:ZFIN;Acc:ZDB-GENE-131121-429]	si:dkeyp-97b10.3
ENSDARG00000092720	ENSDARP00000041461	si:dkeyp-9d4.2 [Source:ZFIN;Acc:ZDB-GENE-090312-156]	si:dkeyp-9d4.2
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000086255	ENSDARP00000106536	si:rp71-1c10.10 [Source:ZFIN;Acc:ZDB-GENE-130603-55]	si:rp71-1c10.10
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000096760	ENSDARP00000127246	si:rp71-1c10.8 [Source:ZFIN;Acc:ZDB-GENE-130603-20]	si:rp71-1c10.8
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000093164	ENSDARP00000114206	si:rp71-23d18.8 [Source:ZFIN;Acc:ZDB-GENE-050208-521]	si:rp71-23d18.8
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000097746	ENSDARP00000129247	si:rp71-77l1.1 [Source:ZFIN;Acc:ZDB-GENE-131121-141]	si:rp71-77l1.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000076307	ENSDARP00000097822	si:zfos-2070c2.3 [Source:ZFIN;Acc:ZDB-GENE-091204-413]	si:zfos-2070c2.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000097986	ENSDARP00000129517	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000098939	ENSDARP00000106885	SUMO-interacting motifs containing 1 [Source:HGNC Symbol;Acc:HGNC:24779]	SI-MC1
ENSDARG00000071763	ENSDARP00000109122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000077888	ENSDARP00000075718	SLAIN motif family, member 1b [Source:ZFIN;Acc:ZDB-GENE-080516-6]	slain1b
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000093069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000014836	ENSDARP0000017632	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050211-6]	smchd1
ENSDARG00000090920	ENSDARP00000108962	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29090]	SMCHD1
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG00000005799	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000089921	ENSDARP00000105599	small integral membrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37257]	SMIM4
ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG00000020730	ENSDARP00000022632	sphingomyelin phosphodiesterase 4 [Source:ZFIN;Acc:ZDB-GENE-040426-2672]	smpd4
ENSDARG00000062476	ENSDARP00000084846	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	snapc5
ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snn
ENSDARG00000098711	ENSDARP0000010253	small nuclear ribonucleoprotein polypeptide C [Source:ZFIN;Acc:ZDB-GENE-020419-26]	snrpc
ENSDARG00000096554	ENSDARP00000126902	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]	SPAG5
ENSDARG00000054414	ENSDARP00000071067	spermatogenesis associated 17 [Source:ZFIN;Acc:ZDB-GENE-111214-1]	spata17
ENSDARG00000075898	ENSDARP00000102336	spermatogenesis associated 7 [Source:ZFIN;Acc:ZDB-GENE-050419-61]	spata7
ENSDARG00000093622	ENSDARP00000059307	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050522-456]	spc24

ENSDARG00000091609	ENSDARP00000106946	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:HGNC:16646]	SPINK4
ENSDARG00000095590	ENSDARP00000115588	secreted phosphoprotein 2, 24kDa [Source:HGNC Symbol;Acc:HGNC:11256]	SPP2
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	srgn
ENSDARG00000096207	ENSDARP00000125157	serine racemase [Source:HGNC Symbol;Acc:HGNC:14398]	SRR
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000086641	ENSDARP00000112004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000056339	ENSDARP00000073251	serine/threonine kinase 31 [Source:HGNC Symbol;Acc:HGNC:11407]	STK31
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000059171	ENSDARP00000076652	sperm-tail PG-rich repeat containing 1 [Source:ZFIN;Acc:ZDB-GENE-070705-373]	stpg1
ENSDARG00000061060	ENSDARP00000081101	sperm-tail PG-rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:28712]	STPG2
ENSDARG00000089291	ENSDARP00000109030	stimulated by retinoic acid 13 homolog [mouse] [Source:ZFIN;Acc:ZDB-GENE-110411-78]	stra13
ENSDARG00000029377	ENSDARP00000048482	succinyl-CoA:glutarate-CoA transferase [Source:HGNC Symbol;Acc:HGNC:16001]	SUGCT
ENSDARG00000088277	ENSDARP00000109477	sushi domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-120215-196]	susd5
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000078492	ENSDARP00000100791	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000093423	ENSDARP00000120384	SWIM-type zinc finger 7 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-071116-2]	swsap1
ENSDARG00000058375	ENSDARP00000075687	synaptonemal complex central element protein 2 [Source:ZFIN;Acc:ZDB-GENE-050512-1]	syce2
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000090469	ENSDARP00000099011	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN
ENSDARG00000088950	ENSDARP00000114083	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG00000079190	ENSDARP00000099728	synaptonemal complex protein 2-like [Source:ZFIN;Acc:ZDB-GENE-130924-1]	sycp2l
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngn2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000096234	ENSDARP00000126245	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSDARG00000096310	ENSDARP00000125622	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa [Source:HGNC Symbol;Acc:HGNC:11534]	TAF1C
ENSDARG00000067831	ENSDARP00000088485	thymus, brain and testes associated [Source:ZFIN;Acc:ZDB-GENE-121030-4]	tbata
ENSDARG00000068088	ENSDARP00000089045	transcobalamin like [Source:ZFIN;Acc:ZDB-GENE-060531-123]	tcnl
ENSDARG00000044194	ENSDARP00000064887	T-cell leukemia translocation altered gene [Source:ZFIN;Acc:ZDB-GENE-040718-325]	tcta
ENSDARG00000097346	ENSDARP00000128007	TEN1 CST complex subunit [Source:HGNC Symbol;Acc:HGNC:37242]	TEN1
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000089689	ENSDARP00000107795	testis expressed 26 [Source:ZFIN;Acc:ZDB-GENE-120410-5]	tex26
ENSDARG00000030636	ENSDARP00000119504	testis expressed 30 [Source:ZFIN;Acc:ZDB-GENE-041210-219]	tex30
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000089572	ENSDARP00000110926	TCF3 fusion partner homolog (tfpt), mRNA [Source:RefSeq mRNA;Acc:NM_001160707]	TFPT
ENSDARG00000039583	ENSDARP00000057831	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000035018	ENSDARP00000045409	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSDARG00000053466	ENSDARP00000069984	translocase of inner mitochondrial membrane domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-369]	timmdc1
ENSDARG00000036136	ENSDARP00000052473	timeless interacting protein [Source:ZFIN;Acc:ZDB-GENE-040801-189]	tipin
ENSDARG00000088398	ENSDARP00000128982	transmembrane protein 107 like [Source:ZFIN;Acc:ZDB-GENE-090313-269]	tmem107l
ENSDARG00000090230	ENSDARP00000110325	transmembrane protein 108 [Source:ZFIN;Acc:ZDB-GENE-091204-397]	tmem108
ENSDARG00000077155	ENSDARP00000100247	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25084]	TMEM116
ENSDARG00000095259	ENSDARP00000120390	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000075346	ENSDARP00000101988	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSDARG00000077222	ENSDARP00000099025	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSDARG00000067681	ENSDARP00000088257	transmembrane protein 141 [Source:ZFIN;Acc:ZDB-GENE-060929-272]	tmem141
ENSDARG00000037409	ENSDARP00000054439	transmembrane protein 144a [Source:ZFIN;Acc:ZDB-GENE-040822-12]	tmem144a
ENSDARG00000036247	ENSDARP00000052647	transmembrane protein 144b [Source:ZFIN;Acc:ZDB-GENE-041010-58]	tmem144b
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000091058	ENSDARP00000105858	transmembrane protein 173 [Source:ZFIN;Acc:ZDB-GENE-120921-1]	tmem173
ENSDARG00000035388	ENSDARP00000051296	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSDARG00000078659	ENSDARP00000088271	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSDARG00000086230	ENSDARP00000113222	transmembrane protein 176l.1 [Source:ZFIN;Acc:ZDB-GENE-080829-11]	tmem176l.1
ENSDARG00000089399	ENSDARP00000111818	transmembrane protein 176l.2 [Source:ZFIN;Acc:ZDB-GENE-080829-12]	tmem176l.2
ENSDARG00000094439	ENSDARP00000114190	transmembrane protein 176l.3a [Source:ZFIN;Acc:ZDB-GENE-080829-13]	tmem176l.3a
ENSDARG00000096874	ENSDARP00000129057	transmembrane protein 176l.3b [Source:ZFIN;Acc:ZDB-GENE-080829-14]	tmem176l.3b
ENSDARG00000074390	ENSDARP00000102459	transmembrane protein 176l.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3532]	tmem176l.4
ENSDARG00000074264	ENSDARP00000103823	transmembrane protein 186 [Source:HGNC Symbol;Acc:HGNC:24530]	TMEM186
ENSDARG00000051989	ENSDARP00000068202	transmembrane protein 187 [Source:ZFIN;Acc:ZDB-GENE-090313-366]	tmem187
ENSDARG00000027129	ENSDARP00000028280	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218
ENSDARG00000086661	ENSDARP00000104781	transmembrane protein 221 [Source:HGNC Symbol;Acc:HGNC:21943]	TMEM221
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000078333	ENSDARP00000098949	transmembrane protein 234 [Source:ZFIN;Acc:ZDB-GENE-090313-326]	tmem234
ENSDARG00000093684	ENSDARP00000118611	transmembrane protein 238 [Source:ZFIN;Acc:ZDB-GENE-060503-785]	tmem238
ENSDARG00000087916	ENSDARP00000050180	transmembrane protein 240 [Source:ZFIN;Acc:ZDB-GENE-090313-306]	tmem240
ENSDARG00000090145	ENSDARP00000110290	transmembrane protein 240 [Source:HGNC Symbol;Acc:HGNC:25186]	TMEM240
ENSDARG00000090685	ENSDARP00000129286	transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:31723]	TMEM241
ENSDARG00000037070	ENSDARP00000053879	transmembrane protein 242 [Source:ZFIN;Acc:ZDB-GENE-040724-146]	tmem242
ENSDARG00000043847	ENSDARP00000064374	transmembrane protein 244 [Source:ZFIN;Acc:ZDB-GENE-040724-54]	tmem244

ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000079784	ENSDARP00000104255	transmembrane protein 71 [Source:HGNC Symbol;Acc:HGNC:26572]	TMEM71
ENSDARG00000069332	ENSDARP00000103164	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSDARG00000042536	ENSDARP00000062374	transmembrane protein 81 [Source:HGNC Symbol;Acc:HGNC:32349]	TMEM81
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	tmppe
ENSDARG00000054911	ENSDARP00000071665	thymosin, beta [Source:ZFIN;Acc:ZDB-GENE-050307-5]	tmsb
ENSDARG00000077777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tmsb4x
ENSDARG00000095193	ENSDARP00000118173	tumor necrosis factor receptor superfamily, member 14 [Source:HGNC Symbol;Acc:HGNC:11912]	TNFRSF14
ENSDARG00000091556	ENSDARP00000108128	tumor necrosis factor (ligand) superfamily, member 13 [Source:ZFIN;Acc:ZDB-GENE-120508-6]	tnfsf13
ENSDARG00000012945	ENSDARP00000002102	tumor necrosis factor (ligand) superfamily, member 13b [Source:ZFIN;Acc:ZDB-GENE-080204-44]	tnfsf13b
		tumor necrosis factor ligand superfamily member 6-like (LOC798119), mRNA [Source:RefSeq	
ENSDARG00000076274	ENSDARP00000098747	mRNA;Acc:NM_001281995]	TNFSF14
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomm5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000088178	ENSDARP00000111197	tumor protein p53 inducible nuclear protein 2 [Source:ZFIN;Acc:ZDB-GENE-120420-1]	tp53inp2
ENSDARG00000011926	ENSDARP00000030536	tubulin polyglutamylase complex subunit 2 [Source:ZFIN;Acc:ZDB-GENE-040704-49]	tpgs2
ENSDARG00000014941	ENSDARP00000056131	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkrb
ENSDARG00000089701	ENSDARP00000108636	TraB domain containing 2A [Source:HGNC Symbol;Acc:HGNC:27013]	TRAB2A
ENSDARG00000034518	ENSDARP00000048632	tRNA aspartic acid methyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-041008-138]	trdm1
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000076296	ENSDARP00000101057	triple QxxK/R motif containing [Source:ZFIN;Acc:ZDB-GENE-070705-75]	trirq
ENSDARG00000097465	ENSDARP00000128834	tRNA methyltransferase 61 homolog B (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26070]	TRMT61B
ENSDARG00000037628	ENSDARP00000054802	tRNA phosphotransferase 1 [Source:ZFIN;Acc:ZDB-GENE-050227-16]	trpt1
ENSDARG00000069280	ENSDARP00000091469	tRNA splicing endonuclease 15 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041008-211]	tsen15
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000036144	ENSDARP00000069747	tumor suppressing subtransferable candidate 4 [Source:HGNC Symbol;Acc:HGNC:12386]	TSSC4
ENSDARG00000007918	ENSDARP00000126427	tetratricopeptide repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-030102-1]	ttc27
ENSDARG00000073773	ENSDARP00000100891	TELO2 interacting protein 2 [Source:ZFIN;Acc:ZDB-GENE-110411-25]	tti2
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000089054	ENSDARP00000112018	ubiquitin-conjugating enzyme E2O [Source:ZFIN;Acc:ZDB-GENE-110401-2]	ube2o
ENSDARG00000052535	ENSDARP00000068895	UBX domain protein 10 [Source:ZFIN;Acc:ZDB-GENE-060825-319]	ubxn10
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000089679	ENSDARP00000108066	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	UIMC1
ENSDARG00000042527	ENSDARP00000062358	uracil-DNA glycosylase a [Source:ZFIN;Acc:ZDB-GENE-040426-900]	unga
ENSDARG00000094922	ENSDARP00000115571	uracil-DNA glycosylase b [Source:ZFIN;Acc:ZDB-GENE-070705-360]	ungb
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000092872	ENSDARP00000113175	uroplakin 3b [Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000068176	ENSDARP00000089192	ubiquinol-cytochrome c reductase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-060929-1034]	uqc1
ENSDARG00000011272	ENSDARP00000005533	ubiquinol-cytochrome c reductase complex assembly factor 2 [Source:HGNC Symbol;Acc:HGNC:21237]	UQC2
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000007250	ENSDARP00000024706	unconventional SNARE in the ER 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-1015]	use1
ENSDARG00000096003	ENSDARP00000125277	up-regulated during skeletal muscle growth 5 homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:30889]	USMG5
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSDARG00000070097	ENSDARP00000079033	VCP-interacting membrane protein [Source:ZFIN;Acc:ZDB-GENE-060804-1]	vimp
ENSDARG00000006916	ENSDARP00000016383	vimentin-type intermediate filament associated coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:33803]	VMAC
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A [Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000023152	ENSDARP00000032408	WD repeat domain 73 [Source:ZFIN;Acc:ZDB-GENE-050417-126]	wdr73
ENSDARG00000087191	ENSDARP00000109913	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000092352	ENSDARP00000115981	wu:fa92h10 [Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000088449	ENSDARP00000111969	wu:fb55g09 [Source:ZFIN;Acc:ZDB-GENE-030131-1009]	wu:fb55g09
ENSDARG00000092222	ENSDARP00000120343	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000096411	ENSDARP00000125975	wu:fc32g12 [Source:ZFIN;Acc:ZDB-GENE-030131-3280]	wu:fc32g12
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000089342	ENSDARP00000106882	wu:fc75a09 [Source:ZFIN;Acc:ZDB-GENE-030131-4139]	wu:fc75a09
ENSDARG00000054363	ENSDARP00000071026	wu:fd14a06 [Source:ZFIN;Acc:ZDB-GENE-030131-5337]	wu:fd14a06
ENSDARG00000054921	ENSDARP00000071675	wu:fd58b11 [Source:ZFIN;Acc:ZDB-GENE-030131-4747]	wu:fd58b11
ENSDARG00000075205	ENSDARP00000128678	wu:fi04h01 [Source:ZFIN;Acc:ZDB-GENE-030131-5580]	wu:fi04h01
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089353	ENSDARP00000108702	wu:fj30f06 [Source:ZFIN;Acc:ZDB-GENE-030131-7567]	wu:fj30f06
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000079755	ENSDARP00000099421	wu:fy63c09 [Source:ZFIN;Acc:ZDB-GENE-050302-146]	wu:fy63c09
ENSDARG00000069723	ENSDARP00000092460	zinc finger, B-box domain containing [Source:ZFIN;Acc:ZDB-GENE-061207-76]	zbbx
ENSDARG00000012738	ENSDARP00000117645	zinc finger, CCHC domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-060503-319]	zcbx14
ENSDARG00000067950	ENSDARP00000088712	zinc finger, CCHC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:22916]	ZCCHC2
ENSDARG00000078237	ENSDARP00000100073	zinc finger, CCHC domain containing 3 [Source:HGNC Symbol;Acc:HGNC:16230]	ZCCHC3
ENSDARG00000035700	ENSDARP00000051776	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSDARG00000065888	ENSDARP00000035524	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983

ENSDARG00000070899	ENSDARP00000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000075258	ENSDARP00000098923	zgc:112970 [Source:ZFIN;Acc:ZDB-GENE-050327-83]	zgc:112970
ENSDARG00000037739	ENSDARP00000054980	zgc:112980 [Source:ZFIN;Acc:ZDB-GENE-050306-1]	zgc:112980
ENSDARG00000001829	ENSDARP00000101451	zgc:112982 [Source:ZFIN;Acc:ZDB-GENE-050306-55]	zgc:112982
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000039364	ENSDARP00000057526	zgc:113019 [Source:ZFIN;Acc:ZDB-GENE-050417-449]	zgc:113019
ENSDARG00000016056	ENSDARP00000123111	zgc:113060 [Source:ZFIN;Acc:ZDB-GENE-050417-464]	zgc:113060
ENSDARG00000059396	ENSDARP00000076942	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG0000002872	ENSDARP00000123234	zgc:113210 [Source:ZFIN;Acc:ZDB-GENE-050320-83]	zgc:113210
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000056650	ENSDARP00000073631	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSDARG00000038271	ENSDARP00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000039099	ENSDARP00000057100	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG00000051793	ENSDARP00000067963	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000068465	ENSDARP00000129497	zgc:136254 [Source:ZFIN;Acc:ZDB-GENE-060421-3062]	zgc:136254
ENSDARG00000030440	ENSDARP00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000045980	ENSDARP00000067593	zgc:153129 [Source:ZFIN;Acc:ZDB-GENE-061013-189]	zgc:153129
ENSDARG00000054054	ENSDARP00000070659	zgc:153219 [Source:ZFIN;Acc:ZDB-GENE-060929-144]	zgc:153219
ENSDARG00000060322	ENSDARP00000079311	zgc:153654 [Source:ZFIN;Acc:ZDB-GENE-060929-1102]	zgc:153654
ENSDARG00000039801	ENSDARP00000096447	zgc:153659 [Source:ZFIN;Acc:ZDB-GENE-060825-311]	zgc:153659
ENSDARG00000020738	ENSDARP00000019585	zgc:153921 [Source:ZFIN;Acc:ZDB-GENE-060929-816]	zgc:153921
ENSDARG00000070042	ENSDARP00000093252	zgc:158257 [Source:ZFIN;Acc:ZDB-GENE-061215-142]	zgc:158257
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000059679	ENSDARP00000077628	zgc:158343 [Source:ZFIN;Acc:ZDB-GENE-061201-9]	zgc:158343
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000071808	ENSDARP00000097252	zgc:158852 [Source:ZFIN;Acc:ZDB-GENE-070112-972]	zgc:158852
ENSDARG00000089286	ENSDARP00000111062	zgc:162193 [Source:ZFIN;Acc:ZDB-GENE-030131-2035]	zgc:162193
ENSDARG00000070604	ENSDARP00000094633	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSDARG00000069375	ENSDARP00000119281	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSDARG00000070416	ENSDARP00000109902	zgc:162816 [Source:ZFIN;Acc:ZDB-GENE-070410-94]	zgc:162816
ENSDARG00000071701	ENSDARP00000096987	zgc:162941 [Source:ZFIN;Acc:ZDB-GENE-030131-8517]	zgc:162941
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000077741	ENSDARP00000099712	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F299]	ZGC:165551
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000078551	ENSDARP00000094055	zgc:171242 [Source:ZFIN;Acc:ZDB-GENE-071004-79]	zgc:171242
ENSDARG00000077248	ENSDARP00000103275	zgc:171459 [Source:ZFIN;Acc:ZDB-GENE-030131-2059]	zgc:171459
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000090578	ENSDARP00000106207	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000077493	ENSDARP00000096892	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000076721	ENSDARP00000075861	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
ENSDARG00000090490	ENSDARP00000105336	zgc:171695 [Source:ZFIN;Acc:ZDB-GENE-071004-23]	zgc:171695
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000086569	ENSDARP00000114862	zgc:172051 [Source:ZFIN;Acc:ZDB-GENE-080219-23]	zgc:172051
ENSDARG00000078093	ENSDARP00000070340	zgc:172065 [Source:ZFIN;Acc:ZDB-GENE-080214-2]	zgc:172065
ENSDARG00000076146	ENSDARP00000064273	zgc:172075 [Source:ZFIN;Acc:ZDB-GENE-080215-3]	zgc:172075
ENSDARG00000076530	ENSDARP00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000075248	ENSDARP00000076126	zgc:172133 [Source:ZFIN;Acc:ZDB-GENE-080204-48]	zgc:172133
ENSDARG00000039100	ENSDARP00000092867	zgc:172244 [Source:ZFIN;Acc:ZDB-GENE-080219-24]	zgc:172244
ENSDARG00000074191	ENSDARP00000121967	zgc:172253 [Source:ZFIN;Acc:ZDB-GENE-080215-9]	zgc:172253
ENSDARG00000076958	ENSDARP00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260
ENSDARG00000074983	ENSDARP00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000034403	ENSDARP00000059013	zgc:173443 [Source:ZFIN;Acc:ZDB-GENE-071004-101]	zgc:173443
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000094800	ENSDARP00000113408	zgc:173545 [Source:ZFIN;Acc:ZDB-GENE-080215-6]	zgc:173545
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320

ENSDARG00000077110	ENSDARP00000100120	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSDARG00000087318	ENSDARP00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000074395	ENSDARP00000092570	zgc:174719 [Source:ZFIN;Acc:ZDB-GENE-080213-13]	zgc:174719
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077303	ENSDARP00000100715	zgc:174863 [Source:ZFIN;Acc:ZDB-GENE-080204-87]	zgc:174863
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000075314	ENSDARP00000097990	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079255	ENSDARP00000124910	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSDARG00000078334	ENSDARP00000098631	zgc:174938 [Source:ZFIN;Acc:ZDB-GENE-070928-44]	zgc:174938
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000087933	ENSDARP00000105700	zgc:174972 [Source:ZFIN;Acc:ZDB-GENE-080219-6]	zgc:174972
ENSDARG00000041727	ENSDARP00000070231	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000070378	ENSDARP00000093979	chemokine CCL-C25y-like (LOC100000034), mRNA [Source:RefSeq mRNA;Acc:NM_001128808]	ZGC:193706
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000079532	ENSDARP00000101608	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSDARG00000074014	ENSDARP00000102176	zgc:194275 [Source:ZFIN;Acc:ZDB-GENE-081022-92]	zgc:194275
ENSDARG00000078423	ENSDARP00000102754	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSDARG00000074809	ENSDARP00000104364	zgc:194392 [Source:ZFIN;Acc:ZDB-GENE-030131-4774]	zgc:194392
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000078550	ENSDARP00000115843	zgc:194839 [Source:ZFIN;Acc:ZDB-GENE-081022-153]	zgc:194839
ENSDARG00000079697	ENSDARP00000097913	zgc:194908 [Source:ZFIN;Acc:ZDB-GENE-081022-164]	zgc:194908
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000074194	ENSDARP00000128856	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSDARG00000070852	ENSDARP00000095147	zgc:195077 [Source:ZFIN;Acc:ZDB-GENE-080724-9]	zgc:195077
ENSDARG00000077138	ENSDARP00000101660	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000093754	ENSDARP00000116901	zgc:195195 [Source:ZFIN;Acc:ZDB-GENE-081022-193]	zgc:195195
ENSDARG00000045352	ENSDARP00000032643	zgc:56530 [Source:ZFIN;Acc:ZDB-GENE-040426-1065]	zgc:56530
ENSDARG00000030357	ENSDARP00000112576	zgc:66313 [Source:ZFIN;Acc:ZDB-GENE-040426-1606]	zgc:66313
ENSDARG00000052375	ENSDARP00000117811	zgc:66455 [Source:ZFIN;Acc:ZDB-GENE-040426-1642]	zgc:66455
ENSDARG00000075916	ENSDARP00000119811	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSDARG00000087289	ENSDARP00000099114	zgc:66473 [Source:ZFIN;Acc:ZDB-GENE-030131-5708]	zgc:66473
ENSDARG00000056381	ENSDARP00000073333	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000094443	ENSDARP0000014921	zgc:92137 [Source:ZFIN;Acc:ZDB-GENE-040801-179]	zgc:92137
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zfp1
ENSDARG00000015538	ENSDARP00000044858	zinc finger protein 207, a [Source:ZFIN;Acc:ZDB-GENE-040426-2273]	zfp207a
ENSDARG00000015572	ENSDARP00000068230	zinc finger protein 207, b [Source:ZFIN;Acc:ZDB-GENE-030131-7377]	zfp207b
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000078164	ENSDARP00000096287	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	ZNF576
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000095817	ENSDARP00000124832	zinc finger, HIT-type containing 6 [Source:HGNC Symbol;Acc:HGNC:26089]	ZNHIT6
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000017055	ENSDARP00000021244	zinc finger, MYND-type containing 12 [Source:ZFIN;Acc:ZDB-GENE-041114-133]	zymnd12
ENSDARG00000044694	ENSDARP00000065673	novel gene	ENSDARG00000044694
ENSDARG00000069009	ENSDARP00000090818	novel gene	ENSDARG00000069009
ENSDARG00000076287	ENSDARP00000100723	novel gene	ENSDARG00000076287
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000091772	ENSDARP00000106251	novel gene	ENSDARG00000091772
ENSDARG00000088781	ENSDARP00000106934	novel gene	ENSDARG00000088781
ENSDARG00000087114	ENSDARP00000106961	novel gene	ENSDARG00000087114
ENSDARG00000090599	ENSDARP00000107267	novel gene	ENSDARG00000090599
ENSDARG00000088816	ENSDARP00000107884	novel gene	ENSDARG00000088816
ENSDARG00000087676	ENSDARP00000109198	novel gene	ENSDARG00000087676
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000088556	ENSDARP00000126845	novel gene	ENSDARG00000088556
ENSDARG00000096755	ENSDARP00000127164	novel gene	ENSDARG00000096755

ENSDARG00000096897 ENSDARP00000127765 novel gene
ENSDARG00000078130 ENSDARP00000129489 novel gene

ENSDARG00000096897
ENSDARG00000078130

Supplemental table 6. Zebrafish specific genes compared to fugu

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000037501	ENSDARP00000054604	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [Source:ZFIN;Acc:ZDB-GENE-050913-36]	aasdhppt
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000062549	ENSDARP00000101918	aminocarboxymuconate semialdehyde decarboxylase [Source:ZFIN;Acc:ZDB-GENE-070410-103]	acmsd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000069089	ENSDARP00000091026	agouti related protein homolog [Source:ZFIN;Acc:ZDB-GENE-040817-1]	agrp
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QD2]	AL928685.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBZ3]	AL928685.3
ENSDARG00000087621	ENSDARP00000112423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RC42]	AL928837.1
ENSDARG00000035661	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ92]	AL928887.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2K1]	AL929520.1
ENSDARG00000089500	ENSDARP00000111945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QE7]	AL935128.1
ENSDARG00000086564	ENSDARP00000106471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC43]	AL935184.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000078365	ENSDARP00000059259	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q5]	AL953907.3
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000060472	ENSDARP00000079682	anaphase promoting complex subunit 15 [Source:ZFIN;Acc:ZDB-GENE-060825-43]	anapc15
ENSDARG00000032237	ENSDARP00000040775	anaphase promoting complex subunit 4 [Source:ZFIN;Acc:ZDB-GENE-041212-10]	anapc4
ENSDARG00000056873	ENSDARP00000073905	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000086579	ENSDARP00000126797	apratxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000015866	ENSDARP00000058963	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSDARG00000092170	ENSDARP00000121190	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSDARG00000092155	ENSDARP00000112765	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSDARG00000073718	ENSDARP00000126025	apolipoprotein L, 4 [Source:HGNC Symbol;Acc:HGNC:14867]	APOL4
ENSDARG00000068030	ENSDARP00000088920	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000013058	ENSDARP00000048858	activating signal cointegrator 1 complex subunit 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1223]	ascc2
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSDARG00000033361	ENSDARP00000040189	argininosuccinate lyase [Source:ZFIN;Acc:ZDB-GENE-040426-1152]	asl
ENSDARG00000086640	ENSDARP00000110817	astrotactin 2 [Source:HGNC Symbol;Acc:HGNC:17021]	ASTN2
ENSDARG00000095897	ENSDARP00000124085	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit [Source:ZFIN;Acc:ZDB-GENE-110411-22]	atp5e
ENSDARG00000078113	ENSDARP00000098791	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit e, duplicate a [Source:ZFIN;Acc:ZDB-GENE-070928-12]	atp5ia
ENSDARG00000068940	ENSDARP00000090664	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit e, duplicate b [Source:ZFIN;Acc:ZDB-GENE-051130-1]	atp5ib
ENSDARG00000058567	ENSDARP00000123708	arginine vasopressin [Source:ZFIN;Acc:ZDB-GENE-030407-2]	avp
ENSDARG00000089549	ENSDARP00000111050	brain and acute leukemia, cytoplasmic [Source:HGNC Symbol;Acc:HGNC:14333]	BAALC
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000086611	ENSDARP00000106712	branched chain keto acid dehydrogenase E1, beta polypeptide [Source:HGNC Symbol;Acc:HGNC:987]	BCKDHB
ENSDARG00000093569	ENSDARP00000114526	branched chain keto acid dehydrogenase E1, beta polypeptide, like [Source:ZFIN;Acc:ZDB-GENE-060830-1]	bckdhl
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000090625	ENSDARP00000107570	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:HGNC:13787]	BCL2L12
ENSDARG00000053091	ENSDARP0000011806	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB [Source:HGNC Symbol;Acc:HGNC:13652]	BDP1
ENSDARG00000058414	ENSDARP00000091618	bone gamma-carboxyglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bid
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000059857	ENSDARP00000078125	biliverdin reductase A [Source:ZFIN;Acc:ZDB-GENE-060929-312]	blvr
ENSDARG00000041414	ENSDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000038863	ENSDARP00000056741	brain and reproductive organ-expressed protein [Source:ZFIN;Acc:ZDB-GENE-050417-299]	bre
ENSDARG00000056247	ENSDARP00000072634	BRICHOS domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-050208-85]	bricd5
ENSDARG00000041974	ENSDARP00000061519	BRICK1, S-CAR/WAVE actin-nucleating complex subunit [Source:HGNC Symbol;Acc:HGNC:23057]	BRK1
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB17]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000070767	ENSDARP00000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3E7]	BX004857.1
ENSDARG00000067588	ENSDARP00000098529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDL8]	BX004857.2
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1

ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000088089	ENSDARP00000105281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W8]	BX005073.1
ENSDARG00000086468	ENSDARP00000107283	chemokine CCL-CUe (LOC100000741), mRNA [Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDARG00000091651	ENSDARP00000112367	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD79]	BX005156.1
ENSDARG00000077575	ENSDARP00000103142	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAH1]	BX005223.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000089146	ENSDARP00000110490	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8U7]	BX005223.4
ENSDARG00000089211	ENSDARP00000107426	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3S6]	BX005223.5
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000076358	ENSDARP00000076481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9H8]	BX005329.1
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV45]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG00000078974	ENSDARP00000102657	coiled-coil-helix-coiled-coil-helix domain-containing protein 8-like (LOC796017), mRNA [Source:RefSeq mRNA;Acc:NM_001200036]	BX088524.2
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY53]	BX088712.2
ENSDARG00000088126	ENSDARP00000109745	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDA9]	BX119963.2
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F755]	BX248120.1
ENSDARG00000088777	ENSDARP00000111584	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZP1]	BX248508.1
ENSDARG00000037342	ENSDARP00000054331	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6L9]	BX255896.1
ENSDARG00000089295	ENSDARP00000105461	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ9]	BX255962.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000091479	ENSDARP00000091762	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F105]	BX296538.3
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8W5Q1]	BX322587.1
ENSDARG00000025871	ENSDARP00000088073	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RB40]	BX322792.1
ENSDARG00000093474	ENSDARP00000121714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3P7]	BX322792.2
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000077309	ENSDARP00000101017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCG6]	BX323861.1
ENSDARG00000052958	ENSDARP00000060764	Natriuretic peptide [Source:UniProtKB/TrEMBL;Acc:F1R8L8]	BX323876.2
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYH7]	BX324163.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB6M]	BX465187.1
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSP7]	BX469930.1
ENSDARG00000091543	ENSDARP00000112186	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FES9]	BX469930.2
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000070406	ENSDARP00000094054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEP6]	BX511021.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK4]	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000087202	ENSDARP00000103959	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6A9]	BX511066.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2D7]	BX530062.1
ENSDARG00000086015	ENSDARP00000104891	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBN3]	BX537109.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY68]	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000092602	ENSDARP00000114151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZ39]	BX546499.2
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000036085	ENSDARP00000032169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZM3]	BX571811.1
ENSDARG00000095082	ENSDARP00000113618	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9H7]	BX571811.2
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000090640	ENSDARP00000103736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6T2]	BX571813.4
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTU8]	BX572078.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM7]	BX649431.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4T9]	BX649524.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000088503	ENSDARP00000107454	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3L5]	BX682234.2
ENSDARG00000059491	ENSDARP00000077192	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK97]	BX682552.1

ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1
ENSDARG00000053649	ENSDARP00000070181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QPY2]	BX927082.1
ENSDARG00000073793	ENSDARP00000101624	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9I7]	BX927234.2
ENSDARG00000089800	ENSDARP00000104769	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXZ8]	BX927237.2
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000090615	ENSDARP00000107557	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2M5]	BX957297.2
ENSDARG0000001057	ENSDARP00000001346	bystin-like [Source:ZFIN;Acc:ZDB-GENE-040426-1287]	bsyl
ENSDARG00000076858	ENSDARP00000101428	chromosome 8 open reading frame 4 [Source:HGNC Symbol;Acc:HGNC:1357]	C10H8orf4
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H20orf96
ENSDARG00000089024	ENSDARP00000112494	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Acc:HGNC:26563]	C12H10orf90
ENSDARG00000057166	ENSDARP00000114080	chromosome 10 open reading frame 11 [Source:HGNC Symbol;Acc:HGNC:23405]	C13H10orf11
ENSDARG00000055070	ENSDARP00000071850	C10orf32-ASMT readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:49183]	C13H10orf32
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000073962	ENSDARP00000102439	chromosome 15 open reading frame 57 [Source:HGNC Symbol;Acc:HGNC:28295]	C17H15orf57
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000091513	ENSDARP00000105219	chromosome 3 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33731]	C1H3orf70
ENSDARG00000039491	ENSDARP00000057697	chromosome 20 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:15872]	C20H20orf26
ENSDARG00000090722	ENSDARP00000064418	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C20H6orf58
ENSDARG00000078301	ENSDARP00000096095	chromosome 6 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:21114]	C22H6orf89
ENSDARG00000098029	ENSDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSDARG00000097630	ENSDARP00000128389	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:32235]	C24H8orf59
ENSDARG00000096229	ENSDARP00000126050	chromosome 17 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:28460]	C3H17orf53
ENSDARG00000077926	ENSDARP00000098368	chromosome 12 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:28628]	C4H12orf45
ENSDARG00000073963	ENSDARP00000097696	chromosome 12 open reading frame 56 [Source:HGNC Symbol;Acc:HGNC:26967]	C4H12orf56
ENSDARG00000075714	ENSDARP00000122168	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C5H11orf88
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000088753	ENSDARP00000115560	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C5H4orf22
ENSDARG00000079497	ENSDARP00000098558	chromosome 8 open reading frame 4 [Source:HGNC Symbol;Acc:HGNC:1357]	C5H8orf4
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000089625	ENSDARP00000105071	chromosome 17 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:27900]	C6H17orf67
ENSDARG00000039477	ENSDARP00000057676	chromosome 15 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28520]	C7H15orf43
ENSDARG0000002506	ENSDARP0000015462	chromosome 16 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33754]	C7H16orf87
ENSDARG00000061664	ENSDARP00000082632	chromosome 3 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33731]	C9H3orf70
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY7]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000088613	ENSDARP00000111442	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ97]	CABZ01006178.1
ENSDARG00000088655	ENSDARP00000110021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDK0]	CABZ01007794.1
ENSDARG00000077668	ENSDARP00000104038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F311]	CABZ01010103.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000091406	ENSDARP00000111486	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0B4]	CABZ01013481.2
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000090401	ENSDARP00000111760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY98]	CABZ01020840.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000088782	ENSDARP00000109707	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDC3]	CABZ01025980.1
ENSDARG00000089663	ENSDARP00000104495	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZE6]	CABZ01028296.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000086931	ENSDARP00000109062	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIC8]	CABZ01029822.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXC0]	CABZ01029900.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYM4]	CABZ01029902.2
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F715]	CABZ01030107.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000039596	ENSDARP00000057857	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8S8]	CABZ01031613.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCF7]	CABZ01031933.1
ENSDARG00000076088	ENSDARP00000098420	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QF83]	CABZ01032351.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC56]	CABZ01032352.1
ENSDARG00000090985	ENSDARP00000108221	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8K5]	CABZ01034531.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRJ9]	CABZ01034702.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1
ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CABZ01038802.1
ENSDARG00000073678	ENSDARP00000102836	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK16]	CABZ01039301.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040055.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA [Source:RefSeq mRNA;Acc:NM_001172308]	CABZ01040054.1
ENSDARG00000029232	ENSDARP00000095472	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB21]	CABZ01041769.1

ENSDARG00000091268	ENSDARP00000110079	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG9]	CABZ01041769.3
ENSDARG00000078462	ENSDARP00000092273	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR1]	CABZ01043311.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1		CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1		CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000089690	ENSDARP00000107711	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Z6]	CABZ01044980.1
ENSDARG00000089661	ENSDARP00000107762	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0X5]	CABZ01045230.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8V8]	CABZ01046425.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2R9]	CABZ01046432.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1		CABZ01052573.1
ENSDARG00000087460	ENSDARP00000104819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXL0]	CABZ01052953.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRS1]	CABZ01053196.1
ENSDARG00000090923	ENSDARP00000106342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV39]	CABZ01053617.1
ENSDARG00000079722	ENSDARP00000100419	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGS4]	CABZ01053757.1
ENSDARG00000086974	ENSDARP00000112255	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZE2]	CABZ01055017.1
ENSDARG00000088172	ENSDARP00000110603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVC1]	CABZ01056518.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CABZ01058371.1
ENSDARG00000091236	ENSDARP00000104528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R1M3]	CABZ01058646.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CABZ01058871.1
ENSDARG00000088906	ENSDARP00000109444	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYQ3]	CABZ01059404.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000095531	ENSDARP00000120068	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QDP6]	CABZ01059421.6
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSS5]	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.0
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYF6]	CABZ01063534.1
ENSDARG00000091068	ENSDARP00000104444	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH9]	CABZ01063789.1
ENSDARG00000089402	ENSDARP00000105234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Y9]	CABZ01063841.1
ENSDARG00000063315	ENSDARP00000111345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CABZ01064968.1
ENSDARG00000089818	ENSDARP00000110175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CABZ01064968.2
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXS8]	CABZ01064972.2
ENSDARG00000091311	ENSDARP00000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZA6]	CABZ01064973.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP00000109290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000091527	ENSDARP00000105345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFA7]	CABZ01068153.1
ENSDARG00000091378	ENSDARP00000107688	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1F1]	CABZ01068471.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000067814	ENSDARP00000088453	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H9]	CABZ01069745.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDF5]	CABZ01071911.1
ENSDARG00000087627	ENSDARP00000106198	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE48]	CABZ01072159.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXIO]	CABZ01072487.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000091208	ENSDARP00000030333	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F727]	CABZ01072585.1
ENSDARG00000088201	ENSDARP00000110014	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDK8]	CABZ01072699.2
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000088043	ENSDARP00000072504	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1K1]	CABZ01073424.1
ENSDARG00000010729	ENSDARP00000022947	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R223]	CABZ01073795.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000086759	ENSDARP00000109372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ51]	CABZ01074268.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWM4]	CABZ01074659.1
ENSDARG00000071028	ENSDARP00000095531	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLG3]	CABZ01074669.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEI6]	CABZ01074712.1

ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000090396	ENSDARP00000107917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F481]	CABZ01074946.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GQX1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG0000009361	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F044]	CABZ01077220.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBB6]	CABZ01077223.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGP0]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH0]	CABZ01078520.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F933]	CABZ01079386.1
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLL4]	CABZ01079490.1
ENSDARG00000090860	ENSDARP00000106715	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F933]	CABZ01079541.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GVJ8]	CABZ01079804.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GVY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000058711	ENSDARP00000058417	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4X5]	CABZ01081656.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GV57]	CABZ01081747.1
ENSDARG00000078588	ENSDARP00000101869	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9Y5]	CABZ01081821.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GVJ3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE55]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000059047	ENSDARP00000096958	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4R0]	CABZ01085069.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EKK4]	CABZ01085394.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000088054	ENSDARP00000110431	CABZ01086926.1		CABZ01086926.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1		CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01116004.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000079534	ENSDARP00000103731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F720]	CABZ01112215.1
ENSDARG00000092026	ENSDARP00000121632	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFA1]	CABZ01112215.2
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1		CABZ01115256.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000086736	ENSDARP00000108916	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYT9]	CABZ01118266.1
ENSDARG00000089739	ENSDARP00000106968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCH3]	CABZ01118317.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000070239	ENSDARP00000093703	cancer susceptibility candidate 5	[Source:ZFIN;Acc:ZDB-GENE-030131-5437]	cas5
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105	[Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000023003	ENSDARP00000028398	coiled-coil domain containing 12	[Source:ZFIN;Acc:ZDB-GENE-040801-108]	cdc12
ENSDARG00000090554	ENSDARP00000111939	coiled-coil domain containing 138	[Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSDARG00000086898	ENSDARP00000108444	Coiled-coil domain-containing protein 23 (ccdc23), mRNA	[Source:RefSeq mRNA;Acc:NM_001202432]	CCDC23
ENSDARG00000038793	ENSDARP00000117032	coiled-coil domain containing 24	[Source:ZFIN;Acc:ZDB-GENE-050327-18]	cdc24
ENSDARG00000021753	ENSDARP00000030117	coiled-coil domain containing 25	[Source:ZFIN;Acc:ZDB-GENE-040426-1389]	cdc25
ENSDARG00000051858	ENSDARP00000068063	coiled-coil domain containing 33	[Source:ZFIN;Acc:ZDB-GENE-101011-1]	cdc33
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34	[Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000071314	ENSDARP00000096141	coiled-coil domain containing 57	[Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000077179	ENSDARP00000103987	coiled-coil domain containing 83	[Source:ZFIN;Acc:ZDB-GENE-130723-1]	cdc83
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1	[Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1	[Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000070873	ENSDARP00000095178	chemokine (C-C motif) ligand 25b	[Source:ZFIN;Acc:ZDB-GENE-110222-2]	cc125b
ENSDARG00000074772	ENSDARP00000101027	chemokine CCL-C11b	[Source:ZFIN;Acc:ZDB-GENE-131121-642]	cc1-c11b
ENSDARG00000044962	ENSDARP00000066095	cell cycle progression 1	[Source:ZFIN;Acc:ZDB-GENE-041114-136]	ccpg1
ENSDARG00000070668	ENSDARP00000094752	CD4 molecule	[Source:ZFIN;Acc:ZDB-GENE-100922-280]	cd4
ENSDARG00000088902	ENSDARP00000111279	CD79b molecule, immunoglobulin-associated beta	[Source:ZFIN;Acc:ZDB-GENE-121219-1]	cd79b
ENSDARG00000044797	ENSDARP00000065841	CD8 antigen, alpha polypeptide	[Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSDARG00000087508	ENSDARP00000126284	CD99 molecule-like 2	[Source:HGNC Symbol;Acc:HGNC:18237]	CD99L2
ENSDARG00000068759	ENSDARP00000090340	cell division cycle associated 2	[Source:HGNC Symbol;Acc:HGNC:14623]	CDCA2

ENSDARG00000088639	ENSDARP00000106626	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdca9
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000094892	ENSDARP00000123314	centromere protein H [Source:ZFIN;Acc:ZDB-GENE-081104-340]	cenph
ENSDARG00000044135	ENSDARP00000064804	centromere protein P [Source:ZFIN;Acc:ZDB-GENE-040801-74]	cenpp
ENSDARG00000076500	ENSDARP00000101923	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSDARG00000089781	ENSDARP00000127583	cdkn1a interacting zinc finger protein 1a [Source:ZFIN;Acc:ZDB-GENE-100922-222]	ciz1a
ENSDARG00000087655	ENSDARP00000106337	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSDARG00000073786	ENSDARP00000103658	carboxymethylenebutenolidase-like (Pseudomonas) [Source:ZFIN;Acc:ZDB-GENE-071004-21]	cmb1
ENSDARG00000042996	ENSDARP00000063128	COX assembly mitochondrial protein 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-2626]	cmc1
ENSDARG00000043635	ENSDARP00000064075	COX assembly mitochondrial protein 2 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030616-409]	cmc2
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG00000091006	ENSDARP00000108248	cordons-bleu homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-091020-11]	cobl
ENSDARG00000090155	ENSDARP00000109216	collagen, type XV, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-080918-1]	col15a1a
ENSDARG00000036784	ENSDARP00000053413	COMM domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-040801-96]	commd7
ENSDARG00000092124	ENSDARP00000117013	cytochrome c oxidase assembly homolog 14 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14
ENSDARG00000069920	ENSDARP00000092919	COX17 cytochrome c oxidase assembly homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040912-91]	cox17
ENSDARG00000063882	ENSDARP00000093941	cytochrome c oxidase assembly homolog 19 (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:28074]	COX19
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSDARG00000097209	ENSDARP00000128720	cytochrome c oxidase subunit 8b [Source:ZFIN;Acc:ZDB-GENE-110620-4]	cox8b
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000086451	ENSDARP00000109430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7YR6]	CR318624.1
ENSDARG00000075611	ENSDARP00000103278	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8F8]	CR318629.1
ENSDARG00000089339	ENSDARP00000111915	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW0]	CR318660.3
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QYU3]	CR352226.2
ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG00000069317	ENSDARP00000091540	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFT5]	CR352328.1
ENSDARG00000091480	ENSDARP00000112021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC4]	CR354372.1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000088437	ENSDARP00000111429	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0U8]	CR376779.2
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000087818	ENSDARP00000112224	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGV1]	CR381673.2
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000076607	ENSDARP00000092275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD27]	CR383676.3
ENSDARG00000022620	ENSDARP00000029205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBT3]	CR384075.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCI3]	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000088299	ENSDARP00000105942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3G0]	CR388002.2
ENSDARG00000086083	ENSDARP00000105533	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC1]	CR388047.2
ENSDARG00000086989	ENSDARP00000108431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT30]	CR388145.2
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000076953	ENSDARP00000101155	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV2]	CR388416.1
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000078099	ENSDARP00000102776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDK0]	CR391991.1
ENSDARG00000069895	ENSDARP00000092875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P8]	CR392036.1
ENSDARG00000075388	ENSDARP00000101497	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9M4]	CR392354.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHI2]	CR450701.1
ENSDARG00000079337	ENSDARP00000100718	chemokine CCL-CUJ (LOC100216314), mRNA [Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000088855	ENSDARP00000106513	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QMA0]	CR536621.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCY7]	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ54]	CR548627.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000016033	ENSDARP00000024634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBV8]	CR626941.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000090548	ENSDARP00000111158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F496]	CR753886.1
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9L9]	CR762483.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZH3]	CR792453.2
ENSDARG00000091443	ENSDARP00000110763	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT15]	CR792453.3
ENSDARG00000088512	ENSDARP00000105549	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGG6]	CR847844.5
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000069859	ENSDARP00000012721	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QM19]	CR847950.1
ENSDARG00000076114	ENSDARP00000100573	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD38]	CR847950.2
ENSDARG00000079673	ENSDARP00000088837	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT84]	CR847950.3

ENSDARG00000090975	ENSDARP00000104987	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD90]	CR848032.1
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000092634	ENSDARP00000126872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GEF9]	CR855320.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH9]	CR926879.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000052876	ENSDARP00000069297	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA02]	CR933791.2
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000098990	ENSDARP00000020392	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A5WV53]	CR936442.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000086873	ENSDARP00000093432	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1C6]	CR936977.1
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDF9]	CR974475.1
ENSDARG00000090107	ENSDARP00000105396	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF82]	CR974475.2
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSDARG00000069373	ENSDARP00000107938	calcitonin gene-related peptide-receptor component protein [Source:ZFIN;Acc:ZDB-GENE-060825-150]	crecp
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000074886	ENSDARP00000097759	cysteine-rich with EGF-like domains 1 [Source:HGNC Symbol;Acc:HGNC:14630]	CRELD1
ENSDARG00000052413	ENSDARP00000111744	cytokine receptor family member B12 [Source:ZFIN;Acc:ZDB-GENE-060421-4184]	crfb12
ENSDARG00000074488	ENSDARP00000120706	cytokine receptor family member B13 [Source:ZFIN;Acc:ZDB-GENE-071120-8]	crfb13
ENSDARG00000075181	ENSDARP00000090421	cytokine receptor family member B16 [Source:ZFIN;Acc:ZDB-GENE-071120-9]	crfb16
ENSDARG00000074771	ENSDARP00000102075	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSDARG00000040332	ENSDARP00000120706	cytokine receptor family member b2 [Source:ZFIN;Acc:ZDB-GENE-070905-2]	crfb2
ENSDARG00000067795	ENSDARP00000088418	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSDARG00000068263	ENSDARP00000089407	colony stimulating factor 1b (macrophage) [Source:ZFIN;Acc:ZDB-GENE-061215-106]	csf1b
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000074797	ENSDARP00000100200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXZ0]	CT027690.2
ENSDARG00000075563	ENSDARP00000101174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAQ4]	CT027696.1
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N5]	CT027754.1
ENSDARG00000071733	ENSDARP00000097063	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8Q9]	CT030204.3
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9P5]	CT827808.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD89]	CT963086.1
ENSDARG00000070119	ENSDARP00000093415	CTS telomere maintenance complex component 1 [Source:ZFIN;Acc:ZDB-GENE-061103-271]	ctc1
ENSDARG00000090332	ENSDARP00000110744	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000090991	ENSDARP00000106210	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR7]	CU151895.1
ENSDARG00000087920	ENSDARP00000105411	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEF4]	CU179757.2
ENSDARG00000089157	ENSDARP00000104125	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R5L6]	CU179759.2
ENSDARG00000090278	ENSDARP00000108529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR10]	CU179759.3
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6S6]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXJ6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000054527	ENSDARP00000071204	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLT8]	CU459094.1
ENSDARG00000086889	ENSDARP00000107805	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5E0]	CU464087.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000088141	ENSDARP00000106862	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD11]	CU570684.4
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000095493	ENSDARP00000114676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI08]	CU570881.3
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHL5]	CU570889.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1

ENSDBG00000088920	ENSDBRP00000108038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDBG00000069841	ENSDBRP00000092752	uncharacterized LOC100000433 (LOC10000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDBG00000089744	ENSDBRP00000109611	CU633479.3	CU633479.3
ENSDBG00000068018	ENSDBRP00000088884	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT58]	CU672228.1
ENSDBG00000079517	ENSDBRP00000092720	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAY2]	CU672228.3
ENSDBG00000086168	ENSDBRP00000110888	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCS9]	CU672228.4
ENSDBG00000087631	ENSDBRP00000111482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QG83]	CU672228.5
ENSDBG00000088412	ENSDBRP00000107351	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R593]	CU672228.6
ENSDBG00000053952	ENSDBRP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENSDBG00000087220	ENSDBRP00000108084	CU681842.1	CU681842.1
ENSDBG00000089534	ENSDBRP00000111107	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4C4]	CU693369.1
ENSDBG00000086809	ENSDBRP00000106413	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYG1]	CU693480.1
ENSDBG00000086176	ENSDBRP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDBG00000086059	ENSDBRP00000105482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F555]	CU855780.1
ENSDBG00000089889	ENSDBRP00000105455	rapunzel3 (rpz3), mRNA [Source:RefSeq mRNA;Acc:NM_001146098]	CU861453.1
ENSDBG00000091193	ENSDBRP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDBG00000088542	ENSDBRP00000108246	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWS1]	CU896555.1
ENSDBG00000043033	ENSDBRP00000108777	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUF5]	CU896691.1
ENSDBG00000087901	ENSDBRP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDBG00000089683	ENSDBRP00000108574	CU914164.1	CU914164.1
ENSDBG00000088150	ENSDBRP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDBG00000086031	ENSDBRP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDBG00000088444	ENSDBRP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDBG00000087392	ENSDBRP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDBG00000085753	ENSDBRP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDBG00000088982	ENSDBRP00000110580	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8H0]	CU929163.1
ENSDBG00000089645	ENSDBRP00000109328	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJTS]	CU929307.1
ENSDBG00000074846	ENSDBRP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDBG00000089664	ENSDBRP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDBG00000096578	ENSDBRP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDBG00000095747	ENSDBRP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl64
ENSDBG00000075045	ENSDBRP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSDBG00000075163	ENSDBRP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDBG00000036895	ENSDBRP00000053567	death associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-000511-4]	dap1b
ENSDBG00000078347	ENSDBRP00000098522	dendrocyte expressed seven transmembrane protein [Source:HGNC Symbol;Acc:HGNC:18549]	DCSTAMP
ENSDBG00000041140	ENSDBRP00000091438	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSDBG00000096158	ENSDBRP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDBG00000075161	ENSDBRP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSDBG00000096380	ENSDBRP00000125973	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb2
ENSDBG00000097181	ENSDBRP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]	defb3
ENSDBG00000051889	ENSDBRP00000068087	dihydroorotate dehydrogenase [Source:ZFIN;Acc:ZDB-GENE-030131-3157]	dhodh
ENSDBG00000091993	ENSDBRP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicp1.1
ENSDBG00000075848	ENSDBRP00000102438	diverse immunoglobulin domain-containing protein 3.1 [Source:ZFIN;Acc:ZDB-GENE-120306-18]	dicp3.1
ENSDBG00000087706	ENSDBRP00000127641	diverse immunoglobulin domain-containing protein 3.3 [Source:ZFIN;Acc:ZDB-GENE-120306-20]	dicp3.3
ENSDBG00000021895	ENSDBRP00000035679	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSDBG00000094160	ENSDBRP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	DLU7
ENSDBG00000036915	ENSDBRP00000125056	dolichyl pyrophosphate phosphatase 1 [Source:ZFIN;Acc:ZDB-GENE-041024-11]	dolpp1
ENSDBG00000043360	ENSDBRP00000063643	diphthamide biosynthesis 3 [Source:ZFIN;Acc:ZDB-GENE-050522-545]	dph3
ENSDBG00000086464	ENSDBRP00000106267	dihydropyrimidine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:3012]	DPYD
ENSDBG00000071482	ENSDBRP00000125056	dihydropyrimidine dehydrogenase a [Source:ZFIN;Acc:ZDB-GENE-061013-727]	dpvda
ENSDBG00000089922	ENSDBRP00000104986	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENSDBG00000059774	ENSDBRP00000077884	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSDBG00000086768	ENSDBRP00000108320	dUTP pyrophosphatase [Source:ZFIN;Acc:ZDB-GENE-041010-93]	dut
ENSDBG00000091663	ENSDBRP00000108192	DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23468]	DYDC2
ENSDBG00000087457	ENSDBRP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSDBG00000062289	ENSDBRP00000084349	EDAR-associated death domain [Source:ZFIN;Acc:ZDB-GENE-050114-5]	edaradd
ENSDBG00000092825	ENSDBRP00000129539	EF-hand calcium binding domain 10 [Source:HGNC Symbol;Acc:HGNC:34531]	EFCAB10
ENSDBG00000069994	ENSDBRP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDBG00000069017	ENSDBRP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDBG00000012144	ENSDBRP00000104784	ER membrane protein complex subunit 7 [Source:ZFIN;Acc:ZDB-GENE-041001-170]	emc7
ENSDBG00000078209	ENSDBRP00000100896	ER membrane protein complex subunit 7 [Source:HGNC Symbol;Acc:HGNC:24301]	EMC7
ENSDBG00000056914	ENSDBRP00000073952	EMG1 N1-specific pseudouridine methyltransferase [Source:HGNC Symbol;Acc:HGNC:16912]	EMG1
ENSDBG00000070242	ENSDBRP00000093713	endonuclease domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29129]	ENDOD1
ENSDBG00000031680	ENSDBRP00000041750	excision repair cross-complementing rodent repair deficiency, complementation group 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2606]	ercc1
ENSDBG00000009250	ENSDBRP0000017410	electron-transfer-flavoprotein, beta polypeptide [Source:ZFIN;Acc:ZDB-GENE-040426-1931]	etfb
ENSDBG00000038834	ENSDBRP00000056711	electron-transferring-flavoprotein dehydrogenase [Source:ZFIN;Acc:ZDB-GENE-040912-168]	etfdh
ENSDBG00000042727	ENSDBRP00000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	EXOS
ENSDBG00000059841	ENSDBRP00000078068	exosome component 1 [Source:ZFIN;Acc:ZDB-GENE-080926-3]	exosc1
ENSDBG00000074387	ENSDBRP00000124157	family with sequence similarity 150, member A [Source:HGNC Symbol;Acc:HGNC:33775]	FAM150A
ENSDBG00000091073	ENSDBRP00000111041	family with sequence similarity 150, member Ba [Source:ZFIN;Acc:ZDB-GENE-100922-116]	fam150ba
ENSDBG00000042815	ENSDBRP00000062843	family with sequence similarity 150, member Bb [Source:ZFIN;Acc:ZDB-GENE-111115-2]	fam150bb
ENSDBG00000041631	ENSDBRP00000061015	family with sequence similarity 192, member A [Source:ZFIN;Acc:ZDB-GENE-030131-6692]	fam192a
ENSDBG00000057378	ENSDBRP00000074475	family with sequence similarity 213, member Aa [Source:ZFIN;Acc:ZDB-GENE-030131-2459]	fam213aa
ENSDBG00000087059	ENSDBRP00000112443	family with sequence similarity 213, member Ab [Source:ZFIN;Acc:ZDB-GENE-060929-88]	fam213ab
ENSDBG00000095007	ENSDBRP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDBG00000055232	ENSDBRP00000089800	Fanconi anemia, complementation group C [Source:ZFIN;Acc:ZDB-GENE-060510-2]	fancC
ENSDBG00000024967	ENSDBRP00000038408	Fanconi anemia, complementation group G [Source:ZFIN;Acc:ZDB-GENE-050417-103]	fancG
ENSDBG00000032750	ENSDBRP00000034945	phenylalanyl-tRNA synthetase, alpha subunit [Source:ZFIN;Acc:ZDB-GENE-050512-2]	farsa

ENSDARG00000068850	ENSDARP00000090488	fragile histidine triad gene [Source:ZFIN;Acc:ZDB-GENE-040426-1703]	fhit
ENSDARG00000095579	ENSDARP00000113273	fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:21689]	FIS1
ENSDARG00000059437	ENSDARP00000077038	fukutin [Source:ZFIN;Acc:ZDB-GENE-070410-96]	fktn
ENSDARG00000088133	ENSDARP00000105184	formin 1 [Source:HGNC Symbol;Acc:HGNC:3768]	FMN1
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000090551	ENSDARP00000109478	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM3]	FP102786.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087555	ENSDARP00000106768	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9D9]	FP103059.1
ENSDARG00000086113	ENSDARP00000106682	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA29]	FP236789.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXP4]	FP245465.2
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FZ43]	FP245472.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000039422	ENSDARP00000057598	fucose mutarotase [Source:ZFIN;Acc:ZDB-GENE-030616-618]	fuom
ENSDARG00000095094	ENSDARP00000120484	FXyD domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fyxd6
ENSDARG00000097057	ENSDARP00000127704	FXyD domain containing ion transport regulator 6 like [Source:ZFIN;Acc:ZDB-GENE-071205-8]	fyxd6l
ENSDARG00000069543	ENSDARP00000106951	galactose-1-phosphate uridylyltransferase [Source:ZFIN;Acc:ZDB-GENE-070112-172]	galt
ENSDARG00000040059	ENSDARP00000058586	glycogen synthase kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-990714-7]	gbp
ENSDARG00000079296	ENSDARP00000116629	glucagon a [Source:ZFIN;Acc:ZDB-GENE-010219-1]	gcga
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000071871	ENSDARP00000097435	glyoxalase domain containing 5 [Source:HGNC Symbol;Acc:HGNC:33358]	GLOD5
ENSDARG00000024740	ENSDARP00000036461	guanine nucleotide binding protein (G protein), gamma 13a [Source:ZFIN;Acc:ZDB-GENE-081022-188]	gng13a
ENSDARG00000037921	ENSDARP00000055268	guanine nucleotide binding protein (G protein), gamma 13b [Source:ZFIN;Acc:ZDB-GENE-040718-97]	gng13b
ENSDARG00000056214	ENSDARP00000073133	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000075301	ENSDARP00000104184	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSDARG00000092290	ENSDARP00000118059	germ cell associated 2 (haspin) [Source:HGNC Symbol;Acc:HGNC:19682]	GSG2
ENSDARG00000056510	ENSDARP00000035103	glutathione S-transferase kappa 1 [Source:ZFIN;Acc:ZDB-GENE-040718-298]	gstk1
ENSDARG00000019585	ENSDARP00000114317	glutathione S-transferase kappa 1 [Source:HGNC Symbol;Acc:HGNC:16906]	GSTK1
ENSDARG00000020642	ENSDARP00000016818	glycosyltransferase-like domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-8]	gtdc1
ENSDARG00000069910	ENSDARP00000092894	general transcription factor IIF, polypeptide 2a [Source:ZFIN;Acc:ZDB-GENE-040625-131]	gtf2f2a
ENSDARG00000068116	ENSDARP00000009151	general transcription factor IIF, polypeptide 2b [Source:ZFIN;Acc:ZDB-GENE-050417-374]	gtf2f2b
ENSDARG00000056099	ENSDARP00000072996	general transcription factor IIF, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041001-144]	gtf2f2h5
ENSDARG00000053227	ENSDARP00000069720	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSDARG00000068210	ENSDARP000000089274	HAUS augmin-like complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5517]	haus6
ENSDARG00000092074	ENSDARP00000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcast
ENSDARG00000090715	ENSDARP00000108360	HECT domain containing E3 ubiquitin protein ligase 4 [Source:HGNC Symbol;Acc:HGNC:26611]	HECTD4
ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	helb
ENSDARG00000078894	ENSDARP00000102499	HemK methyltransferase family member 1 [Source:ZFIN;Acc:ZDB-GENE-050208-185]	hemk1
ENSDARG00000017917	ENSDARP00000006074	hairly and enhancer of split related-7 [Source:ZFIN;Acc:ZDB-GENE-000427-6]	her7
ENSDARG00000038408	ENSDARP00000056045	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmg1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2n2
ENSDARG00000036754	ENSDARP00000113097	high mobility group nucleosomal binding domain 3 [Source:ZFIN;Acc:ZDB-GENE-041114-180]	hmg3
ENSDARG00000096510	ENSDARP00000126834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GEC1]	hoxa9a
ENSDARG00000095807	ENSDARP00000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000045947	ENSDARP00000126909	histidine rich calcium binding protein [Source:HGNC Symbol;Acc:HGNC:5178]	HRC
ENSDARG00000034222	ENSDARP00000043665	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	HS1BP3
ENSDARG00000040338	ENSDARP00000059027	hydrogen voltage-gated channel 1 [Source:ZFIN;Acc:ZDB-GENE-040718-36]	hvcn1
ENSDARG00000086881	ENSDARP00000108516	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000087131	ENSDARP00000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSDARG00000025607	ENSDARP00000034643	interferon phi 1 [Source:ZFIN;Acc:ZDB-GENE-030721-3]	ifnphi1
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnphi2
ENSDARG00000070676	ENSDARP00000094768	interferon phi 3 [Source:ZFIN;Acc:ZDB-GENE-071128-2]	ifnphi3
ENSDARG00000090603	ENSDARP00000108147	interferon phi 4 [Source:ZFIN;Acc:ZDB-GENE-080327-1]	ifnphi4
ENSDARG00000091391	ENSDARP00000105715	Intraflagellar transport protein 43 homolog [Source:UniProtKB/Swiss-Prot;Acc:E7F555]	IFT43
ENSDARG00000091650	ENSDARP00000111941	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1

ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000078520	ENSDARP00000110236	IKKBK interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBIP
ENSDARG00000041180	ENSDARP00000060361	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000069504	ENSDARP00000091990	interleukin 12B [Source:HGNC Symbol;Acc:HGNC:5970]	il12B
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000005419	ENSDARP00000002293	interleukin 1, beta [Source:ZFIN;Acc:ZDB-GENE-040702-2]	il1b
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000078649	ENSDARP00000080852	interleukin 21 receptor, like [Source:ZFIN;Acc:ZDB-GENE-080108-7]	il21rl
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000078970	ENSDARP00000119705	interleukin 7 receptor [Source:ZFIN;Acc:ZDB-GENE-080110-7]	il7r
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000035862	ENSDARP00000052066	insulin-like 3 (Leydig cell) [Source:ZFIN;Acc:ZDB-GENE-050310-5]	insl3
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000007534	ENSDARP00000110426	intelectin 1 [Source:ZFIN;Acc:ZDB-GENE-060929-564]	itln1
ENSDARG00000036084	ENSDARP00000052386	intelectin 2 [Source:ZFIN;Acc:ZDB-GENE-050411-58]	itln2
ENSDARG00000003523	ENSDARP000000014852	intelectin 3 [Source:ZFIN;Acc:ZDB-GENE-090527-4]	itln3
ENSDARG00000053630	ENSDARP00000070650	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F413]	ITLN4
ENSDARG00000029556	ENSDARP00000060632	KAT8 regulatory NSL complex subunit 3 [Source:ZFIN;Acc:ZDB-GENE-050809-132]	kansl3
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000070917	ENSDARP00000101828	kit ligand a [Source:ZFIN;Acc:ZDB-GENE-070424-1]	kitlga
ENSDARG00000096343	ENSDARP00000126026	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	KYNU
ENSDARG00000040803	ENSDARP00000059799	lactamase, beta [Source:ZFIN;Acc:ZDB-GENE-020111-1]	lactb
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000053950	ENSDARP00000070545	lin-37 homolog (C. elegans) [Source:ZFIN;Acc:ZDB-GENE-050417-446]	lin37
ENSDARG00000070833	ENSDARP00000095107	lin-52 homolog (C. elegans) [Source:ZFIN;Acc:ZDB-GENE-061110-82]	lin52
ENSDARG00000033604	ENSDARP00000115274	low density lipoprotein receptor-related protein associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5871]	lrp1p1
ENSDARG00000096306	ENSDARP00000102518	leucine rich repeat containing 41 [Source:HGNC Symbol;Acc:HGNC:16917]	LRRC41
ENSDARG00000035147	ENSDARP00000050905	leucine-rich repeats and WD repeat domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5335]	lrwd1
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000033138	ENSDARP00000041191	LYR motif containing 2 [Source:ZFIN;Acc:ZDB-GENE-040914-27]	lyrm2
ENSDARG00000078352	ENSDARP00000103510	LYR motif containing 4 [Source:ZFIN;Acc:ZDB-GENE-081104-295]	lyrm4
ENSDARG00000035435	ENSDARP00000118596	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSDARG00000032601	ENSDARP00000116255	MACRO domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1490]	macrod2
ENSDARG00000043442	ENSDARP00000063774	mal, T-cell differentiation protein [Source:HGNC Symbol;Acc:HGNC:6817]	MAL
ENSDARG00000069733	ENSDARP00000112479	mitochondrial antiviral signaling protein [Source:ZFIN;Acc:ZDB-GENE-070112-1402]	mavs
ENSDARG00000036186	ENSDARP00000126314	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSDARG00000058372	ENSDARP00000125093	microcephalin 1 [Source:ZFIN;Acc:ZDB-GENE-060421-6122]	mcph1
ENSDARG00000045675	ENSDARP00000116078	transformed 3T3 cell double minute 1 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041210-117]	mdm1
ENSDARG00000058021	ENSDARP00000075249	multiple endocrine neoplasia type 1 [Source:ZFIN;Acc:ZDB-GENE-991110-12]	men1
ENSDARG00000091324	ENSDARP00000107054	major facilitator superfamily domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-050522-300]	mfsd7
ENSDARG00000043275	ENSDARP00000063522	O-6-methylguanine-DNA methyltransferase [Source:ZFIN;Acc:ZDB-GENE-120614-1]	mgmt
ENSDARG00000086189	ENSDARP00000124104	matrix Gla protein [Source:ZFIN;Acc:ZDB-GENE-060928-1]	mgp
ENSDARG00000086655	ENSDARP00000105350	MKRN2 opposite strand [Source:HGNC Symbol;Acc:HGNC:40375]	MKRN2OS
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000040387	ENSDARP00000059116	monocyte to macrophage differentiation-associated [Source:ZFIN;Acc:ZDB-GENE-051120-39]	mmd
ENSDARG00000087446	ENSDARP00000123791	monocyte to macrophage differentiation-associated 2a [Source:ZFIN;Acc:ZDB-GENE-081104-52]	mmd2a
ENSDARG00000089090	ENSDARP00000106534	monocyte to macrophage differentiation-associated 2b [Source:ZFIN;Acc:ZDB-GENE-090313-336]	mmd2b
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp1
ENSDARG00000062209	ENSDARP00000084122	mitochondrial ribosomal protein S5 [Source:ZFIN;Acc:ZDB-GENE-060929-264]	mrps5
ENSDARG00000074930	ENSDARP00000117235	microseminoprotein, prostate associated [Source:HGNC Symbol;Acc:HGNC:29663]	MSMP
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000079124	ENSDARP00000128211	MTERF domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28785]	MTERFD2
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvdb
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mrar7
ENSDARG00000045296	ENSDARP00000106916	myeloma overexpressed 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1883]	myeov2
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000068590	ENSDARP00000101635	N-acetyltransferase 6 (GCN5-related) [Source:HGNC Symbol;Acc:HGNC:30252]	NAT6
ENSDARG00000086907	ENSDARP00000108612	nuclear cap binding protein subunit 1, 80kDa [Source:HGNC Symbol;Acc:HGNC:7658]	NCBP1
ENSDARG00000087456	ENSDARP00000105840	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa [Source:HGNC Symbol;Acc:HGNC:7695]	NDUFB1
ENSDARG00000043667	ENSDARP00000063816	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11 [Source:ZFIN;Acc:ZDB-GENE-050309-25]	ndufb11
ENSDARG00000061411	ENSDARP00000082002	negative elongation factor complex member A [Source:ZFIN;Acc:ZDB-GENE-030131-6400]	nelfa
ENSDARG00000076377	ENSDARP00000107700	novel immune-type receptor 1; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:D3X3W2]	NITR1
ENSDARG00000042968	ENSDARP00000125468	novel immune-type receptor 10a [Source:ZFIN;Acc:ZDB-GENE-041001-5]	nitr10a
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b [Source:ZFIN;Acc:ZDB-GENE-041001-4]	nitr10b

ENSDARG00000068001	ENSDARP00000088856	novel immune-type receptor 1c [Source:ZFIN;Acc:ZDB-GENE-001106-4]	nitr1c
ENSDARG00000068014	ENSDARP00000053323	novel immune-type receptor 1k [Source:ZFIN;Acc:ZDB-GENE-001106-5]	nitr1k
ENSDARG00000043398	ENSDARP00000074796	novel immune-type receptor 2a [Source:ZFIN;Acc:ZDB-GENE-020225-28]	nitr2a
ENSDARG00000057956	ENSDARP00000075163	novel immune-type receptor 6a [Source:ZFIN;Acc:ZDB-GENE-020225-42]	nitr6a
ENSDARG00000057948	ENSDARP00000075150	novel immune-type receptor 6b [Source:ZFIN;Acc:ZDB-GENE-041001-10]	nitr6b
ENSDARG00000057941	ENSDARP00000075143	novel immune-type receptor 6c [Source:ZFIN;Acc:ZDB-GENE-041001-11]	nitr6c
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000036748	ENSDARP00000050235	novel immune-type receptor 8 [Source:ZFIN;Acc:ZDB-GENE-041001-7]	nitr8
ENSDARG00000028333	ENSDARP00000053356	novel immune-type receptor 9 [Source:ZFIN;Acc:ZDB-GENE-041001-6]	nitr9
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nk3l
ENSDARG00000020332	ENSDARP00000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000068144	ENSDARP00000089132	neuromedin Ba [Source:ZFIN;Acc:ZDB-GENE-050419-3]	nmba
ENSDARG00000077167	ENSDARP00000097995	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmbb
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000043299	ENSDARP00000063657	neuromedin U [Source:ZFIN;Acc:ZDB-GENE-041001-111]	nmu
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000045016	ENSDARP00000066178	neuropeptide FF-amide peptide precursor like [Source:ZFIN;Acc:ZDB-GENE-030806-1]	npffl
ENSDARG00000052960	ENSDARP00000108691	natriuretic peptide precursor A [Source:ZFIN;Acc:ZDB-GENE-030131-95]	nppa
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000012445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000039626	ENSDARP00000057909	neurogranin (protein kinase C substrate, RC3) a [Source:ZFIN;Acc:ZDB-GENE-090710-4]	nrna
ENSDARG00000076379	ENSDARP00000100432	non-SMC element 2, MMS21 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26513]	NSMCE2
ENSDARG00000057887	ENSDARP00000075084	nutrotenin [Source:ZFIN;Acc:ZDB-GENE-091204-433]	nts
ENSDARG00000058728	ENSDARP00000076102	nudix (nucleoside diphosphate linked moiety X)-type motif 2 [Source:ZFIN;Acc:ZDB-GENE-040718-7]	nudt2
ENSDARG00000078073	ENSDARP00000099881	nudix (nucleoside diphosphate linked moiety X)-type motif 5 [Source:ZFIN;Acc:ZDB-GENE-040625-63]	nudt5
ENSDARG00000070387	ENSDARP00000093998	nudix (nucleoside diphosphate linked moiety X)-type motif 7 [Source:HGNC Symbol;Acc:HGNC:8054]	NUDT7
ENSDARG00000007722	ENSDARP00000007179	nudix (nucleoside diphosphate linked moiety X)-type motif 8 [Source:ZFIN;Acc:ZDB-GENE-061013-219]	nudt8
ENSDARG00000034624	ENSDARP00000040811	NUF2, NDC80 kinetochore complex component, homolog [Source:ZFIN;Acc:ZDB-GENE-040426-1121]	nuf2
ENSDARG00000058672	ENSDARP00000076025	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:33550]	NUGGC
ENSDARG00000030022	ENSDARP00000043430	nucleoporin 188 [Source:ZFIN;Acc:ZDB-GENE-030131-7184]	nup188
ENSDARG00000075191	ENSDARP00000123084	O-acyltransferase like [Source:ZFIN;Acc:ZDB-GENE-090710-2]	oacyl
ENSDARG00000061303	ENSDARP00000081745	oculocutaneous albinism II [Source:ZFIN;Acc:ZDB-GENE-070718-4]	oca2
ENSDARG00000074476	ENSDARP00000112800	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSDARG00000089100	ENSDARP00000108140	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSDARG00000060002	ENSDARP00000078516	8-oxoguanine DNA glycosylase [Source:ZFIN;Acc:ZDB-GENE-070112-932]	ogg1
ENSDARG00000078257	ENSDARP00000101277	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000069808	ENSDARP00000119392	osteopetrosis associated transmembrane protein 1 [Source:ZFIN;Acc:ZDB-GENE-081104-270]	ostm1
ENSDARG00000042845	ENSDARP00000062884	oxytocin [Source:ZFIN;Acc:ZDB-GENE-030407-1]	oxl
ENSDARG00000087556	ENSDARP00000106202	PARK2 co-regulated [Source:HGNC Symbol;Acc:HGNC:19152]	PACRG
ENSDARG00000044167	ENSDARP00000111628	peptidyl arginine deiminase, type II [Source:ZFIN;Acc:ZDB-GENE-031116-67]	pad2
ENSDARG00000071215	ENSDARP00000062739	paralemmin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSDARG00000052480	ENSDARP00000068831	programmed cell death 11 [Source:ZFIN;Acc:ZDB-GENE-030131-4076]	pcd11
ENSDARG00000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000055477	ENSDARP00000072295	pelota homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-040426-1074]	pelo
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000014536	ENSDARP00000106280	prefoldin subunit 1 [Source:ZFIN;Acc:ZDB-GENE-050306-50]	pfdn1
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG0000009113	ENSDARP00000074738	phosphatidylinositol glycan, class C [Source:ZFIN;Acc:ZDB-GENE-030131-2714]	pigc
ENSDARG00000089606	ENSDARP00000105519	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1714]	pin1
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000086471	ENSDARP00000107936	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Source:ZFIN;Acc:ZDB-GENE-050302-97]	pkig
ENSDARG00000092513	ENSDARP00000113826	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG00000043729	ENSDARP00000064213	placenta-specific 8, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-050809-124]	plac8.1
		pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:HGNC:26285]	PLEKHS1
ENSDARG00000090526	ENSDARP00000093251	plasminogen receptor, C-terminal lysine transmembrane protein [Source:ZFIN;Acc:ZDB-GENE-050809-125]	plgrkt
ENSDARG00000073971	ENSDARP00000101247	proteolipid protein 2 (colonic epithelium-enriched) [Source:HGNC Symbol;Acc:HGNC:9087]	PLP2
ENSDARG00000042972	ENSDARP00000090684	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000089307	ENSDARP00000105705	pro-melanin concentrating hormone [Source:ZFIN;Acc:ZDB-GENE-041210-150]	pmch
ENSDARG00000073959	ENSDARP00000101312	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSDARG00000076978	ENSDARP00000101364	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000043904	ENSDARP00000064471	premature ovarian failure, 1B [Source:ZFIN;Acc:ZDB-GENE-030131-4287]	po1b
ENSDARG00000054060	ENSDARP00000107104	polymerase (DNA-directed), delta interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:23782]	POLDIP3
ENSDARG00000091032	ENSDARP00000105174	protein-O-mannose kinase [Source:ZFIN;Acc:ZDB-GENE-041114-119]	pomk
ENSDARG00000003208	ENSDARP00000022488	peptidylprolyl isomerase D (ppid), mRNA [Source:RefSeq mRNA;Acc:NM_001002065]	ppid
ENSDARG00000038835	ENSDARP00000056712	protein phosphatase 1, regulatory subunit 15A [Source:ZFIN;Acc:ZDB-GENE-030131-4408]	ppp1r15a
ENSDARG00000069135	ENSDARP00000091169	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000068636	ENSDARP00000090124	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSDARG00000068916	ENSDARP00000059871	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000078168	ENSDARP00000103006	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSDARG00000077377	ENSDARP00000108941	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000026229	ENSDARP00000030466		

ENSDARG00000044048	ENSDARP00000064665	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSDARG00000003705	ENSDARP00000129661	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnp3
ENSDARG00000097591	ENSDARP00000128306	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSDARG00000091367	ENSDARP00000105670	PRP6 pre-mRNA processing factor 6 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-2575]	prp6
ENSDARG00000093768	ENSDARP00000118798	proline rich 18 [Source:ZFIN;Acc:ZDB-GENE-081107-6]	prp18
ENSDARG00000093738	ENSDARP00000118323	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSDARG00000091961	ENSDARP00000118249	parathyroid hormone 1b [Source:ZFIN;Acc:ZDB-GENE-040623-2]	pth1b
ENSDARG00000022951	ENSDARP00000029759	parathyroid hormone 2 [Source:ZFIN;Acc:ZDB-GENE-041102-1]	pth2
ENSDARG00000021113	ENSDARP00000009093	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000088010	ENSDARP00000124598	protein tyrosine phosphatase, receptor type, U, b [Source:ZFIN;Acc:ZDB-GENE-030131-7036]	ptprub
ENSDARG00000075421	ENSDARP00000069655	pituitary tumor-transforming 1 [Source:ZFIN;Acc:ZDB-GENE-081104-345]	pttg1
ENSDARG00000090156	ENSDARP00000104922	pituitary tumor-transforming 1 interacting protein a [Source:ZFIN;Acc:ZDB-GENE-030131-505]	pttg1ipa
ENSDARG00000040039	ENSDARP00000058564	pituitary tumor-transforming 1 interacting protein b [Source:ZFIN;Acc:ZDB-GENE-041010-10]	pttg1ipb
ENSDARG00000094356	ENSDARP00000115572	poliovirus receptor-related 4 [Source:HGNC Symbol;Acc:HGNC:19688]	PVR4
ENSDARG00000090170	ENSDARP00000108296	RAB11 family interacting protein 4 (class II) a [Source:ZFIN;Acc:ZDB-GENE-040718-266]	rab11fp4a
ENSDARG00000010238	ENSDARP00000004055	RNA binding motif protein 22 [Source:ZFIN;Acc:ZDB-GENE-040426-2298]	rbm22
ENSDARG00000089396	ENSDARP00000111217	RNA binding motif protein 22 [Source:HGNC Symbol;Acc:HGNC:25503]	RBM22
ENSDARG00000094896	ENSDARP00000113002	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:27223]	RBM33
ENSDARG00000069758	ENSDARP00000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000077909	ENSDARP00000098829	RCE1 homolog, prenyl protein peptidase (S. cerevisiae) a [Source:ZFIN;Acc:ZDB-GENE-041008-116]	rce1a
ENSDARG00000088207	ENSDARP00000113266	RCE1 homolog, prenyl protein peptidase (S. cerevisiae) b [Source:ZFIN;Acc:ZDB-GENE-091204-277]	rce1b
ENSDARG00000038186	ENSDARP00000055675	RAD52 motif containing 1 [Source:HGNC Symbol;Acc:HGNC:19950]	RDM1
ENSDARG00000069260	ENSDARP00000091417	REC8 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-060421-4898]	rec8b
ENSDARG00000016742	ENSDARP00000029749	regulator of G-protein signaling 7 binding protein b [Source:ZFIN;Acc:ZDB-GENE-030131-9502]	rgs7bpb
ENSDARG00000077459	ENSDARP00000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rltgr
ENSDARG00000043196	ENSDARP00000063415	ribonuclease like 2 [Source:ZFIN;Acc:ZDB-GENE-050208-420]	rnase12
ENSDARG00000036171	ENSDARP00000041328	ribonuclease like 3 [Source:ZFIN;Acc:ZDB-GENE-050809-5]	rnase13
ENSDARG00000076983	ENSDARP00000100693	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnase14
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000032261	ENSDARP00000040679	RNA guanylyltransferase and 5'-phosphatase [Source:ZFIN;Acc:ZDB-GENE-040426-2087]	rngtt
ENSDARG00000029533	ENSDARP00000043172	ribosomal protein L18 [Source:ZFIN;Acc:ZDB-GENE-040801-165]	rpl18
ENSDARG00000076360	ENSDARP00000103328	ribosomal protein L37 [Source:ZFIN;Acc:ZDB-GENE-040625-39]	rpl37
ENSDARG00000091124	ENSDARP00000111428	ribosomal protein S19 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-110316-2]	rps19bp1
ENSDARG00000035860	ENSDARP00000052062	ribosomal protein S28 [Source:ZFIN;Acc:ZDB-GENE-030131-2022]	rps28
ENSDARG00000091161	ENSDARP00000110329	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSDARG00000091215	ENSDARP00000106769	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSDARG00000069728	ENSDARP00000092473	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSDARG00000039871	ENSDARP00000058323	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSDARG00000075718	ENSDARP00000096709	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSDARG00000055868	ENSDARP00000072728	ribosomal L1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24534]	RS1D1
ENSDARG00000059238	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rt4b
ENSDARG00000045999	ENSDARP00000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	saa
ENSDARG00000043687	ENSDARP00000064149	SAYSVFN motif domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21025]	SAYS1
ENSDARG00000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000068903	ENSDARP00000090568	SDA1 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-021213-1]	sdad1
ENSDARG00000076568	ENSDARP00000059012	Sec61 beta subunit [Source:ZFIN;Acc:ZDB-GENE-040718-260]	sec61b
ENSDARG00000018637	ENSDARP00000122360	Sec61 gamma subunit [Source:ZFIN;Acc:ZDB-GENE-040718-203]	sec61g
ENSDARG00000051957	ENSDARP00000119889	selenoprotein M [Source:ZFIN;Acc:ZDB-GENE-030410-4]	selm
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000074340	ENSDARP00000109735	small EDRK-rich factor 2 [Source:ZFIN;Acc:ZDB-GENE-041108-1]	serf2
ENSDARG00000007362	ENSDARP00000097824	SFT2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1350]	sft2d1
ENSDARG00000070746	ENSDARP00000094935	SFT2 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25140]	SFT2D2
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000022355	ENSDARP00000129532	sedoheptulokinase [Source:ZFIN;Acc:ZDB-GENE-060526-357]	shpk
ENSDARG00000070858	ENSDARP00000095157	si:busm1-105116.2 [Source:ZFIN;Acc:ZDB-GENE-030616-108]	si:busm1-105116.2
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000092858	ENSDARP00000118598	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSDARG00000089522	ENSDARP00000109909	si:ch1073-140o9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-104]	si:ch1073-140o9.2
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143l10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143l10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000097871	ENSDARP00000128942	si:ch1073-145m9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-570]	si:ch1073-145m9.1
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000087102	ENSDARP00000127912	si:ch1073-164k15.3 [Source:ZFIN;Acc:ZDB-GENE-131119-59]	si:ch1073-164k15.3
ENSDARG00000092224	ENSDARP00000121999	si:ch1073-181h11.1 [Source:ZFIN;Acc:ZDB-GENE-081104-73]	si:ch1073-181h11.1
ENSDARG00000086016	ENSDARP00000114224	si:ch1073-181h11.4 [Source:ZFIN;Acc:ZDB-GENE-091204-426]	si:ch1073-181h11.4
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1

ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270l17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270l17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000093773	ENSDARP00000121169	si:ch1073-296i8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-9]	si:ch1073-296i8.2
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000092584	ENSDARP00000095491	si:ch1073-385f13.3 [Source:ZFIN;Acc:ZDB-GENE-131127-357]	si:ch1073-385f13.3
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000094486	ENSDARP00000113725	si:ch1073-412h12.3 [Source:ZFIN;Acc:ZDB-GENE-081104-86]	si:ch1073-412h12.3
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000097702	ENSDARP00000127699	si:ch1073-66i23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-51]	si:ch1073-66i23.1
ENSDARG00000079387	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000096191	ENSDARP00000125344	si:ch211-112b1.2 [Source:ZFIN;Acc:ZDB-GENE-110914-236]	si:ch211-112b1.2
ENSDARG00000082542	ENSDARP00000032320	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000094474	ENSDARP00000125186	si:ch211-117l17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117l17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000095049	ENSDARP00000122846	si:ch211-122i24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122i24.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122i24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122i24.3
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000092804	ENSDARP00000115973	si:ch211-131e11.13 [Source:ZFIN;Acc:ZDB-GENE-070912-49]	si:ch211-131e11.13
ENSDARG00000074188	ENSDARP00000112562	si:ch211-131e11.19 [Source:ZFIN;Acc:ZDB-GENE-070912-53]	si:ch211-131e11.19
ENSDARG00000096645	ENSDARP00000126625	si:ch211-131k2.2 [Source:ZFIN;Acc:ZDB-GENE-121214-81]	si:ch211-131k2.2
ENSDARG000000940250	ENSDARP00000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000089477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-469]	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000070652	ENSDARP00000077673	si:ch211-134a4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-523]	si:ch211-134a4.1
ENSDARG00000086843	ENSDARP00000106340	si:ch211-134a4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-265]	si:ch211-134a4.4
ENSDARG00000068861	ENSDARP00000090515	si:ch211-134a4.5 [Source:ZFIN;Acc:ZDB-GENE-131127-630]	si:ch211-134a4.5
ENSDARG00000097484	ENSDARP00000127781	si:ch211-134a4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-380]	si:ch211-134a4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000078748	ENSDARP00000129560	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000093230	ENSDARP00000115051	si:ch211-139n6.3 [Source:ZFIN;Acc:ZDB-GENE-041111-114]	si:ch211-139n6.3
ENSDARG0000007738	ENSDARP00000123164	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000069998	ENSDARP00000093122	si:ch211-145b13.6 [Source:ZFIN;Acc:ZDB-GENE-090313-36]	si:ch211-145b13.6
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3

ENSDARG00000093216	ENSDARPO0000118913	si:ch211-146l10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146l10.7
ENSDARG00000095457	ENSDARPO0000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000097352	ENSDARPO0000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000095911	ENSDARPO0000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000097936	ENSDARPO0000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000095420	ENSDARPO0000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARPO0000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARPO0000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000094522	ENSDARPO0000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSDARG00000097323	ENSDARPO0000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000092972	ENSDARPO0000113980	si:ch211-14k19.8	si:ch211-14k19.8
ENSDARG00000092746	ENSDARPO0000122765	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSDARG00000068250	ENSDARPO0000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARPO0000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARPO0000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARPO0000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARPO0000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000097187	ENSDARPO0000128396	si:ch211-153l6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153l6.6
ENSDARG00000095612	ENSDARPO0000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARPO0000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARPO0000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000086518	ENSDARPO0000107859	si:ch211-155o21.3 [Source:ZFIN;Acc:ZDB-GENE-121214-24]	si:ch211-155o21.3
ENSDARG00000096567	ENSDARPO0000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARPO0000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000094977	ENSDARPO0000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSDARG00000076850	ENSDARPO0000099984	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSDARG00000095885	ENSDARPO0000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARPO0000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000087238	ENSDARPO0000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSDARG00000028164	ENSDARPO0000043192	si:ch211-161h7.6 [Source:ZFIN;Acc:ZDB-GENE-091118-10]	si:ch211-161h7.6
ENSDARG00000096384	ENSDARPO0000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000094890	ENSDARPO0000120066	si:ch211-163b2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-502]	si:ch211-163b2.4
ENSDARG00000095555	ENSDARPO0000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARPO0000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARPO0000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARPO0000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARPO0000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARPO0000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000079042	ENSDARPO0000102034	si:ch211-166e11.5 [Source:ZFIN;Acc:ZDB-GENE-070912-142]	si:ch211-166e11.5
ENSDARG00000095504	ENSDARPO0000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARPO0000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARPO0000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARPO0000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000087873	ENSDARPO0000111904	si:ch211-170n20.3 [Source:ZFIN;Acc:ZDB-GENE-131121-365]	si:ch211-170n20.3
ENSDARG00000091590	ENSDARPO0000120837	si:ch211-170p16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-152]	si:ch211-170p16.1
ENSDARG00000094794	ENSDARPO0000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARPO0000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARPO0000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000096522	ENSDARPO0000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARPO0000127843	si:ch211-176l24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176l24.4
ENSDARG00000086802	ENSDARPO0000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARPO0000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000097617	ENSDARPO0000129813	si:ch211-178n15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-242]	si:ch211-178n15.1
ENSDARG00000096902	ENSDARPO0000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000090807	ENSDARPO0000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000070304	ENSDARPO0000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARPO0000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARPO0000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARPO0000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000094059	ENSDARPO0000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000077572	ENSDARPO0000126053	si:ch211-193k19.2 [Source:ZFIN;Acc:ZDB-GENE-060503-203]	si:ch211-193k19.2
ENSDARG00000096966	ENSDARPO0000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARPO0000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARPO0000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG00000072024	ENSDARPO0000064992	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSDARG00000093337	ENSDARPO0000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARPO0000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000041492	ENSDARPO0000060824	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSDARG00000096451	ENSDARPO0000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARPO0000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000071361	ENSDARPO0000121202	si:ch211-197g15.10 [Source:ZFIN;Acc:ZDB-GENE-050208-617]	si:ch211-197g15.10
ENSDARG00000096973	ENSDARPO0000096233	si:ch211-197g15.6 [Source:ZFIN;Acc:ZDB-GENE-050208-457]	si:ch211-197g15.6
ENSDARG00000071355	ENSDARPO0000096226	si:ch211-197g15.7 [Source:ZFIN;Acc:ZDB-GENE-030131-4763]	si:ch211-197g15.7
ENSDARG00000094984	ENSDARPO0000125020	si:ch211-197g15.8 [Source:ZFIN;Acc:ZDB-GENE-050208-377]	si:ch211-197g15.8
ENSDARG00000022993	ENSDARPO0000096228	si:ch211-197g15.9 [Source:ZFIN;Acc:ZDB-GENE-050208-616]	si:ch211-197g15.9
ENSDARG00000091631	ENSDARPO0000118446	si:ch211-197h24.6 [Source:ZFIN;Acc:ZDB-GENE-030131-1361]	si:ch211-197h24.6
ENSDARG00000096214	ENSDARPO0000125210	si:ch211-197k17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-193]	si:ch211-197k17.3
ENSDARG00000095533	ENSDARPO0000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARPO0000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1

ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000078138	ENSDARP00000100828	si:ch211-202h22.8 [Source:ZFIN;Acc:ZDB-GENE-090313-78]	si:ch211-202h22.8
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000090793	ENSDARP00000126338	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000056501	ENSDARP00000073465	si:ch211-208g24.8 [Source:ZFIN;Acc:ZDB-GENE-131127-183]	si:ch211-208g24.8
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000093111	ENSDARP00000127975	si:ch211-209i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-682]	si:ch211-209i18.2
ENSDARG00000094002	ENSDARP00000029748	si:ch211-210b2.2 [Source:ZFIN;Acc:ZDB-GENE-131118-33]	si:ch211-210b2.2
ENSDARG00000096927	ENSDARP00000128104	si:ch211-210b2.3 [Source:ZFIN;Acc:ZDB-GENE-131122-13]	si:ch211-210b2.3
ENSDARG00000095212	ENSDARP00000128098	si:ch211-210b2.4 [Source:ZFIN;Acc:ZDB-GENE-131122-12]	si:ch211-210b2.4
ENSDARG00000092856	ENSDARP00000114642	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSDARG00000078499	ENSDARP00000103610	si:ch211-212k5.3 [Source:ZFIN;Acc:ZDB-GENE-110914-156]	si:ch211-212k5.3
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000069595	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000045847	ENSDARP00000067377	si:ch211-214j24.10 [Source:ZFIN;Acc:ZDB-GENE-030131-63011]	si:ch211-214j24.10
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000039423	ENSDARP00000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSDARG0000009345	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000093494	ENSDARP00000120801	si:ch211-217k17.9 [Source:ZFIN;Acc:ZDB-GENE-061207-21]	si:ch211-217k17.9
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-051118-60]	si:ch211-222e20.4
ENSDARG00000071578	ENSDARP00000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000045646	ENSDARP00000067120	si:ch211-227p7.1 [Source:ZFIN;Acc:ZDB-GENE-041210-224]	si:ch211-227p7.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG00000079485	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-050208-448]	si:ch211-236g6.1
ENSDARG00000095051	ENSDARP00000119801	si:ch211-236i14.1 [Source:ZFIN;Acc:ZDB-GENE-081104-492]	si:ch211-236i14.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000054502	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP00000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENSDARG00000039393	ENSDARP00000057566	si:ch211-240i19.5 [Source:ZFIN;Acc:ZDB-GENE-041210-327]	si:ch211-240i19.5
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENSDARG00000041911	ENSDARP00000061416	si:ch211-245h14.1 [Source:ZFIN;Acc:ZDB-GENE-041014-350]	si:ch211-245h14.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000075065	ENSDARP00000128027	si:ch211-249o11.5 [Source:ZFIN;Acc:ZDB-GENE-131127-165]	si:ch211-249o11.5
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5

ENSDARG00000092945	ENSDARP0000012897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071772	ENSDARP00000097165	si:ch211-253p2.2 [Source:ZFIN;Acc:ZDB-GENE-041111-272]	si:ch211-253p2.2
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092375	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-40]	si:ch211-260d11.1
ENSDARG00000070898	ENSDARP00000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000057903	ENSDARP00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131121-188]	si:ch211-266g18.10
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG00000077596	ENSDARP00000099941	si:ch211-269m17.1 [Source:ZFIN;Acc:ZDB-GENE-091204-154]	si:ch211-269m17.1
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092667	ENSDARP00000122313	si:ch211-271e10.2 [Source:ZFIN;Acc:ZDB-GENE-060526-146]	si:ch211-271e10.2
ENSDARG00000093763	ENSDARP00000114010	si:ch211-271e10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-149]	si:ch211-271e10.6
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000096398	ENSDARP00000125977	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000089255	ENSDARP00000110540	si:ch211-286c4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-132]	si:ch211-286c4.6
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-266]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000057881	ENSDARP00000104099	si:ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	si:ch211-39k3.2
ENSDARG00000097855	ENSDARP00000128446	si:ch211-3o3.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12]	si:ch211-3o3.9
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000094668	ENSDARP00000114748	si:ch211-51a19.5 [Source:ZFIN;Acc:ZDB-GENE-041014-366]	si:ch211-51a19.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2 [Source:ZFIN;Acc:ZDB-GENE-100922-24]	si:ch211-53m15.2
ENSDARG00000013022	ENSDARP00000076012	si:ch211-59h6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-418]	si:ch211-59h6.1
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000096978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000086317	ENSDARP00000105628	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000098036	ENSDARP00000129469	si:ch211-69i10.4 [Source:ZFIN;Acc:ZDB-GENE-131127-259]	si:ch211-69i10.4
ENSDARG00000087061	ENSDARP00000111332	si:ch211-71k14.1 [Source:ZFIN;Acc:ZDB-GENE-110411-283]	si:ch211-71k14.1
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000094952	ENSDARP00000113145	si:ch211-74m13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-12]	si:ch211-74m13.1
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000074098	ENSDARP00000100670	si:ch211-86h15.1 [Source:ZFIN;Acc:ZDB-GENE-081107-38]	si:ch211-86h15.1
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000095520	ENSDARP00000115277	si:ch211-9d9.7 [Source:ZFIN;Acc:ZDB-GENE-060503-422]	si:ch211-9d9.7
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5

ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000057813	ENSDARP00000106047	si:ch73-132f6.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9581]	si:ch73-132f6.5
ENSDARG00000095867	ENSDARP00000123979	si:ch73-132k15.2 [Source:ZFIN;Acc:ZDB-GENE-110411-191]	si:ch73-132k15.2
ENSDARG00000087364	ENSDARP00000105018	si:ch73-140j24.4 [Source:ZFIN;Acc:ZDB-GENE-131120-193]	si:ch73-140j24.4
ENSDARG00000097804	ENSDARP00000129351	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000076865	ENSDARP00000110233	si:ch73-193c12.2 [Source:ZFIN;Acc:ZDB-GENE-131127-646]	si:ch73-193c12.2
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000094914	ENSDARP00000113125	si:ch73-196i15.5 [Source:ZFIN;Acc:ZDB-GENE-091118-32]	si:ch73-196i15.5
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211l13.2
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000095939	ENSDARP00000124684	si:ch73-226i13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-18]	si:ch73-226i13.2
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000089185	ENSDARP00000115983	si:ch73-264i18.2 [Source:ZFIN;Acc:ZDB-GENE-091204-6]	si:ch73-264i18.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097398	ENSDARP00000129312	si:ch73-288o11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-207]	si:ch73-288o11.4
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-309i.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-309i.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-227]	si:ch73-338a16.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000093368	ENSDARP00000116528	si:ch73-348k23.1 [Source:ZFIN;Acc:ZDB-GENE-060601-1]	si:ch73-348k23.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000095806	ENSDARP00000123692	si:ch73-362i18.1 [Source:ZFIN;Acc:ZDB-GENE-110411-182]	si:ch73-362i18.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000043812	ENSDARP00000115043	si:ch73-389k6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-408]	si:ch73-389k6.1
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000060331	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000097696	ENSDARP00000128197	si:ch73-71c20.5 [Source:ZFIN;Acc:ZDB-GENE-060810-58]	si:ch73-71c20.5
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000058537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3

ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3 [Source:ZFIN;Acc:ZDB-GENE-091204-230]	si:dkey-102g19.3
ENSDARG00000095057	ENSDARP00000114368	si:dkey-103d23.3 [Source:ZFIN;Acc:ZDB-GENE-081104-522]	si:dkey-103d23.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106j3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106j3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000079133	ENSDARP00000104147	si:dkey-10c21.1 [Source:ZFIN;Acc:ZDB-GENE-081104-302]	si:dkey-10c21.1
ENSDARG00000074628	ENSDARP00000115004	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSDARG00000070315	ENSDARP00000093832	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSDARG00000074773	ENSDARP00000127893	si:dkey-110g7.8 [Source:ZFIN;Acc:ZDB-GENE-131121-280]	si:dkey-110g7.8
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000093960	ENSDARP00000114887	si:dkey-111e8.5 [Source:ZFIN;Acc:ZDB-GENE-060526-192]	si:dkey-111e8.5
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114i24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114i24.2
ENSDARG00000093120	ENSDARP00000115667	si:dkey-117m1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-177]	si:dkey-117m1.4
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000086228	ENSDARP00000092345	si:dkey-120c6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-595]	si:dkey-120c6.5
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000095821	ENSDARP00000124148	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000094760	ENSDARP00000124596	si:dkey-125i10.3 [Source:ZFIN;Acc:ZDB-GENE-060526-198]	si:dkey-125i10.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12i12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12i12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000090700	ENSDARP00000126601	si:dkey-13m3.2 [Source:ZFIN;Acc:ZDB-GENE-121214-42]	si:dkey-13m3.2
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000088529	ENSDARP00000106972	si:dkey-146m20.1 [Source:ZFIN;Acc:ZDB-GENE-041210-341]	si:dkey-146m20.1
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149j17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149j17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000038530	ENSDARP00000056225	si:dkey-156m2.2 [Source:ZFIN;Acc:ZDB-GENE-121214-190]	si:dkey-156m2.2
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000060340	ENSDARP00000079364	si:dkey-157i19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-190]	si:dkey-157i19.2
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3 [Source:ZFIN;Acc:ZDB-GENE-121214-324]	si:dkey-162h11.3
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000058682	ENSDARP00000076041	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110614-174]	si:dkey-191j3.1
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2

ENSDARG00000092883	ENSDARP00000009521	si:dkey-193b15.5 [Source:ZFIN;Acc:ZDB-GENE-070912-413]	si:dkey-193b15.5
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13 [Source:ZFIN;Acc:ZDB-GENE-110411-2]	si:dkey-19a16.13
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000074205	ENSDARP00000099583	si:dkey-1c7.3 [Source:ZFIN;Acc:ZDB-GENE-121214-189]	si:dkey-1c7.3
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-163]	si:dkey-205h23.1
ENSDARG00000096971	ENSDARP00000128158	si:dkey-206p8.1 [Source:ZFIN;Acc:ZDB-GENE-131127-460]	si:dkey-206p8.1
ENSDARG00000043540	ENSDARP00000092008	si:dkey-207i24.2 [Source:ZFIN;Acc:ZDB-GENE-131125-92]	si:dkey-207i24.2
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000068325	ENSDARP00000056669	si:dkey-21n10.3 [Source:ZFIN;Acc:ZDB-GENE-070912-444]	si:dkey-21n10.3
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220e21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220e21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000075428	ENSDARP00000099974	si:dkey-225i9.4 [Source:ZFIN;Acc:ZDB-GENE-131125-28]	si:dkey-225i9.4
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092044	ENSDARP00000115590	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000070126	ENSDARP00000093431	si:dkey-22i11.6 [Source:ZFIN;Acc:ZDB-GENE-041210-251]	si:dkey-22i11.6
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-439]	si:dkey-237j11.3
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000094824	ENSDARP00000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1

ENSDARG00000011581	ENSDARP00000128257	si:dkey-23k10.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4787]	si:dkey-23k10.5
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000069189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000090120	ENSDARP00000109766	si:dkey-248g21.1 [Source:ZFIN;Acc:ZDB-GENE-131119-67]	si:dkey-248g21.1
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000088452	ENSDARP00000124204	si:dkey-24i24.3 [Source:ZFIN;Acc:ZDB-GENE-110411-103]	si:dkey-24i24.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-250]	si:dkey-250k15.4
ENSDARG00000095643	ENSDARP00000096720	si:dkey-253d23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-334]	si:dkey-253d23.3
ENSDARG00000097962	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000078844	ENSDARP00000119456	si:dkey-259p7.1 [Source:ZFIN;Acc:ZDB-GENE-100921-42]	si:dkey-259p7.1
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000094345	ENSDARP00000114878	si:dkey-261l7.2 [Source:ZFIN;Acc:ZDB-GENE-090313-288]	si:dkey-261l7.2
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000098938	ENSDARP00000112312	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000091627	ENSDARP00000107508	si:dkey-271j15.3 [Source:ZFIN;Acc:ZDB-GENE-100921-27]	si:dkey-271j15.3
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000093621	ENSDARP00000118008	si:dkey-27b3.4 [Source:ZFIN;Acc:ZDB-GENE-091204-131]	si:dkey-27b3.4
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000092228	ENSDARP00000114575	si:dkey-27p18.3 [Source:ZFIN;Acc:ZDB-GENE-060526-287]	si:dkey-27p18.3
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000095988	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000090708	ENSDARP00000107235	si:dkey-28g23.6 [Source:ZFIN;Acc:ZDB-GENE-131119-80]	si:dkey-28g23.6
ENSDARG00000069524	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000087817	ENSDARP00000109645	si:dkey-30g5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-100]	si:dkey-30g5.1
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000094587	ENSDARP00000112901	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000056669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4

ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000095252	ENSDARP00000117573	si:dkey-40h20.1 [Source:ZFIN;Acc:ZDB-GENE-091113-44]	si:dkey-40h20.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000071020	ENSDARP00000095515	si:dkey-42i16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-442]	si:dkey-42i16.1
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000095073	ENSDARP00000117177	si:dkey-4c23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-749]	si:dkey-4c23.4
ENSDARG00000071279	ENSDARP00000096067	si:dkey-4c23.5 [Source:ZFIN;Acc:ZDB-GENE-050208-349]	si:dkey-4c23.5
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52i18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52i18.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c2.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c2.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000075537	ENSDARP00000125311	si:dkey-57i19.1 [Source:ZFIN;Acc:ZDB-GENE-060503-171]	si:dkey-57i19.1
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10 [Source:ZFIN;Acc:ZDB-GENE-060526-312]	si:dkey-58f10.10
ENSDARG00000094935	ENSDARP00000116305	si:dkey-58f10.11 [Source:ZFIN;Acc:ZDB-GENE-060526-313]	si:dkey-58f10.11
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12 [Source:ZFIN;Acc:ZDB-GENE-060526-314]	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13 [Source:ZFIN;Acc:ZDB-GENE-060526-315]	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14 [Source:ZFIN;Acc:ZDB-GENE-060526-316]	si:dkey-58f10.14
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000094489	ENSDARP00000120147	si:dkey-58f10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-320]	si:dkey-58f10.6
ENSDARG00000091972	ENSDARP00000112844	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSDARG00000096615	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000094528	ENSDARP00000117624	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000093234	ENSDARP00000116561	si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12]	si:dkey-65i23.2
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66l17.4
ENSDARG00000055389	ENSDARP00000072206	si:dkey-67c22.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5845]	si:dkey-67c22.2
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000092390	ENSDARP00000120910	si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340]	si:dkey-6f10.4
ENSDARG00000092039	ENSDARP00000119877	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSDARG00000094753	ENSDARP00000113246	si:dkey-71d15.2 [Source:ZFIN;Acc:ZDB-GENE-050309-272]	si:dkey-71d15.2
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000087331	ENSDARP00000108716	si:dkey-77f5.3 [Source:ZFIN;Acc:ZDB-GENE-030131-5102]	si:dkey-77f5.3
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153]	si:dkey-79c1.1
ENSDARG00000089123	ENSDARP00000107117	si:dkey-79d12.2 [Source:ZFIN;Acc:ZDB-GENE-131121-604]	si:dkey-79d12.2
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000093857	ENSDARP00000117665	si:dkey-79f11.10 [Source:ZFIN;Acc:ZDB-GENE-050302-48]	si:dkey-79f11.10
ENSDARG0000007602	ENSDARP0000007590	si:dkey-79f11.4 [Source:ZFIN;Acc:ZDB-GENE-090312-75]	si:dkey-79f11.4
ENSDARG00000075791	ENSDARP00000113622	si:dkey-79f11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9145]	si:dkey-79f11.5
ENSDARG00000092361	ENSDARP00000128559	si:dkey-79f11.7 [Source:ZFIN;Acc:ZDB-GENE-090313-338]	si:dkey-79f11.7
ENSDARG00000095673	ENSDARP00000121495	si:dkey-79f11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-4806]	si:dkey-79f11.8
ENSDARG00000095309	ENSDARP00000126882	si:dkey-79f11.9 [Source:ZFIN;Acc:ZDB-GENE-090313-339]	si:dkey-79f11.9
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000089021	ENSDARP00000108888	si:dkey-7f16.3 [Source:ZFIN;Acc:ZDB-GENE-131120-59]	si:dkey-7f16.3
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24

ENSDARG00000097528	ENSDARP00000128310	si:dkey-7j14.5 [Source:ZFIN;Acc:ZDB-GENE-030131-8110]	si:dkey-7j14.5
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000094074	ENSDARP00000118587	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095893	ENSDARP00000124597	si:dkey-85n7.7 [Source:ZFIN;Acc:ZDB-GENE-110408-52]	si:dkey-85n7.7
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSDARG00000095796	ENSDARP00000124470	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSDARG00000095137	ENSDARP00000116841	si:dkey-88l16.2 [Source:ZFIN;Acc:ZDB-GENE-091113-59]	si:dkey-88l16.2
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88l16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88l16.5
ENSDARG00000043735	ENSDARP00000064220	si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85]	si:dkey-88n24.5
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61]	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515]	si:dkey-9p20.18
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSDARG00000096904	ENSDARP00000129842	si:dkeyp-100a5.4 [Source:ZFIN;Acc:ZDB-GENE-131122-37]	si:dkeyp-100a5.4
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140]	si:dkeyp-100h4.8
ENSDARG00000089794	ENSDARP00000108567	si:dkeyp-101e12.1 [Source:ZFIN;Acc:ZDB-GENE-091113-32]	si:dkeyp-101e12.1
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527]	si:dkeyp-106c3.2
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39]	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-92]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000096901	ENSDARP00000091739	si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466]	si:dkeyp-114g9.1
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSDARG00000097936	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000077519	ENSDARP00000114312	si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21]	si:dkeyp-13d11.2
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000093811	ENSDARP00000115469	si:dkeyp-2c8.3 [Source:ZFIN;Acc:ZDB-GENE-081031-97]	si:dkeyp-2c8.3
ENSDARG00000094387	ENSDARP00000122446	si:dkeyp-30e7.2 [Source:ZFIN;Acc:ZDB-GENE-081104-498]	si:dkeyp-30e7.2
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000056954	ENSDARP00000050406	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000090999	ENSDARP00000106418	si:dkeyp-67a8.4 [Source:ZFIN;Acc:ZDB-GENE-070912-666]	si:dkeyp-67a8.4
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000095024	ENSDARP00000118612	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSDARG00000087165	ENSDARP00000111500	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000055731	ENSDARP00000120497	si:dkeyp-69e1.8 [Source:ZFIN;Acc:ZDB-GENE-070912-676]	si:dkeyp-69e1.8
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g2.2
ENSDARG00000073704	ENSDARP00000127539	si:dkeyp-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkeyp-72g9.4
ENSDARG00000097989	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000070490	ENSDARP00000110016	si:dkeyp-75b4.7 [Source:ZFIN;Acc:ZDB-GENE-090312-58]	si:dkeyp-75b4.7
ENSDARG00000015678	ENSDARP0000003429	si:dkeyp-75b4.9 [Source:ZFIN;Acc:ZDB-GENE-090313-396]	si:dkeyp-75b4.9

ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000093000	ENSDARP00000115775	si:dkeyp-77c8.2 [Source:ZFIN;Acc:ZDB-GENE-090313-398]	si:dkeyp-77c8.2
ENSDARG00000092369	ENSDARP00000117706	si:dkeyp-77c8.3 [Source:ZFIN;Acc:ZDB-GENE-090313-399]	si:dkeyp-77c8.3
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4 [Source:ZFIN;Acc:ZDB-GENE-090313-400]	si:dkeyp-77c8.4
ENSDARG00000095514	ENSDARP00000117258	si:dkeyp-77c8.5 [Source:ZFIN;Acc:ZDB-GENE-090313-401]	si:dkeyp-77c8.5
ENSDARG00000058248	ENSDARP00000075535	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000092505	ENSDARP00000129195	si:dkeyp-80d11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4126]	si:dkeyp-80d11.1
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000094192	ENSDARP00000114927	si:dkeyp-82a1.2 [Source:ZFIN;Acc:ZDB-GENE-081104-475]	si:dkeyp-82a1.2
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000029720	ENSDARP00000041461	si:dkeyp-9d4.2 [Source:ZFIN;Acc:ZDB-GENE-090312-156]	si:dkeyp-9d4.2
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000044023	ENSDARP00000064632	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSDARG00000089202	ENSDARP00000109920	si:rp71-40n14.6 [Source:ZFIN;Acc:ZDB-GENE-131127-147]	si:rp71-40n14.6
ENSDARG00000097746	ENSDARP00000129247	si:rp71-77l1.1 [Source:ZFIN;Acc:ZDB-GENE-131121-141]	si:rp71-77l1.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000097986	ENSDARP00000129517	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000095540	ENSDARP00000115207	secreted immunoglobulin domain 1 [Source:ZFIN;Acc:ZDB-GENE-020620-1]	sid1
ENSDARG00000017163	ENSDARP00000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000019478	ENSDARP00000012513	solute carrier family 10, member 7 [Source:ZFIN;Acc:ZDB-GENE-040801-5]	slc10a7
ENSDARG00000076092	ENSDARP00000128224	solute carrier family 31 (copper transporters), member 2 [Source:ZFIN;Acc:ZDB-GENE-030925-25]	slc31a2
ENSDARG00000026907	ENSDARP00000033200	solute carrier family 48 (heme transporter), member 1a [Source:ZFIN;Acc:ZDB-GENE-040718-121]	slc48a1a
ENSDARG00000026109	ENSDARP00000035010	solute carrier family 48 (heme transporter), member 1b [Source:ZFIN;Acc:ZDB-GENE-030131-8226]	slc48a1b
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000095826	ENSDARP00000124644	single-pass membrane protein with aspartate-rich tail 1 [Source:ZFIN;Acc:ZDB-GENE-110411-114]	smdt1
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG00000005799	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000086699	ENSDARP00000104976	small integral membrane protein 15 [Source:ZFIN;Acc:ZDB-GENE-070410-48]	smim15
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG00000036473	ENSDARP00000073820	small nuclear RNA activating complex, polypeptide 2, 45kDa [Source:HGNC Symbol;Acc:HGNC:11135]	SNAPC2
ENSDARG00000062476	ENSDARP00000084846	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	snapc5
ENSDARG00000069361	ENSDARP00000091646	sperm autoantigenic protein 17 [Source:ZFIN;Acc:ZDB-GENE-061027-337]	spa17
ENSDARG00000088373	ENSDARP00000109164	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4l
ENSDARG00000096554	ENSDARP00000126902	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]	SPAG5
ENSDARG00000093622	ENSDARP00000059307	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050522-456]	spc24
ENSDARG00000091609	ENSDARP00000106946	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:HGNC:16646]	SPINK4
ENSDARG00000044276	ENSDARP00000092035	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000056859	ENSDARP00000073885	spexin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	SPX
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	sergn
ENSDARG00000088272	ENSDARP00000106174	signal recognition particle 14 [Source:ZFIN;Acc:ZDB-GENE-050913-131]	srp14
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSDARG00000039350	ENSDARP00000057506	single-stranded DNA binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-340]	ssbp1
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000029377	ENSDARP00000048482	succinyl-CoA:glutarate-CoA transferase [Source:HGNC Symbol;Acc:HGNC:16001]	SUGCT
ENSDARG00000078492	ENSDARP00000100791	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syng2a

ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gt14a
ENSDARG00000014490	ENSDARP00000006554	tachykinin 1 [Source:ZFIN;Acc:ZDB-GENE-060503-904]	tac1
ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000096234	ENSDARP00000126245	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSDARG00000090402	ENSDARP00000108544	TRAF family member-associated NFkB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSDARG00000037980	ENSDARP00000114273	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tceb2
ENSDARG00000097471	ENSDARP00000127631	transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B) [Source:HGNC Symbol;Acc:HGNC:11619]	TCEB2
ENSDARG00000068088	ENSDARP00000089045	transcobalamin like [Source:ZFIN;Acc:ZDB-GENE-060531-123]	tcnl
ENSDARG00000038713	ENSDARP00000056535	telomerase-associated protein 1 [Source:HGNC Symbol;Acc:HGNC:11726]	TEP1
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000039583	ENSDARP00000057831	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSDARG00000061621	ENSDARP00000125073	thioesterase superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:17947]	THEM4
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000035018	ENSDARP00000045409	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSDARG00000042659	ENSDARP00000062575	thymocyte nuclear protein 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1585]	thyn1
ENSDARG00000043898	ENSDARP00000064462	translocase of inner mitochondrial membrane 10 homolog B (yeast) [Source:ZFIN;Acc:ZDB-GENE-050417-370]	timm10b
ENSDARG00000054473	ENSDARP00000113476	TRF1 (TRF1)-interacting nuclear factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-6168]	tinf2
ENSDARG00000071670	ENSDARP00000096919	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	trna7
ENSDARG00000038089	ENSDARP00000055527	transmembrane protein 114 [Source:HGNC Symbol;Acc:HGNC:33227]	TMEM114
ENSDARG00000095259	ENSDARP00000120390	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSDARG00000068036	ENSDARP00000088932	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000069649	ENSDARP00000121630	transmembrane protein 160 [Source:ZFIN;Acc:ZDB-GENE-060503-851]	tmem160
ENSDARG00000079858	ENSDARP00000102143	transmembrane protein 163a [Source:ZFIN;Acc:ZDB-GENE-081104-429]	tmem163a
ENSDARG00000088227	ENSDARP00000122494	transmembrane protein 163b [Source:ZFIN;Acc:ZDB-GENE-091204-410]	tmem163b
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000035388	ENSDARP00000051296	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSDARG00000078659	ENSDARP00000088271	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSDARG00000086230	ENSDARP00000113222	transmembrane protein 176l.1 [Source:ZFIN;Acc:ZDB-GENE-080829-11]	tmem176l.1
ENSDARG00000089399	ENSDARP00000111818	transmembrane protein 176l.2 [Source:ZFIN;Acc:ZDB-GENE-080829-12]	tmem176l.2
ENSDARG00000094439	ENSDARP00000114190	transmembrane protein 176l.3a [Source:ZFIN;Acc:ZDB-GENE-080829-13]	tmem176l.3a
ENSDARG00000096874	ENSDARP00000129057	transmembrane protein 176l.3b [Source:ZFIN;Acc:ZDB-GENE-080829-14]	tmem176l.3b
ENSDARG00000074390	ENSDARP00000102459	transmembrane protein 176l.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3532]	tmem176l.4
ENSDARG00000068291	ENSDARP00000089483	transmembrane protein 208 [Source:HGNC Symbol;Acc:HGNC:25015]	TMEM208
ENSDARG00000039340	ENSDARP00000070015	transmembrane protein 209 [Source:ZFIN;Acc:ZDB-GENE-030131-2879]	tmem209
ENSDARG00000089276	ENSDARP00000106702	transmembrane protein 235 [Source:HGNC Symbol;Acc:HGNC:27563]	TMEM235
ENSDARG00000075715	ENSDARP00000101648	transmembrane protein 236 [Source:HGNC Symbol;Acc:HGNC:23473]	TMEM236
ENSDARG00000025538	ENSDARP00000029099	transmembrane protein 254 [Source:HGNC Symbol;Acc:HGNC:25804]	TMEM254
ENSDARG00000038901	ENSDARP00000056789	transmembrane protein 256 [Source:ZFIN;Acc:ZDB-GENE-050417-92]	tmem256
ENSDARG00000054911	ENSDARP00000071665	thymosin, beta [Source:ZFIN;Acc:ZDB-GENE-050307-5]	tmsb
ENSDARG00000077777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tmsb4x
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000068760	ENSDARP00000090344	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tom5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000067717	ENSDARP00000088302	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060825-115]	tom7
ENSDARG00000088178	ENSDARP00000111197	tumor protein p53 inducible nuclear protein 2 [Source:ZFIN;Acc:ZDB-GENE-120420-1]	tp53inp2
ENSDARG00000011926	ENSDARP00000030536	tubulin polyglutamylase complex subunit 2 [Source:ZFIN;Acc:ZDB-GENE-040704-49]	tpgs2
ENSDARG00000094353	ENSDARP00000115832	trafficking protein particle complex 9 [Source:HGNC Symbol;Acc:HGNC:30832]	TRAPPC9
ENSDARG00000041779	ENSDARP00000091815	triadin [Source:ZFIN;Acc:ZDB-GENE-041014-193]	trdn
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000069241	ENSDARP00000091378	tetratricopeptide repeat domain 32 [Source:ZFIN;Acc:ZDB-GENE-041014-158]	ttc32
ENSDARG00000094675	ENSDARP00000120873	tumor suppressor candidate 5 [Source:HGNC Symbol;Acc:HGNC:29592]	TUSC5
ENSDARG00000060581	ENSDARP00000114794	UBA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:20486]	UBAC2
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000027799	ENSDARP00000030232	upper zone of growth plate and cartilage matrix associated a [Source:ZFIN;Acc:ZDB-GENE-070410-71]	ucmaa
ENSDARG00000005485	ENSDARP00000026630	upper zone of growth plate and cartilage matrix associated b [Source:ZFIN;Acc:ZDB-GENE-040426-2368]	ucmab
ENSDARG00000087241	ENSDARP00000107038	urocortin 3, like [Source:ZFIN;Acc:ZDB-GENE-060130-250]	ucn3l
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000096003	ENSDARP00000125277	up-regulated during skeletal muscle growth 5 homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:30889]	USMG5
ENSDARG00000053854	ENSDARP00000070445	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSDARG00000017340	ENSDARP00000006318	urotensin 2, beta [Source:ZFIN;Acc:ZDB-GENE-040630-10]	uts2b
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000093945	ENSDARP00000117667	VMA21 vacuolar H+-ATPase homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:22082]	VMA21
ENSDARG00000076373	ENSDARP00000102467	vesicular, overexpressed in cancer, prosurvival protein 1 [Source:ZFIN;Acc:ZDB-GENE-091204-64]	vopp1
ENSDARG00000038979	ENSDARP00000090355	vesicular, overexpressed in cancer, prosurvival protein 1 [Source:HGNC Symbol;Acc:HGNC:34518]	VOPP1
ENSDARG00000045003	ENSDARP00000066163	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSDARG00000079795	ENSDARP00000100883	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSDARG00000053386	ENSDARP00000069897	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSDARG00000023152	ENSDARP00000032408	WD repeat domain 73 [Source:ZFIN;Acc:ZDB-GENE-050417-126]	wdr73
ENSDARG00000058003	ENSDARP00000075234	WAP four-disulfide core domain 1 [Source:ZFIN;Acc:ZDB-GENE-070112-352]	wfdc1
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000092352	ENSDARP00000115981	wu:fa92h10 [Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07

ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000092222	ENSDARP00000120343	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000075205	ENSDARP00000128678	wu:fi04h01 [Source:ZFIN;Acc:ZDB-GENE-030131-5580]	wu:fi04h01
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000079755	ENSDARP00000099421	wu:fy63c09 [Source:ZFIN;Acc:ZDB-GENE-050302-146]	wu:fy63c09
ENSDARG00000020449	ENSDARP00000025545	Yip1 domain family, member 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6443]	yipf3
ENSDARG00000071163	ENSDARP00000123433	zgc:101806 [Source:ZFIN;Acc:ZDB-GENE-041010-148]	zgc:101806
ENSDARG00000070800	ENSDARP00000074710	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSDARG00000006588	ENSDARP00000035524	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983
ENSDARG00000070899	ENSDARP00000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000037739	ENSDARP00000054980	zgc:112980 [Source:ZFIN;Acc:ZDB-GENE-050306-1]	zgc:112980
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000059396	ENSDARP00000076942	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000056650	ENSDARP00000073631	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSDARG00000038271	ENSDARP00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000039099	ENSDARP00000057100	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG000000051793	ENSDARP00000067963	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSDARG00000042137	ENSDARP00000061763	zgc:113442 [Source:ZFIN;Acc:ZDB-GENE-050227-2]	zgc:113442
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000030440	ENSDARP00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000054837	ENSDARP00000071576	zgc:136870 [Source:ZFIN;Acc:ZDB-GENE-060312-1]	zgc:136870
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000045980	ENSDARP00000067593	zgc:153129 [Source:ZFIN;Acc:ZDB-GENE-061013-189]	zgc:153129
ENSDARG00000054054	ENSDARP00000070659	zgc:153219 [Source:ZFIN;Acc:ZDB-GENE-060929-144]	zgc:153219
ENSDARG00000060322	ENSDARP00000079311	zgc:153654 [Source:ZFIN;Acc:ZDB-GENE-060929-1102]	zgc:153654
ENSDARG00000071463	ENSDARP00000096454	zgc:154125 [Source:ZFIN;Acc:ZDB-GENE-061013-717]	zgc:154125
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000059679	ENSDARP00000077628	zgc:158343 [Source:ZFIN;Acc:ZDB-GENE-061201-9]	zgc:158343
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000068706	ENSDARP00000090242	zgc:158417 [Source:ZFIN;Acc:ZDB-GENE-061201-36]	zgc:158417
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000071808	ENSDARP00000097252	zgc:158852 [Source:ZFIN;Acc:ZDB-GENE-070112-972]	zgc:158852
ENSDARG00000095863	ENSDARP00000060821	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSDARG00000089286	ENSDARP00000111062	zgc:162193 [Source:ZFIN;Acc:ZDB-GENE-030131-2035]	zgc:162193
ENSDARG00000042620	ENSDARP00000062517	zgc:162356 [Source:ZFIN;Acc:ZDB-GENE-090507-1]	zgc:162356
ENSDARG00000070416	ENSDARP00000109902	zgc:162816 [Source:ZFIN;Acc:ZDB-GENE-070410-94]	zgc:162816
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000077741	ENSDARP00000099712	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F299]	ZGC:165551
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000078551	ENSDARP00000094055	zgc:171242 [Source:ZFIN;Acc:ZDB-GENE-071004-79]	zgc:171242
ENSDARG00000077248	ENSDARP00000103275	zgc:171459 [Source:ZFIN;Acc:ZDB-GENE-030131-2059]	zgc:171459
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000077493	ENSDARP00000096892	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000076721	ENSDARP00000075861	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000075626	ENSDARP00000102982	zgc:172090 [Source:ZFIN;Acc:ZDB-GENE-080204-40]	zgc:172090
ENSDARG00000076530	ENSDARP00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000039100	ENSDARP00000092867	zgc:172244 [Source:ZFIN;Acc:ZDB-GENE-080219-24]	zgc:172244
ENSDARG00000076958	ENSDARP00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260
ENSDARG00000074983	ENSDARP00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000094800	ENSDARP00000113408	zgc:173545 [Source:ZFIN;Acc:ZDB-GENE-080215-6]	zgc:173545
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000058260	ENSDARP00000075486	zgc:174160 [Source:ZFIN;Acc:ZDB-GENE-030131-6252]	zgc:174160

ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSDARG00000077110	ENSDARP00000100120	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSDARG00000087318	ENSDARP00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000074395	ENSDARP00000092570	zgc:174719 [Source:ZFIN;Acc:ZDB-GENE-080213-13]	zgc:174719
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000073820	ENSDARP00000099599	zgc:174917 [Source:ZFIN;Acc:ZDB-GENE-070928-42]	zgc:174917
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079255	ENSDARP00000124910	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000041727	ENSDARP00000070231	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000077775	ENSDARP00000102149	zgc:193681 [Source:ZFIN;Acc:ZDB-GENE-081022-24]	zgc:193681
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078423	ENSDARP00000102754	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000060049	ENSDARP00000078653	zgc:195075 [Source:ZFIN;Acc:ZDB-GENE-080723-70]	zgc:195075
ENSDARG00000077138	ENSDARP00000101660	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000045352	ENSDARP00000032643	zgc:56530 [Source:ZFIN;Acc:ZDB-GENE-040426-1065]	zgc:56530
ENSDARG00000075916	ENSDARP00000119811	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSDARG00000054999	ENSDARP00000071745	zgc:66475 [Source:ZFIN;Acc:ZDB-GENE-040426-1644]	zgc:66475
ENSDARG00000080732	ENSDARP00000021426	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSDARG00000032405	ENSDARP00000049169	zgc:85975 [Source:ZFIN;Acc:ZDB-GENE-040426-2417]	zgc:85975
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zfp1
ENSDARG00000057726	ENSDARP00000097342	zinc finger protein 185 (LIM domain) [Source:ZFIN;Acc:ZDB-GENE-061103-355]	zfp185
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000078164	ENSDARP00000096287	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	ZNF576
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000054574	ENSDARP00000071271	zinc finger, HIT-type containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-272]	znhit1
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000014500	ENSDARP00000011609	novel gene	ENSDARG00000014500
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000088556	ENSDARP00000126845	novel gene	ENSDARG00000088556
ENSDARG00000078130	ENSDARP00000129489	novel gene	ENSDARG00000078130

Supplemental table 7. Zebrafish specific genes compared to medaka

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000017049	ENSDARP00000022310	adenylosuccinate lyase [Source:ZFIN;Acc:ZDB-GENE-030131-6363]	adsl
ENSDARG00000069249	ENSDARP00000091403	aftiphilin a [Source:ZFIN;Acc:ZDB-GENE-030131-1437]	aftpha
ENSDARG00000071347	ENSDARP00000120759	aftiphilin b [Source:ZFIN;Acc:ZDB-GENE-060503-388]	aftphb
ENSDARG00000096339	ENSDARP00000100373	agrin [Source:ZFIN;Acc:ZDB-GENE-030131-1033]	agrn
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000091792	ENSDARP00000110410	A kinase (PRKA) anchor protein (gravin) 12a [Source:ZFIN;Acc:ZDB-GENE-110310-3]	akap12a
ENSDARG00000055678	ENSDARP00000103304	A kinase (PRKA) anchor protein (gravin) 12b [Source:ZFIN;Acc:ZDB-GENE-030131-9753]	akap12b
ENSDARG00000043843	ENSDARP00000064368	A kinase (PRKA) anchor protein 7 [Source:ZFIN;Acc:ZDB-GENE-040724-128]	akap7
ENSDARG00000079610	ENSDARP00000099073	A kinase (PRKA) anchor protein (yotiao) 9 [Source:ZFIN;Acc:ZDB-GENE-030131-7276]	akap9
ENSDARG00000087110	ENSDARP00000109274	AT-hook transcription factor [Source:HGNC Symbol;Acc:HGNC:24108]	AKNA
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000087204	ENSDARP00000111981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXQ1]	AL807829.1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ92]	AL928887.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2K1]	AL929520.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000074779	ENSDARP00000098408	Alstrom syndrome 1 [Source:HGNC Symbol;Acc:HGNC:428]	ALMS1
ENSDARG00000095819	ENSDARP00000129625	APC membrane recruitment protein 3 [Source:HGNC Symbol;Acc:HGNC:26771]	AMER3
ENSDARG00000089248	ENSDARP00000105587	archaelysin family metalloproteinase 2 [Source:HGNC Symbol;Acc:HGNC:28041]	AMZ2
ENSDARG00000060472	ENSDARP00000079682	anaphase promoting complex subunit 15 [Source:ZFIN;Acc:ZDB-GENE-060825-43]	anapc15
ENSDARG00000028804	ENSDARP00000049398	ankyrin repeat domain 9 [Source:ZFIN;Acc:ZDB-GENE-041114-3]	ankrd9
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000086579	ENSDARP00000126797	apratxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000092170	ENSDARP00000121190	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSDARG00000092155	ENSDARP00000112765	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSDARG00000097964	ENSDARP00000128681	Rho guanine nucleotide exchange factor (GEF) 33 [Source:HGNC Symbol;Acc:HGNC:37252]	ARHGEF33
ENSDARG00000061197	ENSDARP00000081470	armadillo repeat containing 7 [Source:ZFIN;Acc:ZDB-GENE-060929-288]	armc7
ENSDARG00000062258	ENSDARP00000115627	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000074757	ENSDARP00000102613	ARV1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-080204-35]	arv1
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSDARG00000087693	ENSDARP00000105610	ATX1 antioxidant protein 1 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-120720-2]	atox1
ENSDARG00000019404	ENSDARP00000022528	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit [Source:ZFIN;Acc:ZDB-GENE-030131-7649]	atp5d
ENSDARG00000095897	ENSDARP00000124085	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit [Source:ZFIN;Acc:ZDB-GENE-110411-22]	atp5e
ENSDARG00000077967	ENSDARP00000104105	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6 [Source:HGNC Symbol;Acc:HGNC:847]	ATP5J
ENSDARG00000063076	ENSDARP00000086283	ATR interacting protein [Source:ZFIN;Acc:ZDB-GENE-050208-331]	atrip
ENSDARG00000002894	ENSDARP00000010975	apoptosis, caspase activation inhibitor [Source:ZFIN;Acc:ZDB-GENE-041001-171]	aven
ENSDARG00000017316	ENSDARP00000111840	BCL2-associated athanogene 5 [Source:ZFIN;Acc:ZDB-GENE-050913-58]	bag5
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000071046	ENSDARP00000095567	BBSome interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-445]	bbip1
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000090625	ENSDARP00000107570	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:HGNC:13787]	BCL2L12
ENSDARG00000087413	ENSDARP00000108781	brain expressed, associated with NEDD4, 1 [Source:HGNC Symbol;Acc:HGNC:24160]	BEAN1
ENSDARG00000058978	ENSDARP00000076399	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSDARG00000076903	ENSDARP00000102763	BEN domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-090312-181]	bend3
ENSDARG00000074990	ENSDARP00000103790	BEN domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23815]	BEND4
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000058622	ENSDARP00000075956	biogenesis of lysosomal organelles complex-1, subunit 5, muted [Source:ZFIN;Acc:ZDB-GENE-030131-3502]	bloc1s5
ENSDARG00000041414	ENSDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000056247	ENSDARP00000072634	BRICHOS domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-050208-85]	bricd5
ENSDARG00000041974	ENSDARP00000061519	BRICK1, SCAR/WAVE actin-nucleating complex subunit [Source:HGNC Symbol;Acc:HGNC:23057]	BRK1
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000096095	ENSDARP00000125536	bucky ball [Source:ZFIN;Acc:ZDB-GENE-070117-694]	buc
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ99]	BX004828.1
ENSDARG0000007067	ENSDARP00000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3E7]	BX004857.1
ENSDARG00000078137	ENSDARP00000097825	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJQ5]	BX004857.3
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000055446	ENSDARP00000072273	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Y4]	BX004983.1

ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000086468	ENSDARP00000107283	chemokine CCL-CUE (LOC10000741), mRNA	[Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDARG00000077575	ENSDARP00000103142	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAH1]	BX005223.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F888]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000089146	ENSDARP00000110490	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8U7]	BX005223.4
ENSDARG00000089211	ENSDARP00000107426	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F356]	BX005223.5
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FOQ7]	BX005265.1
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVA5]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F964]	BX005193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY53]	BX088712.2
ENSDARG00000057542	ENSDARP00000125574	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:HOWFE2]	BX119963.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA	[Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088777	ENSDARP00000111584	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZP1]	BX248508.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000086419	ENSDARP00000107255	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F536]	BX284672.2
ENSDARG00000056449	ENSDARP00000073409	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXH3]	BX321875.1
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F8W5Q1]	BX322587.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHI0]	BX323010.1
ENSDARG00000091424	ENSDARP00000112305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEN7]	BX323035.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000089864	ENSDARP00000106907	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8N7]	BX323573.1
ENSDARG00000030778	ENSDARP00000040280	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBP5]	BX323854.2
ENSDARG00000089328	ENSDARP00000108841	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGB7]	BX323854.4
ENSDARG00000077309	ENSDARP00000101017	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCG6]	BX323861.1
ENSDARG00000090688	ENSDARP00000105752	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZH4]	BX323994.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA	[Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QBM6]	BX465187.1
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSP7]	BX469930.1
ENSDARG00000091543	ENSDARP00000112186	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FES9]	BX469930.2
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RN21]	BX470119.1
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000086932	ENSDARP00000106425	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QL22]	BX470224.1
ENSDARG00000087523	ENSDARP00000110555	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWT1]	BX470224.2
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000088966	ENSDARP00000100295	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RE31]	BX511034.1
ENSDARG00000087122	ENSDARP00000108005	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF1]	BX511061.2
ENSDARG00000055263	ENSDARP00000072062	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R883]	BX511172.1
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EDZ7]	BX530062.1
ENSDARG00000070208	ENSDARP00000093626	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1ROJ9]	BX530070.2
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000052294	ENSDARP00000068611	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FT15]	BX537277.1
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY68]	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000058110	ENSDARP00000075367	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBS3]	BX546499.1
ENSDARG00000092602	ENSDARP00000114151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ39]	BX546499.2
ENSDARG0000007305	ENSDARP00000100375	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RD92]	BX547930.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000052949	ENSDARP00000069387	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q9X3]	BX548047.1
ENSDARG00000094120	ENSDARP00000121241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC76]	BX548047.2
ENSDARG00000036085	ENSDARP00000032169	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZM3]	BX571811.1
ENSDARG00000095082	ENSDARP00000113618	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9H7]	BX571811.2
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTU8]	BX572078.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA	[Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4T9]	BX649524.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYI3]	BX897747.3
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1
ENSDARG00000053649	ENSDARP00000070181	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QPY2]	BX927082.1
ENSDARG00000089800	ENSDARP00000104769	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXZ8]	BX927237.2

ENSDARG00000071140	ENSDARP000000095736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP0000011181	BX936364.1	BX936364.1
ENSDARG00000088863	ENSDARP00000068505	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLE7]	BX936412.1
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBN0]	BX936450.1
ENSDARG00000070299	ENSDARP00000093799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXD0]	BX942819.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000057102	ENSDARP00000074158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDT2]	BX957274.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000068982	ENSDARP00000090764	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C10H11orf63
ENSDARG00000093498	ENSDARP00000098404	chromosome 5 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:25052]	C10H5orf30
ENSDARG00000092776	ENSDARP00000118420	chromosome 5 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:25801]	C10H5orf42
ENSDARG00000095594	ENSDARP00000116545	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40051]	C10H5orf63
ENSDARG00000076890	ENSDARP00000100958	chromosome 19 open reading frame 25 [Source:HGNC Symbol;Acc:HGNC:26711]	C11H19orf25
ENSDARG00000032885	ENSDARP00000046158	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Acc:HGNC:28567]	C11H1orf158
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H20orf96
ENSDARG00000086324	ENSDARP00000109297	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc:HGNC:25024]	C11H3orf14
ENSDARG00000086310	ENSDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H10orf107
ENSDARG00000096777	ENSDARP00000127203	chromosome 16 open reading frame 93 [Source:HGNC Symbol;Acc:HGNC:28078]	C12H16orf93
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSDARG00000053520	ENSDARP00000063437	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C12H7orf62
ENSDARG00000055070	ENSDARP00000071850	C10orf32-ASMT readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:49183]	C13H10orf32
ENSDARG00000069363	ENSDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H10orf53
ENSDARG00000079056	ENSDARP00000102078	chromosome 20 open reading frame 194 [Source:HGNC Symbol;Acc:HGNC:17721]	C13H20orf194
ENSDARG00000078140	ENSDARP00000101672	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]	C13H2orf50
ENSDARG00000089552	ENSDARP00000109836	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:26850]	C13H2orf61
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000037142	ENSDARP00000054005	chromosome 4 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:34346]	C14H4orf47
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14HXorf65
ENSDARG00000058254	ENSDARP00000075548	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30527]	C15H11orf53
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000091366	ENSDARP00000108496	chromosome 14 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:20127]	C17H14orf80
ENSDARG00000070461	ENSDARP00000094210	chromosome 15 open reading frame 41 [Source:HGNC Symbol;Acc:HGNC:26929]	C17H15orf41
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG00000041085	ENSDARP00000091551	C15orf38-AP3S2 readthrough [Source:HGNC Symbol;Acc:HGNC:38824]	C18H15orf38
ENSDARG00000026247	ENSDARP0000013334	chromosome 15 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:33753]	C18H15orf59
ENSDARG00000041560	ENSDARP00000085187	chromosome 16 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:29564]	C18H16orf70
ENSDARG00000070413	ENSDARP00000087698	chromosome 18 open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:28802]	C19H18orf21
ENSDARG00000074049	ENSDARP00000103805	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:27028]	C19H5orf49
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000043842	ENSDARP00000064364	chromosome 1 open reading frame 198 [Source:HGNC Symbol;Acc:HGNC:25900]	C20H1orf198
ENSDARG00000039491	ENSDARP00000057697	chromosome 20 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:15872]	C20H20orf26
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000071487	ENSDARP00000104440	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C21H18orf54
ENSDARG00000090747	ENSDARP00000104703	chromosome 5 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:20656]	C21H5orf15
ENSDARG00000044480	ENSDARP00000065317	chromosome X open reading frame 40A [Source:HGNC Symbol;Acc:HGNC:28089]	C21HXorf40A
ENSDARG00000071675	ENSDARP00000076340	chromosome 19 open reading frame 10 [Source:HGNC Symbol;Acc:HGNC:16948]	C22H19orf10
ENSDARG00000071325	ENSDARP00000096172	chromosome 19 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:28617]	C22H19orf26
ENSDARG00000090673	ENSDARP00000105589	chromosome 19 open reading frame 44 [Source:HGNC Symbol;Acc:HGNC:26141]	C22H19orf44
ENSDARG00000073867	ENSDARP00000102057	chromosome 19 open reading frame 60 [Source:HGNC Symbol;Acc:HGNC:26098]	C22H19orf60
ENSDARG00000071378	ENSDARP00000096258	chromosome 19 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33702]	C22H19orf70
ENSDARG00000071439	ENSDARP00000096390	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]	C22H1orf53
ENSDARG00000098029	ENSDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSDARG00000070868	ENSDARP00000083775	chromosome 1 open reading frame 192 [Source:HGNC Symbol;Acc:HGNC:32325]	C23H1orf192
ENSDARG00000019332	ENSDARP00000043608	chromosome 11 open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:28519]	C24H11orf65
ENSDARG00000038556	ENSDARP00000119789	chromosome 8 open reading frame 33 [Source:HGNC Symbol;Acc:HGNC:26104]	C24H8orf33
ENSDARG00000097630	ENSDARP00000128389	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:32235]	C24H8orf59
ENSDARG00000089139	ENSDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSDARG00000097208	ENSDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSDARG00000045797	ENSDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSDARG00000089687	ENSDARP00000129715	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C25H17orf105
ENSDARG00000076896	ENSDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C2H10orf67
ENSDARG00000089348	ENSDARP00000112438	chromosome 19 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:28617]	C2H19orf26
ENSDARG00000075345	ENSDARP00000102869	chromosome 16 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:28687]	C3H16orf89
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000096229	ENSDARP00000126050	chromosome 17 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:28460]	C3H17orf53
ENSDARG00000052176	ENSDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG00000013051	ENSDARP00000119025	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30527]	C5H11orf53
ENSDARG00000075714	ENSDARP00000122168	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C5H11orf88
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000088753	ENSDARP00000115560	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C5H4orf22
ENSDARG00000090068	ENSDARP00000104860	chromosome 9 open reading frame 117 [Source:HGNC Symbol;Acc:HGNC:27843]	C5H9orf117
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000068122	ENSDARP00000116312	chromosome 9 open reading frame 171 [Source:HGNC Symbol;Acc:HGNC:33776]	C5H9orf171
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9

ENSDARG00000075814	ENSDARP00000099890	chromosome 1 open reading frame 146 [Source:HGNC Symbol;Acc:HGNC:24032]	C6H1orf146
ENSDARG00000086336	ENSDARP00000128695	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C6H1orf159
ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]	C6H2orf58
ENSDARG00000052428	ENSDARP00000068770	chromosome 22 open reading frame 23 [Source:HGNC Symbol;Acc:HGNC:18589]	C6H2orf23
ENSDARG00000088717	ENSDARP00000105276	chromosome 2 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:24642]	C6H2orf40
ENSDARG00000039477	ENSDARP00000057676	chromosome 15 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28520]	C7H15orf43
ENSDARG00000034457	ENSDARP00000048622	chromosome 1 open reading frame 194 [Source:HGNC Symbol;Acc:HGNC:32331]	C8H1orf194
ENSDARG00000029859	ENSDARP00000099275	chromosome 1 open reading frame 228 [Source:HGNC Symbol;Acc:HGNC:34345]	C8H1orf228
ENSDARG00000093739	ENSDARP00000116725	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C9H17orf105
ENSDARG00000056087	ENSDARP00000072984	chromosome 2 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:24642]	C9H2orf40
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY7]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000090702	ENSDARP00000107976	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Q2]	CABZ01005649.2
ENSDARG00000091256	ENSDARP00000106404	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYG0]	CABZ01007829.1
ENSDARG00000086145	ENSDARP00000107773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0I4]	CABZ01010098.1
ENSDARG00000077668	ENSDARP00000104038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3L1]	CABZ01010103.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXW5]	CABZ01015787.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000090401	ENSDARP00000111760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP8]	CABZ01020840.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOX2]	CABZ01023601.1
ENSDARG00000089663	ENSDARP00000104495	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EEZ6]	CABZ01028296.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXCO]	CABZ01029900.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYM4]	CABZ01029902.2
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7I5]	CABZ01030107.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000086158	ENSDARP00000106577	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB60]	CABZ01031170.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCF7]	CABZ01031933.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRJ9]	CABZ01034702.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1
ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CABZ01038802.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000075335	ENSDARP00000098990	polymeric immunoglobulin receptor-like (LOC100003983), mRNA [Source:RefSeq mRNA;Acc:NM_001083878]	CABZ01040076.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01040423.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1	CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBV8]	CABZ01046425.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R900]	CABZ01046427.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FYP6]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1	CABZ01052573.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRS1]	CABZ01053196.1
ENSDARG00000090923	ENSDARP00000106342	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000088324	ENSDARP00000108704	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6J1]	CABZ01055343.2
ENSDARG00000088172	ENSDARP00000110603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QVC1]	CABZ01056518.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0I5]	CABZ01056821.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CABZ01058371.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CABZ01058871.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2F8]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1
ENSDARG00000079047	ENSDARP00000102812	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1H2]	CABZ01061496.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSS5]	CABZ01061508.1
ENSDARG00000087344	ENSDARP00000107031	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F175]	CABZ01061509.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086267	ENSDARP00000111718	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYU4]	CABZ01063556.1

ENSDARG00000089402	ENSDARP000000105234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Y9]	CABZ01063841.1
ENSDARG00000089125	ENSDARP000000110886	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F768]	CABZ01064012.1
ENSDARG0000007346	ENSDARP00000099878	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4N5]	CABZ01064799.1
ENSDARG00000063315	ENSDARP000000113345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CABZ01064968.1
ENSDARG00000089818	ENSDARP000000110175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CABZ01064968.2
ENSDARG00000090576	ENSDARP000000104820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY83]	CABZ01064968.3
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXS8]	CABZ01064972.2
ENSDARG00000091311	ENSDARP000000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZAG]	CABZ01064973.1
ENSDARG00000088253	ENSDARP000000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP000000109290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000090864	ENSDARP000000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP000000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000034063	ENSDARP00000020089	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED8]	CABZ01068208.1
ENSDARG00000090696	ENSDARP000000105179	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFD7]	CABZ01068272.1
ENSDARG00000087416	ENSDARP000000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP000000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000086531	ENSDARP000000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP000000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP000000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDF5]	CABZ01071911.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GX10]	CABZ01072487.1
ENSDARG00000090683	ENSDARP000000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP000000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP000000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000091208	ENSDARP00000030333	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F727]	CABZ01072585.1
ENSDARG00000087696	ENSDARP000000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP000000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090144	ENSDARP000000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000090143	ENSDARP000000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWMM4]	CABZ01074659.1
ENSDARG00000091743	ENSDARP000000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP000000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000090396	ENSDARP000000107917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F481]	CABZ01074946.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CABZ01075684.2
ENSDARG00000090161	ENSDARP000000104441	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ11]	CABZ01076078.1
ENSDARG00000088575	ENSDARP000000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000089720	ENSDARP000000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG0000009361	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F044]	CABZ01077220.1
ENSDARG00000089370	ENSDARP000000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBB6]	CABZ01077223.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000088417	ENSDARP000000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000090801	ENSDARP000000111828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGP0]	CABZ01078481.1
ENSDARG00000087009	ENSDARP000000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP000000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP000000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GX01]	CABZ01078610.1
ENSDARG00000091219	ENSDARP000000108311	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F858]	CABZ01078767.1
ENSDARG00000091137	ENSDARP000000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP000000110448	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP000000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000088988	ENSDARP000000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000089035	ENSDARP000000112012	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH40]	CABZ01080224.1
ENSDARG00000089798	ENSDARP000000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000087802	ENSDARP000000108867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGA9]	CABZ01080590.1
ENSDARG00000078664	ENSDARP000000102131	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY27]	CABZ01080599.1
ENSDARG00000087169	ENSDARP000000109045	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYU7]	CABZ01081375.1
ENSDARG00000089707	ENSDARP000000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYS7]	CABZ01081747.1
ENSDARG00000090529	ENSDARP000000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088793	ENSDARP000000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FES5]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000089451	ENSDARP000000108957	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F692]	CABZ01084846.1
ENSDARG00000059047	ENSDARP00000096958	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4R0]	CABZ01085069.1
ENSDARG00000087215	ENSDARP000000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000088304	ENSDARP000000110085	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000089041	ENSDARP000000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000086023	ENSDARP000000104637	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY11]	CABZ01088061.1
ENSDARG00000087183	ENSDARP000000111943	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000074942	ENSDARP000000103298	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9A9]	CABZ01088691.1
ENSDARG00000088306	ENSDARP000000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP000000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP000000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP000000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP000000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZS2]	CABZ01102076.1
ENSDARG00000090093	ENSDARP000000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1

ENSDARG00000091094	ENSDARP000000110820	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ0111604.1
ENSDARG00000088766	ENSDARP000000105151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000090333	ENSDARP000000107371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP000000105843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087737	ENSDARP000000107228	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000087888	ENSDARP000000108542	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP000000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP000000106556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089504	ENSDARP000000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP000000111887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000088869	ENSDARP000000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000090818	ENSDARP000000106524	calcium channel flower domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1365]	CACFD1
ENSDARG00000058486	ENSDARP00000075799	calcyphosine 2 [Source:ZFIN;Acc:ZDB-GENE-091204-449]	caps2
ENSDARG00000019950	ENSDARP000000118967	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000016815	ENSDARP000000104413	cancer susceptibility candidate 1 [Source:ZFIN;Acc:ZDB-GENE-041210-153]	cascl
ENSDARG00000029911	ENSDARP00000040064	cancer susceptibility candidate 3 [Source:ZFIN;Acc:ZDB-GENE-040308-2]	cascl3
ENSDARG00000015222	ENSDARP000000066977	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1 [Source:ZFIN;Acc:ZDB-GENE-040426-691]	cbll1
ENSDARG00000004318	ENSDARP000000009109	COBW domain containing [Source:ZFIN;Acc:ZDB-GENE-040426-2388]	cbwd
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103 [Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccdc103
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000069762	ENSDARP000000092547	coiled-coil domain containing 11 [Source:ZFIN;Acc:ZDB-GENE-060503-508]	ccdc11
ENSDARG00000066981	ENSDARP00000003379	coiled-coil domain containing 113 [Source:ZFIN;Acc:ZDB-GENE-041010-163]	ccdc113
ENSDARG00000015010	ENSDARP00000013307	coiled-coil domain containing 114 [Source:HGNC Symbol;Acc:HGNC:26560]	CCDC114
ENSDARG00000091872	ENSDARP000000121330	coiled-coil domain containing 117 [Source:HGNC Symbol;Acc:HGNC:26599]	CCDC117
ENSDARG00000056477	ENSDARP000000089271	coiled-coil domain containing 125 [Source:ZFIN;Acc:ZDB-GENE-060526-104]	ccdc125
ENSDARG00000090554	ENSDARP00000011939	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSDARG00000091927	ENSDARP000000059450	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000004794	ENSDARP0000001089536	coiled-coil domain containing 146 [Source:ZFIN;Acc:ZDB-GENE-041210-217]	ccdc146
ENSDARG00000090935	ENSDARP000000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000062978	ENSDARP00000080661	coiled-coil domain containing 151 [Source:ZFIN;Acc:ZDB-GENE-061013-787]	ccdc151
ENSDARG00000077161	ENSDARP000000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000056279	ENSDARP00000073207	coiled-coil domain containing 157 [Source:ZFIN;Acc:ZDB-GENE-030616-155]	ccdc157
ENSDARG00000045850	ENSDARP00000067379	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGNC:21239]	CCDC167
ENSDARG00000089570	ENSDARP000000122848	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSDARG00000016161	ENSDARP000000109073	coiled-coil domain containing 170 [Source:ZFIN;Acc:ZDB-GENE-070112-162]	ccdc170
ENSDARG00000039937	ENSDARP000000128177	coiled-coil domain containing 172 [Source:ZFIN;Acc:ZDB-GENE-090313-1]	ccdc172
ENSDARG00000089320	ENSDARP000000119277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSDARG00000090429	ENSDARP000000116840	coiled-coil domain containing 178 [Source:HGNC Symbol;Acc:HGNC:29588]	CCDC178
ENSDARG00000032372	ENSDARP000000106261	coiled-coil domain containing 180 [Source:HGNC Symbol;Acc:HGNC:29303]	CCDC180
ENSDARG00000086898	ENSDARP000000108444	Coiled-coil domain-containing protein 23 (ccdc23), mRNA [Source:RefSeq mRNA;Acc:NM_001202432]	CCDC23
ENSDARG00000038793	ENSDARP000000117032	coiled-coil domain containing 24 [Source:ZFIN;Acc:ZDB-GENE-050327-18]	ccdc24
ENSDARG00000051858	ENSDARP000000068063	coiled-coil domain containing 33 [Source:ZFIN;Acc:ZDB-GENE-101011-1]	ccdc33
ENSDARG00000003582	ENSDARP000000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP000000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000035550	ENSDARP00000051529	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccdc42b
ENSDARG00000089863	ENSDARP000000104714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY31]	CCDC57
ENSDARG00000071314	ENSDARP000000096141	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000052427	ENSDARP000000108853	coiled-coil domain containing 64B [Source:HGNC Symbol;Acc:HGNC:33584]	CCDC64B
ENSDARG00000017771	ENSDARP00000070338	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGNC:27709]	CCDC66
ENSDARG00000071570	ENSDARP000000118626	coiled-coil domain containing 71 [Source:HGNC Symbol;Acc:HGNC:25760]	CCDC71
ENSDARG00000093805	ENSDARP000000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccdc73
ENSDARG00000093026	ENSDARP000000120045	coiled-coil domain containing 74B [Source:HGNC Symbol;Acc:HGNC:25267]	CCDC74B
ENSDARG00000014432	ENSDARP00000014453	coiled-coil domain containing 77 [Source:ZFIN;Acc:ZDB-GENE-050913-54]	ccdc77
ENSDARG00000030095	ENSDARP000000042272	coiled-coil domain containing 78 [Source:ZFIN;Acc:ZDB-GENE-060301-1]	ccdc78
ENSDARG00000058587	ENSDARP00000075909	coiled-coil domain containing 79 [Source:ZFIN;Acc:ZDB-GENE-060503-732]	ccdc79
ENSDARG00000077179	ENSDARP000000103987	coiled-coil domain containing 83 [Source:ZFIN;Acc:ZDB-GENE-130723-1]	ccdc83
ENSDARG00000045683	ENSDARP000000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000035963	ENSDARP00000052200	coiled-coil domain containing 96 [Source:ZFIN;Acc:ZDB-GENE-081022-156]	ccdc96
ENSDARG00000092464	ENSDARP000000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000039351	ENSDARP000000114954	chemokine (C-C motif) ligand 19 [Source:ZFIN;Acc:ZDB-GENE-091204-19]	cc19
ENSDARG00000039328	ENSDARP000000057465	cyclin D-type binding-protein 1 [Source:HGNC Symbol;Acc:HGNC:1587]	CNDBP1
ENSDARG00000086359	ENSDARP000000106082	centriolar coiled coil protein 110kDa [Source:HGNC Symbol;Acc:HGNC:24342]	CCP110
ENSDARG00000075919	ENSDARP000000113027	coiled-coil serine-rich protein 1 [Source:HGNC Symbol;Acc:HGNC:29349]	CCSER1
ENSDARG00000091535	ENSDARP000000111750	coiled-coil serine-rich protein 2 [Source:ZFIN;Acc:ZDB-GENE-121214-220]	cser2
ENSDARG00000087749	ENSDARP000000109178	coiled-coil serine-rich protein 2 [Source:HGNC Symbol;Acc:HGNC:29197]	CCSER2
ENSDARG00000013628	ENSDARP00000002468	CD164 molecule, sialomucin [Source:ZFIN;Acc:ZDB-GENE-030131-1598]	cd164
ENSDARG00000096327	ENSDARP000000126071	CD164 sialomucin-like 2 [Source:ZFIN;Acc:ZDB-GENE-120215-174]	cd164l2
ENSDARG00000077240	ENSDARP000000114499	CD247 antigen like [Source:ZFIN;Acc:ZDB-GENE-070508-2]	cd247l
ENSDARG00000037473	ENSDARP000000123803	CD79a molecule, immunoglobulin-associated alpha [Source:ZFIN;Acc:ZDB-GENE-100922-201]	cd79a
		cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-1309]	cdc73
ENSDARG00000020201	ENSDARP000000129750		CDCA2
ENSDARG00000068759	ENSDARP000000090340	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]	cenph
ENSDARG00000094892	ENSDARP000000123314	centromere protein H [Source:ZFIN;Acc:ZDB-GENE-081104-340]	cenpo
ENSDARG00000075619	ENSDARP000000129490	centromere protein O [Source:ZFIN;Acc:ZDB-GENE-070928-16]	cenpp
ENSDARG00000044135	ENSDARP000000064804	centromere protein P [Source:ZFIN;Acc:ZDB-GENE-040801-74]	cenpu
ENSDARG00000088924	ENSDARP000000106330	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	CENPU
ENSDARG00000060361	ENSDARP000000116117	centrosomal protein 104 [Source:ZFIN;Acc:ZDB-GENE-060503-195]	cep104
ENSDARG00000039411	ENSDARP000000110117	centrosomal protein 68 [Source:ZFIN;Acc:ZDB-GENE-030616-565]	cep68

ENSDARG00000029100	ENSDARP000000091714	coiled-coil-helix-coiled-coil-helix domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-060810-176]	chchd1
ENSDARG000000091754	ENSDARP000000111012	coiled-coil-helix-coiled-coil-helix domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17840]	CHCHD5
ENSDARG000000068156	ENSDARP000000089144	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-080204-55]	chchd7
ENSDARG000000076500	ENSDARP000000101923	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSDARG000000007971	ENSDARP000000003357	CDC28 protein kinase regulatory subunit 1B [Source:ZFIN;Acc:ZDB-GENE-040801-112]	cks1b
ENSDARG000000071410	ENSDARP000000096323	CDC28 protein kinase regulatory subunit 2 [Source:ZFIN;Acc:ZDB-GENE-050208-508]	cks2
ENSDARG00000016290	ENSDARP000000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSDARG00000079368	ENSDARP000000100579	claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]	CLDN18
ENSDARG000000087655	ENSDARP000000106337	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSDARG000000043635	ENSDARP000000064075	COX assembly mitochondrial protein 2 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030616-409]	cmc2
ENSDARG000000097030	ENSDARP000000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000005527	ENSDARP000000108611	calymmin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG000000086283	ENSDARP000000106171	consortin, connexin sorting protein a [Source:ZFIN;Acc:ZDB-GENE-120917-3]	cnsta
ENSDARG000000042759	ENSDARP000000062760	consortin, connexin sorting protein b [Source:ZFIN;Acc:ZDB-GENE-041001-189]	cnstb
ENSDARG000000074662	ENSDARP000000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG000000094833	ENSDARP000000119256	cytochrome C oxidase assembly factor 5 [Source:ZFIN;Acc:ZDB-GENE-060825-53]	coa5
ENSDARG000000091006	ENSDARP000000108248	cordón-bleu homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-091020-11]	cobl
ENSDARG000000095339	ENSDARP000000118872	collagen, type XXIII, alpha 1 [Source:HGNC Symbol;Acc:HGNC:22990]	COL23A1
ENSDARG000000069857	ENSDARP000000031743	coenzyme Q3 homolog, methyltransferase (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-364]	coq3
ENSDARG000000092124	ENSDARP000000117013	cytochrome c oxidase assembly homolog 14 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14
ENSDARG000000063882	ENSDARP000000093941	cytochrome c oxidase assembly homolog 19 (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:28074]	COX19
ENSDARG000000045747	ENSDARP000000116630	cadherin-like and PC-esterase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-041210-247]	cped1
ENSDARG000000096720	ENSDARP000000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG000000088059	ENSDARP000000112079	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGE4]	CR293520.1
ENSDARG000000090475	ENSDARP000000096963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG000000092582	ENSDARP000000121849	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG000000091600	ENSDARP000000111240	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK00]	CR352229.1
ENSDARG000000091741	ENSDARP000000107415	CR354382.1	CR354382.1
ENSDARG00000019318	ENSDARP000000054055	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QA12]	CR354540.2
ENSDARG000000086857	ENSDARP000000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG000000091062	ENSDARP000000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG000000078583	ENSDARP000000104080	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6E1]	CR376825.1
ENSDARG000000079364	ENSDARP000000100045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAQ9]	CR377211.1
ENSDARG000000091818	ENSDARP000000111202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F344]	CR381544.1
ENSDARG000000094027	ENSDARP000000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG000000076336	ENSDARP000000101984	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDU3]	CR381673.1
ENSDARG000000087818	ENSDARP000000112224	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7B1]	CR381673.2
ENSDARG000000088964	ENSDARP000000104529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG000000088229	ENSDARP000000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG000000022620	ENSDARP000000029205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7B3]	CR384075.1
ENSDARG000000090754	ENSDARP000000104690	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYF1]	CR384075.2
ENSDARG000000068742	ENSDARP000000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG000000044212	ENSDARP000000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG000000054974	ENSDARP000000071724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXH1]	CR388087.1
ENSDARG000000089959	ENSDARP000000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG000000089819	ENSDARP000000111121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG000000078099	ENSDARP000000102776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDK0]	CR391991.1
ENSDARG000000091817	ENSDARP000000112416	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG000000087872	ENSDARP000000111692	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJN5]	CR392330.1
ENSDARG000000094383	ENSDARP000000106059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA55]	CR392330.2
ENSDARG000000089454	ENSDARP000000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY58]	CR392364.1
ENSDARG000000089998	ENSDARP000000098603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG000000070274	ENSDARP000000126382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K7DY55]	CR407594.1
ENSDARG000000077415	ENSDARP000000072703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG000000089692	ENSDARP000000106037	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QC09]	CR450686.2
ENSDARG000000088628	ENSDARP000000111793	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG000000090899	ENSDARP000000107370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4D5]	CR450711.2
ENSDARG000000079337	ENSDARP000000100718	chemokine CCL-CUJ (LOC100216314), mRNA [Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG000000087935	ENSDARP000000108855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG000000090837	ENSDARP000000109371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJP4]	CR545469.1
ENSDARG000000071135	ENSDARP000000095731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCY7]	CR547131.1
ENSDARG000000088771	ENSDARP000000111766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ54]	CR548627.1
ENSDARG000000088329	ENSDARP000000107872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9D5]	CR556710.1
ENSDARG000000091468	ENSDARP000000110790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG000000091274	ENSDARP000000108117	CR626886.1	CR626886.1
ENSDARG000000087643	ENSDARP000000111236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG000000090879	ENSDARP000000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG000000038111	ENSDARP000000055561	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R094]	CR788316.1
ENSDARG000000073836	ENSDARP000000097680	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6B6]	CR788316.2
ENSDARG000000087514	ENSDARP000000104790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9YG82]	CR792415.3
ENSDARG000000088288	ENSDARP000000106593	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG000000089694	ENSDARP000000105755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZH3]	CR792453.2
ENSDARG000000091443	ENSDARP000000110763	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT15]	CR792453.3
ENSDARG000000070813	ENSDARP000000070409	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG000000089762	ENSDARP000000105212	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FSZ9]	CR848833.1
ENSDARG000000090480	ENSDARP000000109633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG000000089990	ENSDARP000000108352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG000000077886	ENSDARP000000101158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG000000070872	ENSDARP000000095174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBF0]	CR855393.1

ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-06010-3]	crb3b
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000074992	ENSDARP00000098033	Putative class I cytokine receptor 31.2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A8WHA2]	CRFA31.2
ENSDARG00000075181	ENSDARP00000090421	cytokine receptor family member B16 [Source:ZFIN;Acc:ZDB-GENE-071120-9]	crfb16
ENSDARG00000067795	ENSDARP00000088418	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSDARG00000062817	ENSDARP00000085662	crystallin, mu [Source:ZFIN;Acc:ZDB-GENE-070112-1782]	crym
ENSDARG00000075343	ENSDARP00000101884	colony stimulating factor 1a (macrophage) [Source:ZFIN;Acc:ZDB-GENE-080204-107]	csf1a
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000058950	ENSDARP00000076357	centrosome and spindle pole associated protein 1 [Source:HGNC Symbol;Acc:HGNC:26193]	CSPP1
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000068569	ENSDARP00000089983	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9E7]	CT027576.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000076948	ENSDARP00000099460	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXX3]	CT027690.3
ENSDARG00000089116	ENSDARP00000110491	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ34]	CT027690.4
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N5]	CT027754.1
ENSDARG00000089112	ENSDARP00000104670	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY3]	CT027800.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000089071	ENSDARP00000109086	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1E7]	CT573239.1
ENSDARG00000078927	ENSDARP00000103412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q741]	CT573252.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1ROC8]	CT573393.1
ENSDARG00000059103	ENSDARP00000053655	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFJ5]	CT573787.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QB3]	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9P5]	CT827808.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000075807	ENSDARP00000099340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBR2]	CT867973.1
ENSDARG00000038568	ENSDARP00000056303	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F456]	CT955963.1
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD89]	CT963086.1
ENSDARG00000076466	ENSDARP00000102289	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0M7]	CT990569.2
ENSDARG00000070119	ENSDARP00000093415	CTS telomere maintenance complex component 1 [Source:ZFIN;Acc:ZDB-GENE-061103-271]	ctc1
ENSDARG00000038954	ENSDARP00000056864	catenin, beta interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-000906-3]	ctnbnip1
ENSDARG00000051851	ENSDARP00000068045	cytosolic thiouridylase subunit 2 homolog (S. pombe) [Source:ZFIN;Acc:ZDB-GENE-040801-79]	ctu2
ENSDARG00000090332	ENSDARP00000110744	cortixin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000045823	ENSDARP00000067352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXX9]	CU041386.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000087751	ENSDARP00000106101	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB2V]	CU210890.1
ENSDARG00000091288	ENSDARP00000110921	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6X1]	CU302202.1
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000054527	ENSDARP00000071204	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLT8]	CU459094.1
ENSDARG00000087237	ENSDARP00000107926	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F470]	CU463231.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000095493	ENSDARP00000114676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI08]	CU570881.3
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHL5]	CU570889.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDARG00000042583	ENSDARP00000092898	III-FBPL precursor (LOC799904), mRNA [Source:RefSeq mRNA;Acc:NM_001083874]	CU596012.1
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC100000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000042580	ENSDARP00000062453	uncharacterized LOC100000126 (v-fbpl), mRNA [Source:RefSeq mRNA;Acc:NM_001130075]	CU638737.1
ENSDARG00000086704	ENSDARP00000107408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3T2]	CU638740.3
ENSDARG00000089383	ENSDARP00000105999	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7Z2E6]	CU652893.1
ENSDARG00000086452	ENSDARP00000111660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E274]	CU672227.1

ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QN87]	CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000079143	ENSDARP00000105303	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFY0]	CU694324.1
ENSDARG00000088365	ENSDARP00000105615	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU695117.1
ENSDARG00000088017	ENSDARP00000096399	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2T4]	CU855732.1
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5S5]	CU855780.1
ENSDARG00000074630	ENSDARP00000102039	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2D4]	CU856207.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUJ30]	CU861891.1
ENSDARG00000043033	ENSDARP00000108777	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUF5]	CU896691.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDARG00000085753	ENSDARP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000039888	ENSDARP00000058347	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3F6]	CU929499.1
ENSDARG00000089324	ENSDARP00000109275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU929506.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1I4]	CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl-c1c
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c5c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cyb5d1
ENSDARG00000056007	ENSDARP00000072883	cytochrome b5 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-173]	CV9_scaffold3516Hoxrf58
ENSDARG00000086728	ENSDARP00000106158	chromosome X open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:26356]	DACT3
ENSDARG00000087910	ENSDARP00000087910	dishevelled-binding antagonist of beta-catenin 3 [Source:HGNC Symbol;Acc:HGNC:30745]	dap
ENSDARG00000000069	ENSDARP00000000070	death associated protein [Source:ZFIN;Acc:ZDB-GENE-000511-3]	dap1b
ENSDARG00000036895	ENSDARP00000053567	death associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-000511-4]	DBNDD1
ENSDARG00000090108	ENSDARP00000104905	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28455]	dbp1
ENSDARG00000056923	ENSDARP00000073957	debranching enzyme homolog 1 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-2466]	dct1
ENSDARG00000056077	ENSDARP00000124288	DC-STAMP domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070809-5]	ddrgk1
ENSDARG00000037172	ENSDARP00000054056	DDRKG domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1050]	def8
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	defb1
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb2
ENSDARG00000096380	ENSDARP00000125973	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb3
ENSDARG00000097181	ENSDARP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]	dexi
ENSDARG00000055474	ENSDARP00000072301	dexamethasone-induced transcript [Source:ZFIN;Acc:ZDB-GENE-040808-20]	DKGQ
ENSDARG00000086375	ENSDARP00000108228	diacylglycerol kinase, theta 110kDa [Source:HGNC Symbol;Acc:HGNC:2856]	dicp1.1
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	DLEU7
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	dolk
ENSDARG00000076991	ENSDARP00000099663	dolichol kinase [Source:ZFIN;Acc:ZDB-GENE-070410-59]	dpdc
ENSDARG00000060501	ENSDARP00000079744	deleted in a mouse model of primary ciliary dyskinesia [Source:ZFIN;Acc:ZDB-GENE-060825-166]	dph3
ENSDARG00000043360	ENSDARP00000063643	diphthamide biosynthesis 3 [Source:ZFIN;Acc:ZDB-GENE-050522-545]	draxin
ENSDARG00000058256	ENSDARP00000075541	dorsal inhibitory axon guidance protein [Source:ZFIN;Acc:ZDB-GENE-050913-20]	DRAXIN
ENSDARG00000087681	ENSDARP00000108787	dorsal inhibitory axon guidance protein [Source:HGNC Symbol;Acc:HGNC:25054]	drc1
ENSDARG00000042182	ENSDARP00000061828	dynein regulatory complex subunit 1 homolog (Chlamydomonas) [Source:ZFIN;Acc:ZDB-GENE-041001-218]	dub
ENSDARG00000059774	ENSDARP00000077884	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	DYDC2
ENSDARG00000091663	ENSDARP00000108192	DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23468]	eccscr
ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	edf1
ENSDARG00000099500	ENSDARP00000026769	endothelial differentiation-related factor 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1710]	EFCAB6
ENSDARG00000042937	ENSDARP00000098468	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HGNC:24204]	elna
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elnb
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	enthd2
ENSDARG00000071406	ENSDARP00000096307	ENTH domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-100716-1]	epsti1
ENSDARG00000094578	ENSDARP00000115913	epithelial stromal interaction 1 [Source:ZFIN;Acc:ZDB-GENE-081104-172]	ERIC2
ENSDARG00000090936	ENSDARP00000106252	glutamate-rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]	exd1
ENSDARG00000067759	ENSDARP00000112189	exonuclease 3'-5' domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-060825-267]	EXOS
ENSDARG00000042727	ENSDARP00000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	fah
ENSDARG00000039743	ENSDARP00000058083	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:ZFIN;Acc:ZDB-GENE-030131-1091]	fam113
ENSDARG00000026885	ENSDARP00000003320	family with sequence similarity 113 [Source:ZFIN;Acc:ZDB-GENE-041212-23]	fam154b
ENSDARG00000006474	ENSDARP00000053859	family with sequence similarity 154, member B [Source:ZFIN;Acc:ZDB-GENE-051127-27]	fam166b
ENSDARG00000078871	ENSDARP00000099646	family with sequence similarity 166, member B [Source:ZFIN;Acc:ZDB-GENE-070209-41]	fam169aa
ENSDARG00000059719	ENSDARP000000088237	family with sequence similarity 169, member Aa [Source:ZFIN;Acc:ZDB-GENE-060825-117]	fam169ab
ENSDARG00000004177	ENSDARP00000107869	family with sequence similarity 169, member Ab [Source:ZFIN;Acc:ZDB-GENE-091118-95]	fam169b
ENSDARG00000069321	ENSDARP00000091549	family with sequence similarity 169, member B [Source:ZFIN;Acc:ZDB-GENE-050419-217]	fam174b
ENSDARG00000068709	ENSDARP00000123345	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam178a
ENSDARG00000003328	ENSDARP00000058064	family with sequence similarity 178, member A [Source:ZFIN;Acc:ZDB-GENE-081107-61]	FAM183B
ENSDARG00000087144	ENSDARP00000110223	family with sequence similarity 183, member B [Source:HGNC Symbol;Acc:HGNC:34511]	fam184a
ENSDARG00000014081	ENSDARP00000122466	family with sequence similarity 184, member A [Source:ZFIN;Acc:ZDB-GENE-041014-214]	FAM184A
ENSDARG00000026355	ENSDARP00000025098	family with sequence similarity 184, member A [Source:HGNC Symbol;Acc:HGNC:20991]	fam184b
ENSDARG00000055099	ENSDARP00000071861	family with sequence similarity 184, member B [Source:ZFIN;Acc:ZDB-GENE-090313-380]	fam221a
ENSDARG00000027599	ENSDARP00000034455	family with sequence similarity 221, member A [Source:ZFIN;Acc:ZDB-GENE-050320-27]	fam221a
ENSDARG00000042936	ENSDARP00000030303	family with sequence similarity 228, member A [Source:ZFIN;Acc:ZDB-GENE-041014-83]	fam60al
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	FAM81B
ENSDARG00000035193	ENSDARP00000050978	family with sequence similarity 81, member B [Source:HGNC Symbol;Acc:HGNC:26335]	FANCD2/FANCI-associated nuclease 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6225]
ENSDARG00000062269	ENSDARP00000084286	FANCD2/FANCI-associated nuclease 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6225]	FANCA
ENSDARG00000070216	ENSDARP00000005795	Fanconi anemia, complementation group A [Source:HGNC Symbol;Acc:HGNC:3582]	

ENSDARG0000005232	ENSDARP00000089800	Fanconi anemia, complementation group C [Source:ZFIN;Acc:ZDB-GENE-060510-2]	fanc
ENSDARG00000054222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8 [Source:ZFIN;Acc:ZDB-GENE-051120-81]	fbxl8
ENSDARG00000062983	ENSDARP00000086063	F-box protein, helicase, 18 [Source:ZFIN;Acc:ZDB-GENE-041210-99]	fbxo18
ENSDARG00000010662	ENSDARP00000028616	F-box protein 36a [Source:ZFIN;Acc:ZDB-GENE-060929-986]	fbxo36a
ENSDARG00000039152	ENSDARP000000116692	F-box protein 36b [Source:ZFIN;Acc:ZDB-GENE-060825-271]	fbxo36b
ENSDARG00000088801	ENSDARP000000105158	FYVE, RhoGEF and PH domain containing 5a [Source:ZFIN;Acc:ZDB-GENE-090428-3]	fgd5a
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]	FHAD1
ENSDARG00000068850	ENSDARP00000090488	fragile histidine triad gene [Source:ZFIN;Acc:ZDB-GENE-040426-1703]	fhit
ENSDARG00000056464	ENSDARP00000073429	fat storage-inducing transmembrane protein 1 [Source:ZFIN;Acc:ZDB-GENE-050306-28]	fitm1
ENSDARG00000076417	ENSDARP00000090222	folliculin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:29418]	FNIP1
ENSDARG00000077648	ENSDARP000000100755	folliculin interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:29280]	FNIP2
ENSDARG00000087620	ENSDARP000000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000093910	ENSDARP000000120136	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QH16]	FP015791.1
ENSDARG00000087912	ENSDARP000000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E273]	FP016176.1
ENSDARG00000087256	ENSDARP000000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F886]	FP016207.1
ENSDARG00000090390	ENSDARP000000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F253]	FP017194.1
ENSDARG00000091643	ENSDARP000000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089269	ENSDARP000000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000086113	ENSDARP000000106682	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA29]	FP236789.1
ENSDARG00000087434	ENSDARP000000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0LO]	FP236789.2
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXP4]	FP245465.2
ENSDARG00000091199	ENSDARP000000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000090139	ENSDARP000000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E243]	FP245472.1
ENSDARG00000086216	ENSDARP000000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP000000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsjp1
ENSDARG00000094764	ENSDARP000000115522	FYN binding protein [Source:HGNC Symbol;Acc:HGNC:4036]	FYB
ENSDARG00000040059	ENSDARP00000058586	glycogen synthase kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-990714-7]	gbp
ENSDARG00000089310	ENSDARP000000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSDARG00000045541	ENSDARP00000019404	GRIP and coiled-coil domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040801-118]	gcc1
ENSDARG00000090806	ENSDARP000000106322	gem (nuclear organelle) associated protein 6 [Source:HGNC Symbol;Acc:HGNC:20044]	GEMING6
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000068719	ENSDARP00000090270	geminin coiled-coil domain containing [Source:ZFIN;Acc:ZDB-GENE-121211-1]	gmnc
ENSDARG00000092148	ENSDARP000000115676	G protein-coupled bile acid receptor 1 [Source:HGNC Symbol;Acc:HGNC:19680]	GPBAR1
ENSDARG00000038700	ENSDARP00000056518	G protein-coupled receptor 160 [Source:ZFIN;Acc:ZDB-GENE-081022-189]	gpr160
ENSDARG00000086973	ENSDARP000000108308	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]	GPRIN1
ENSDARG00000075043	ENSDARP000000100162	GPRIN family member 3 [Source:HGNC Symbol;Acc:HGNC:27733]	GPRIN3
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000043074	ENSDARP00000063243	gastrin-releasing peptide [Source:ZFIN;Acc:ZDB-GENE-060526-117]	grp
ENSDARG00000045481	ENSDARP00000066890	gamma-secretase activating protein [Source:ZFIN;Acc:ZDB-GENE-041210-216]	gsap
ENSDARG00000075301	ENSDARP000000104184	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSDARG00000056099	ENSDARP00000072996	general transcription factor IIH, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041001-144]	gtf2h5
ENSDARG00000075033	ENSDARP000000101684	GTP-binding protein 8 (putative) [Source:HGNC Symbol;Acc:HGNC:25007]	GTPBP8
ENSDARG00000054058	ENSDARP000000707677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000076487	ENSDARP00000091014	3-hydroxyanthranilate 3,4-dioxygenase [Source:ZFIN;Acc:ZDB-GENE-041114-89]	haao
ENSDARG00000036781	ENSDARP00000053407	HAUS augmin-like complex, subunit 2 [Source:HGNC Symbol;Acc:HGNC:25530]	HAUS2
ENSDARG00000036764	ENSDARP00000053379	HCLS1 associated protein X-1 [Source:ZFIN;Acc:ZDB-GENE-040718-26]	hax1
ENSDARG00000092074	ENSDARP000000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000090753	ENSDARP000000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	helb
ENSDARG00000087842	ENSDARP000000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HLHA1
ENSDARG00000077445	ENSDARP00000006379	huntingtin interacting protein 1 related a [Source:ZFIN;Acc:ZDB-GENE-040718-71]	hitp1ra
ENSDARG00000038408	ENSDARP00000056045	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmg1b
ENSDARG00000069912	ENSDARP000000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSDARG00000093817	ENSDARP000000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2n
ENSDARG00000091401	ENSDARP000000111876	HMG box domain containing 4b [Source:ZFIN;Acc:ZDB-GENE-030131-450]	hmgxb4b
ENSDARG00000089368	ENSDARP000000112208	HOP homeobox [Source:ZFIN;Acc:ZDB-GENE-031016-2]	hopx
ENSDARG00000095807	ENSDARP000000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000045947	ENSDARP000000126909	histidine rich calcium binding protein [Source:HGNC Symbol;Acc:HGNC:5178]	HRC
ENSDARG00000067777	ENSDARP00000088395	heat shock protein family B (small), member 11 [Source:HGNC Symbol;Acc:HGNC:25019]	HSPB11
ENSDARG00000087665	ENSDARP000000111674	heat shock protein, alpha-crystallin-related, b12 [Source:ZFIN;Acc:ZDB-GENE-030131-2741]	hspb12
ENSDARG00000074341	ENSDARP000000104064	hydroxyllysine kinase [Source:HGNC Symbol;Acc:HGNC:34403]	HYKK
ENSDARG00000062904	ENSDARP00000085896	iduronidase, alpha-L [Source:ZFIN;Acc:ZDB-GENE-060526-29]	idua
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP000000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000087131	ENSDARP000000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnphi2
ENSDARG00000070676	ENSDARP00000094768	interferon phi 3 [Source:ZFIN;Acc:ZDB-GENE-071128-2]	ifnphi3
ENSDARG00000091391	ENSDARP000000105715	Intraflagellar transport protein 43 homolog [Source:UniProtKB/Swiss-Prot;Acc:E7F555]	IFT43
ENSDARG00000011240	ENSDARP00000083038	intraflagellar transport protein 46 [Source:ZFIN;Acc:ZDB-GENE-080102-3]	ift46
ENSDARG00000091650	ENSDARP000000111941	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSDARG00000096236	ENSDARP000000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP000000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP000000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP000000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP000000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3

ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000091281	ENSDARP00000108418	immunoglobulin lambda-like polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:5870]	IGLL1
ENSDARG00000078520	ENSDARP00000110236	IKKBK interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBIP
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000077743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000043934	ENSDARP00000064512	interleukin 17a/f2 [Source:ZFIN;Acc:ZDB-GENE-061031-2]	il17a/f2
ENSDARG00000093311	ENSDARP00000116240	interleukin 17 receptor A2 [Source:ZFIN;Acc:ZDB-GENE-060503-869]	il17ra2
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000031051	ENSDARP00000102530	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSDARG00000078970	ENSDARP00000119705	interleukin 7 receptor [Source:ZFIN;Acc:ZDB-GENE-080110-7]	il7r
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000039070	ENSDARP00000057052	im:7138239 [Source:ZFIN;Acc:ZDB-GENE-081007-2]	im:7138239
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000035551	ENSDARP00000051530	IQ motif containing D [Source:ZFIN;Acc:ZDB-GENE-060526-200]	iqcd
ENSDARG00000068678	ENSDARP00000090196	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	IQCG
ENSDARG00000015476	ENSDARP00000074143	IQ motif containing H [Source:ZFIN;Acc:ZDB-GENE-050419-242]	iqch
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000076831	ENSDARP00000102959	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSDARG00000070317	ENSDARP00000080736	immunity-related GTPase family, e4 [Source:ZFIN;Acc:ZDB-GENE-051212-2]	irge4
ENSDARG00000070774	ENSDARP00000094995	immunity-related GTPase family, f1 [Source:ZFIN;Acc:ZDB-GENE-051212-5]	irgf1
ENSDARG00000092249	ENSDARP00000120149	immunity-related GTPase family, f2 [Source:ZFIN;Acc:ZDB-GENE-060503-460]	irgf2
ENSDARG00000062820	ENSDARP00000085670	immunity-related GTPase family, f3 [Source:ZFIN;Acc:ZDB-GENE-051212-6]	irgf3
ENSDARG00000086847	ENSDARP00000128485	immunity-related GTPase family, q1 [Source:ZFIN;Acc:ZDB-GENE-051212-3]	irgf1
ENSDARG00000068657	ENSDARP00000090165	immunity-related GTPase family, q2 [Source:ZFIN;Acc:ZDB-GENE-051212-7]	irgq2
ENSDARG00000007534	ENSDARP00000110426	intelectin 1 [Source:ZFIN;Acc:ZDB-GENE-060929-564]	itln1
ENSDARG00000036084	ENSDARP00000052386	intelectin 2 [Source:ZFIN;Acc:ZDB-GENE-050411-58]	itln2
ENSDARG00000003523	ENSDARP00000114852	intelectin 3 [Source:ZFIN;Acc:ZDB-GENE-090527-4]	itln3
ENSDARG00000053630	ENSDARP00000070650	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F413]	ITLN4
ENSDARG00000057529	ENSDARP00000074674	inosine triphosphatase (nucleoside triphosphate pyrophosphatase) [Source:ZFIN;Acc:ZDB-GENE-070705-218]	itpa
ENSDARG00000091913	ENSDARP00000117895	inosine triphosphatase (nucleoside triphosphate pyrophosphatase) [Source:HGNC Symbol;Acc:HGNC:6176]	ITPA
ENSDARG00000094444	ENSDARP00000112777	iodotyrosine deiodinase [Source:ZFIN;Acc:ZDB-GENE-090313-311]	iyd
ENSDARG00000076056	ENSDARP00000101952	iodotyrosine deiodinase [Source:HGNC Symbol;Acc:HGNC:21071]	IYD
ENSDARG00000070150	ENSDARP00000093477	jumping translocation breakpoint [Source:ZFIN;Acc:ZDB-GENE-060503-674]	jtb
ENSDARG00000068257	ENSDARP00000089392	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSDARG00000088588	ENSDARP00000109233	keratinocyte differentiation factor 1 [Source:HGNC Symbol;Acc:HGNC:26624]	KDF1
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077985	ENSDARP00000098871	kisspeptin 2 [Source:ZFIN;Acc:ZDB-GENE-090526-1]	kiss2
ENSDARG00000070386	ENSDARP00000093996	keratinocyte associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-060825-91]	krtcap2
ENSDARG00000074036	ENSDARP00000097688	kyphoscoliosis peptidase [Source:ZFIN;Acc:ZDB-GENE-090313-64]	kyd
ENSDARG00000096343	ENSDARP00000126026	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	KYNU
ENSDARG00000094801	ENSDARP00000117579	l(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	l3mbt1
ENSDARG00000022698	ENSDARP00000030814	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSDARG00000076464	ENSDARP00000103059	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1 [Source:ZFIN;Acc:ZDB-GENE-130819-1]	lamtor1
ENSDARG00000090297	ENSDARP00000111714	low density lipoprotein receptor class A domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-110204-1]	ldlrad2
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000070833	ENSDARP00000095107	lin-52 homolog (C. elegans) [Source:ZFIN;Acc:ZDB-GENE-061110-82]	lin52
ENSDARG00000069852	ENSDARP00000092768	lipoyl(octanoyl) transferase 2 (putative) [Source:ZFIN;Acc:ZDB-GENE-060312-18]	lipt2
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LIRF1
ENSDARG00000096306	ENSDARP00000125718	leucine rich repeat containing 41 [Source:HGNC Symbol;Acc:HGNC:16917]	LRRC41
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRC49
ENSDARG00000089057	ENSDARP00000110782	leucine rich repeat containing 56 [Source:HGNC Symbol;Acc:HGNC:25430]	LRRC56
ENSDARG00000078611	ENSDARP00000113601	leucine-rich repeats and IQ motif containing 3 [Source:ZFIN;Acc:ZDB-GENE-081104-400]	lrriq3
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000068247	ENSDARP00000113593	leucine zipper protein 2 [Source:ZFIN;Acc:ZDB-GENE-060503-278]	luzp2
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000078352	ENSDARP00000103510	LYR motif containing 4 [Source:ZFIN;Acc:ZDB-GENE-081104-295]	lyrm4
ENSDARG00000079815	ENSDARP00000099103	LYR motif containing 7 [Source:HGNC Symbol;Acc:HGNC:28072]	LYRM7
ENSDARG00000075528	ENSDARP00000100356	LYR motif containing 9 [Source:ZFIN;Acc:ZDB-GENE-081022-28]	lyrm9
ENSDARG00000032601	ENSDARP00000116255	MACRO domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1490]	macrod2
ENSDARG00000076326	ENSDARP00000097846	mastermind-like 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16259]	MAML2
ENSDARG00000079552	ENSDARP00000102079	mastermind-like 3 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-292]	maml3
ENSDARG00000036851	ENSDARP00000124905	MANSC domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070209-77]	mancs1
ENSDARG00000078241	ENSDARP00000098914	microtubule-associated protein 7 [Source:HGNC Symbol;Acc:HGNC:6869]	MAP7

ENSDARG00000011724	ENSDARP00000011783	MARVEL domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050208-33]	marveld1
ENSDARG00000021572	ENSDARP00000036480	Mab-21 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-090313-23]	mb21d1
ENSDARG00000087450	ENSDARP00000107850	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6935]	MCC
ENSDARG00000097371	ENSDARP00000118124	mcf2b	mcf2b
ENSDARG00000088040	ENSDARP00000108620	magnesium-dependent phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28781]	MDP1
ENSDARG00000069337	ENSDARP00000066153	mediator complex subunit 11 [Source:ZFIN;Acc:ZDB-GENE-091207-2]	med11
ENSDARG00000014292	ENSDARP00000003782	mediator complex subunit 15 [Source:ZFIN;Acc:ZDB-GENE-040426-2032]	med15
ENSDARG00000071339	ENSDARP00000096205	mef2b neighbor [Source:ZFIN;Acc:ZDB-GENE-050208-757]	mef2bnb
ENSDARG00000090972	ENSDARP00000106498	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSDARG00000045705	ENSDARP00000067188	meiosis expressed gene 1 homolog [Source:ZFIN;Acc:ZDB-GENE-050320-33]	meig1
ENSDARG00000063030	ENSDARP00000093291	mesoderm development candidate 2 [Source:ZFIN;Acc:ZDB-GENE-070112-2142]	mesdc2
ENSDARG00000043275	ENSDARP00000063522	O-6-methylguanine-DNA methyltransferase [Source:ZFIN;Acc:ZDB-GENE-120614-1]	mgmt
ENSDARG00000086189	ENSDARP00000124104	matrix Gla protein [Source:ZFIN;Acc:ZDB-GENE-060928-1]	mgp
ENSDARG00000088346	ENSDARP00000109847	migration and invasion inhibitory protein [Source:HGNC Symbol;Acc:HGNC:25715]	MIIP
ENSDARG00000086655	ENSDARP00000105350	MKRN2 opposite strand [Source:HGNC Symbol;Acc:HGNC:40375]	MKRN2OS
		myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	mlt11
ENSDARG00000071026	ENSDARP00000095520		mlnl
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mmgt1
ENSDARG0000010553	ENSDARP0000005525	membrane magnesium transporter 1 [Source:ZFIN;Acc:ZDB-GENE-040801-65]	mocs2
ENSDARG00000077202	ENSDARP00000100305	molybdenum cofactor synthesis 2 [Source:ZFIN;Acc:ZDB-GENE-110411-53]	MPHOSPH9
ENSDARG00000079091	ENSDARP00000100055	M-phase phosphoprotein 9 [Source:HGNC Symbol;Acc:HGNC:7215]	mpkpkp
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mrp
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrm1
ENSDARG00000059658	ENSDARP00000077572	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060526-229]	mrrp63
ENSDARG0000007285	ENSDARP00000119580	mitochondrial ribosomal protein 63 [Source:ZFIN;Acc:ZDB-GENE-040426-1745]	MRPL55
ENSDARG00000043402	ENSDARP00000063716	mitochondrial ribosomal protein L55 [Source:HGNC Symbol;Acc:HGNC:16686]	mrrps28
ENSDARG00000041538	ENSDARP00000060897	mitochondrial ribosomal protein S28 [Source:ZFIN;Acc:ZDB-GENE-061110-52]	mrrps33
ENSDARG00000020015	ENSDARP00000048674	mitochondrial ribosomal protein S33 [Source:ZFIN;Acc:ZDB-GENE-040715-6]	MRP536
ENSDARG00000079823	ENSDARP00000098403	mitochondrial ribosomal protein S36 [Source:HGNC Symbol;Acc:HGNC:16631]	ms4a17a.1
ENSDARG00000043798	ENSDARP00000112751	membrane-spanning 4-domains, subfamily A, member 17A.1 [Source:ZFIN;Acc:ZDB-GENE-050417-307]	ms4a17a.10
ENSDARG00000095695	ENSDARP00000128521	membrane-spanning 4-domains, subfamily A, member 17A.10 [Source:ZFIN;Acc:ZDB-GENE-080829-3]	ms4a17a.11
ENSDARG00000053561	ENSDARP00000024147	membrane-spanning 4-domains, subfamily A, member 17A.11 [Source:ZFIN;Acc:ZDB-GENE-050417-157]	ms4a17a.14
ENSDARG00000094809	ENSDARP00000120959	membrane-spanning 4-domains, subfamily A, member 17A.14 [Source:ZFIN;Acc:ZDB-GENE-070705-363]	ms4a17a.17
ENSDARG00000054898	ENSDARP00000090685	membrane-spanning 4-domains, subfamily A, member 17A.17 [Source:ZFIN;Acc:ZDB-GENE-070424-27]	ms4a17a.2
ENSDARG00000093546	ENSDARP00000007146	membrane-spanning 4-domains, subfamily A, member 17a.2 [Source:ZFIN;Acc:ZDB-GENE-070705-367]	ms4a17a.3
ENSDARG00000091970	ENSDARP00000128604	membrane-spanning 4-domains, subfamily A, member 17A.3 [Source:ZFIN;Acc:ZDB-GENE-080829-1]	ms4a17a.4
ENSDARG00000014024	ENSDARP00000076558	membrane-spanning 4-domains, subfamily A, member 17A.4 [Source:ZFIN;Acc:ZDB-GENE-070822-16]	ms4a17a.5
ENSDARG00000092204	ENSDARP00000115019	membrane-spanning 4-domains, subfamily A, member 17A.5 [Source:ZFIN;Acc:ZDB-GENE-040912-55]	ms4a17a.6
ENSDARG00000007018	ENSDARP00000070084	membrane-spanning 4-domains, subfamily A, member 17A.6 [Source:ZFIN;Acc:ZDB-GENE-070209-265]	ms4a17a.7
ENSDARG00000043796	ENSDARP00000064311	membrane-spanning 4-domains, subfamily A, member 17A.7 [Source:ZFIN;Acc:ZDB-GENE-080829-2]	ms4a17a.8
ENSDARG00000094854	ENSDARP00000116235	membrane-spanning 4-domains, subfamily A, member 17A.8 [Source:ZFIN;Acc:ZDB-GENE-070705-365]	ms4a17a.9
ENSDARG00000043802	ENSDARP00000120897	membrane-spanning 4-domains, subfamily A, member 17A.9 [Source:ZFIN;Acc:ZDB-GENE-050320-79]	ms4a17c.1
ENSDARG00000094643	ENSDARP00000122630	membrane-spanning 4-domains, subfamily A, member 17C.1 [Source:ZFIN;Acc:ZDB-GENE-080829-9]	ms4a17c.2
ENSDARG00000028659	ENSDARP00000113139	membrane-spanning 4-domains, subfamily A, member 17c.2 [Source:ZFIN;Acc:ZDB-GENE-080829-10]	MSMP
ENSDARG00000074930	ENSDARP00000117235	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	MTHFS
ENSDARG00000042465	ENSDARP00000062271	5,10-methylnetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) [Source:HGNC Symbol;Acc:HGNC:7437]	mtp
ENSDARG00000076271	ENSDARP00000074381	microsomal triglyceride transfer protein [Source:ZFIN;Acc:ZDB-GENE-040419-2]	mturn
ENSDARG00000074505	ENSDARP00000098753	maturin, neural progenitor differentiation regulator homolog (Xenopus) [Source:ZFIN;Acc:ZDB-GENE-081104-127]	muc13a
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	mucms1
ENSDARG00000069566	ENSDARP00000116854	mucin, multiple PTS and SEA group, member 1 [Source:ZFIN;Acc:ZDB-GENE-061009-17]	mvdb
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mycbp
ENSDARG00000091001	ENSDARP00000106394	c-myc binding protein [Source:ZFIN;Acc:ZDB-GENE-060331-97]	mycbpap
ENSDARG00000069194	ENSDARP00000105585	mycbp associated protein [Source:ZFIN;Acc:ZDB-GENE-080923-1]	MZT1
ENSDARG00000096668	ENSDARP00000126983	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:HGNC:33830]	naa25
ENSDARG00000075446	ENSDARP00000101486	N(alpha)-acetyltransferase 25, NatB auxiliary subunit [Source:ZFIN;Acc:ZDB-GENE-041111-190]	naca
ENSDARG0000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	NAT14
ENSDARG00000090962	ENSDARP00000111670	N-acetyltransferase 14 (GCN5-related, putative) [Source:HGNC Symbol;Acc:HGNC:28918]	NAT6
ENSDARG00000068590	ENSDARP00000101635	N-acetyltransferase 6 (GCN5-related) [Source:HGNC Symbol;Acc:HGNC:30252]	ndp
ENSDARG00000076569	ENSDARP00000098053	Norrie disease (pseudoglioma) [Source:ZFIN;Acc:ZDB-GENE-060216-2]	ndufaf5
ENSDARG00000061629	ENSDARP00000113500	NADH dehydrogenase (ubiquinone) complex I, assembly factor 5 [Source:ZFIN;Acc:ZDB-GENE-070410-110]	NDUFB1
ENSDARG00000087456	ENSDARP00000105840	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa [Source:HGNC Symbol;Acc:HGNC:7695]	
		NADH dehydrogenase (ubiquinone) Fe-S protein 4, (NADH-coenzyme Q reductase) [Source:ZFIN;Acc:ZDB-GENE-050522-421]	ndufs4
ENSDARG00000052840	ENSDARP00000051054		ndufs6
ENSDARG00000056583	ENSDARP00000073559	NADH dehydrogenase (ubiquinone) Fe-S protein 6 [Source:ZFIN;Acc:ZDB-GENE-040912-86]	ndufv3
ENSDARG00000090389	ENSDARP00000092990	NADH dehydrogenase (ubiquinone) flavoprotein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6500]	NFX1
ENSDARG00000076662	ENSDARP00000101631	nuclear transcription factor, X-box binding 1 [Source:HGNC Symbol;Acc:HGNC:7803]	nfx1l
ENSDARG00000070127	ENSDARP00000124661	nuclear transcription factor, X-box binding-like 1 [Source:ZFIN;Acc:ZDB-GENE-110411-178]	nhlh2
ENSDARG00000025495	ENSDARP00000015418	nescent helix loop helix 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1809]	nitr10b
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b [Source:ZFIN;Acc:ZDB-GENE-041001-4]	nitr7a
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nkd3l
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nkd3n
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkx2.9
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nmba
ENSDARG00000020332	ENSDARP00000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nmbb
ENSDARG00000068144	ENSDARP00000089132	neuromedin Ba [Source:ZFIN;Acc:ZDB-GENE-050419-3]	nmu
ENSDARG00000077167	ENSDARP00000097995	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nnr
ENSDARG00000043299	ENSDARP00000063567	neuromedin U [Source:ZFIN;Acc:ZDB-GENE-041001-111]	
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	

ENSDARG00000089426	ENSDARP00000107682	NOP10 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-041007-4]	nop10
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000074697	ENSDARP00000098274	neural proliferation, differentiation and control, 1 [Source:ZFIN;Acc:ZDB-GENE-031204-31]	npdc1
ENSDARG00000056156	ENSDARP00000073053	neural proliferation, differentiation and control, 1 [Source:HGNC Symbol;Acc:HGNC:7899]	NPDC1
ENSDARG00000069014	ENSDARP00000090835	nephronophtthis 4 [Source:ZFIN;Acc:ZDB-GENE-060503-715]	nphp4
ENSDARG00000052960	ENSDARP00000108691	natriuretic peptide precursor A [Source:ZFIN;Acc:ZDB-GENE-030131-95]	nppa
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000034662	ENSDARP00000104725	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsmce1
ENSDARG00000076379	ENSDARP00000100432	non-SMC element 2, MMS21 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26513]	NSMCE2
ENSDARG00000070281	ENSDARP00000093777	NOP2/Sun domain family, member 7 [Source:HGNC Symbol;Acc:HGNC:25857]	NSUN7
ENSDARG00000057887	ENSDARP00000075084	neurotensin [Source:ZFIN;Acc:ZDB-GENE-091204-433]	nts
ENSDARG00000012777	ENSDARP00000018018	nuclear casein kinase and cyclin-dependent kinase substrate 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4544]	nucks1b
ENSDARG00000041576	ENSDARP00000060954	nudix (nucleoside diphosphate linked moiety X)-type motif 18 [Source:ZFIN;Acc:ZDB-GENE-050417-388]	nudt18
ENSDARG00000058672	ENSDARP00000076025	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:33550]	NUGGC
ENSDARG00000074955	ENSDARP00000110413	nucleoporin 98 [Source:ZFIN;Acc:ZDB-GENE-040426-1180]	nup98
ENSDARG00000096860	ENSDARP00000128636	NACHT and WD repeat domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-071116-8]	nwd1
ENSDARG00000074416	ENSDARP00000104371	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000074700	ENSDARP00000103851	oral cancer overexpressed 1 [Source:ZFIN;Acc:ZDB-GENE-030729-33]	oraov1
ENSDARG00000075682	ENSDARP00000101426	origin recognition complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2976]	orc6
ENSDARG00000076474	ENSDARP00000097506	oogenesis-related gene [Source:ZFIN;Acc:ZDB-GENE-050208-584]	org
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000054055	ENSDARP00000070674	osteocrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000077810	ENSDARP00000124004	OTU domain containing 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5338]	otud4
ENSDARG00000091429	ENSDARP00000127114	oxidoreductase-like domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-130603-23]	oxld1
ENSDARG0000004736	ENSDARP00000120526	PARK2 co-regulated [Source:ZFIN;Acc:ZDB-GENE-041114-100]	pacrg
ENSDARG00000087556	ENSDARP00000106202	PARK2 co-regulated [Source:HGNC Symbol;Acc:HGNC:19152]	PACRG
ENSDARG00000071215	ENSDARP00000062739	paralemmin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000045486	ENSDARP00000066896	PRKC, apoptosis, WT1, regulator [Source:ZFIN;Acc:ZDB-GENE-041010-108]	pawr
ENSDARG00000053130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSDARG00000035054	ENSDARP00000046901	programmed cell death 10a [Source:ZFIN;Acc:ZDB-GENE-040426-1432]	pcdc10a
ENSDARG00000012591	ENSDARP00000021450	programmed cell death 10b [Source:ZFIN;Acc:ZDB-GENE-040426-2607]	pcdc10b
ENSDARG00000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000079313	ENSDARP00000100297	proline, glutamate and leucine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:30134]	PELP1
ENSDARG00000040450	ENSDARP00000059206	phosphatidylethanolamine N-methyltransferase [Source:ZFIN;Acc:ZDB-GENE-040426-719]	pemt
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000097071	ENSDARP00000128738	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PIFO
ENSDARG00000078495	ENSDARP00000102966	polymeric immunoglobulin receptor [Source:ZFIN;Acc:ZDB-GENE-060503-327]	pigr
ENSDARG00000063559	ENSDARP00000087423	phosphatidylinositol glycan anchor biosynthesis, class X [Source:ZFIN;Acc:ZDB-GENE-070705-212]	pigx
ENSDARG00000014849	ENSDARP00000017232	PIH1 domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-041212-54]	pih1d2
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000086471	ENSDARP00000107936	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Source:ZFIN;Acc:ZDB-GENE-050302-97]	pkig
ENSDARG00000091349	ENSDARP00000110527	pleckstrin homology domain containing, family D (with coiled-coil domains) member 1 [Source:ZFIN;Acc:ZDB-GENE-130926-1]	plekhd1
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000090526	ENSDARP00000093251	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:HGNC:26285]	PLEKH51
ENSDARG00000062756	ENSDARP00000085527	plasmolipin [Source:HGNC Symbol;Acc:HGNC:18553]	PLLP
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000087389	ENSDARP00000105222	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000079632	ENSDARP00000119350	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG00000058349	ENSDARP00000075655	polymerase (RNA) II (DNA directed) polypeptide L [Source:ZFIN;Acc:ZDB-GENE-050522-181]	polr2l
ENSDARG00000032028	ENSDARP00000022488	protein-O-mannose kinase [Source:ZFIN;Acc:ZDB-GENE-041114-119]	pomk
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000068636	ENSDARP000000090124	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000089183	ENSDARP00000128565	protein phosphatase 1, regulatory subunit 32 [Source:ZFIN;Acc:ZDB-GENE-120913-1]	ppp1r32
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000055064	ENSDARP00000109990	peroxiredoxin 5 [Source:ZFIN;Acc:ZDB-GENE-050522-159]	prdx5
ENSDARG00000071735	ENSDARP00000097066	prolactin releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-091204-205]	prlh2
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000073948	ENSDARP00000103772	prokineticin 1 [Source:ZFIN;Acc:ZDB-GENE-070928-34]	prok1
ENSDARG00000091616	ENSDARP00000108683	prokineticin 2 [Source:ZFIN;Acc:ZDB-GENE-100726-1]	prok2
ENSDARG00000039756	ENSDARP00000113013	PROP paired-like homeobox 1 [Source:ZFIN;Acc:ZDB-GENE-081107-40]	prop1
ENSDARG00000097591	ENSDARP00000128306	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSDARG00000087393	ENSDARP00000076880	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prrl1
ENSDARG00000075358	ENSDARP00000079298	proline rich 16 [Source:ZFIN;Acc:ZDB-GENE-070724-2]	prrl6
ENSDARG00000097224	ENSDARP00000127713	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSDARG00000044304	ENSDARP00000065044	proline-rich coiled-coil 1 [Source:ZFIN;Acc:ZDB-GENE-041024-9]	prrc1
ENSDARG00000077087	ENSDARP00000102237	proline-rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]	PRRT3
ENSDARG00000088343	ENSDARP00000108434	proline-rich transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37280]	PRRT4
ENSDARG00000021113	ENSDARP00000090993	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab

ENSDARG00000088010	ENSDARP000000124598	protein tyrosine phosphatase, receptor type, U, b [Source:ZFIN;Acc:ZDB-GENE-030131-7036]	ptprub
ENSDARG00000031047	ENSDARP000000113320	peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050306-33]	ptrh1
ENSDARG00000016122	ENSDARP00000022446	peptidyl-tRNA hydrolase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-081110-2]	ptrhd1
ENSDARG00000090156	ENSDARP000000104922	pituitary tumor-transforming 1 interacting protein a [Source:ZFIN;Acc:ZDB-GENE-030131-505]	pttg1ipa
ENSDARG00000040039	ENSDARP00000058564	pituitary tumor-transforming 1 interacting protein b [Source:ZFIN;Acc:ZDB-GENE-041010-10]	pttg1ipb
ENSDARG00000045773	ENSDARP00000067289	PIGY upstream reading frame [Source:HGNC Symbol;Acc:HGNC:44317]	PIYRF
ENSDARG00000045853	ENSDARP00000067385	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSDARG00000040713	ENSDARP00000095196	retinoblastoma binding protein 9 [Source:ZFIN;Acc:ZDB-GENE-050208-692]	rbbp9
ENSDARG00000073705	ENSDARP000000114038	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rbfa
ENSDARG00000069758	ENSDARP00000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000077909	ENSDARP00000098829	RCE1 homolog, prenyl protein peptidase (S. cerevisiae) a [Source:ZFIN;Acc:ZDB-GENE-041008-116]	rce1a
ENSDARG00000088207	ENSDARP000000113266	RCE1 homolog, prenyl protein peptidase (S. cerevisiae) b [Source:ZFIN;Acc:ZDB-GENE-091204-277]	rce1b
ENSDARG00000074913	ENSDARP00000077349	RCS1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28310]	RCS1
ENSDARG00000091135	ENSDARP000000107435	retinal degeneration 3-like [Source:HGNC Symbol;Acc:HGNC:40912]	RD3L
ENSDARG00000069781	ENSDARP00000092601	REC114 meiotic recombination protein [Source:HGNC Symbol;Acc:HGNC:25065]	REC114
ENSDARG00000069260	ENSDARP00000091417	REC8 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-060421-4898]	rec8b
ENSDARG00000090039	ENSDARP000000108231	reversion-inducing-cysteine-rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]	RECK
ENSDARG00000092463	ENSDARP000000113874	rhomboid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhbdd2
ENSDARG00000036974	ENSDARP00000053701	ripply3 [Source:ZFIN;Acc:ZDB-GENE-060113-3]	ripply3
ENSDARG00000096533	ENSDARP000000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtgr
ENSDARG00000089637	ENSDARP000000123155	ribonuclease H2, subunit C [Source:HGNC Symbol;Acc:HGNC:24116]	RNASEH2C
ENSDARG00000069461	ENSDARP00000091898	ribonuclease, RNase K a [Source:ZFIN;Acc:ZDB-GENE-060825-301]	rnaseka
ENSDARG00000069336	ENSDARP00000091585	ribonuclease, RNase K b [Source:ZFIN;Acc:ZDB-GENE-060825-160]	rnasekb
ENSDARG00000043196	ENSDARP00000063415	ribonuclease like 2 [Source:ZFIN;Acc:ZDB-GENE-050208-420]	rnasel2
ENSDARG00000036171	ENSDARP00000041328	ribonuclease like 3 [Source:ZFIN;Acc:ZDB-GENE-050809-5]	rnasel3
ENSDARG00000076983	ENSDARP000000100693	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnasel4
ENSDARG00000097289	ENSDARP000000128419	rnf183	rnf183
ENSDARG00000092018	ENSDARP000000119884	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSDARG00000076008	ENSDARP000000100784	RPA3 opposite strand [Source:HGNC Symbol;Acc:HGNC:48955]	RPA3OS
ENSDARG00000063021	ENSDARP00000086144	RPA interacting protein [Source:ZFIN;Acc:ZDB-GENE-060825-212]	rpain
ENSDARG00000036174	ENSDARP00000052528	ribosomal protein L14 [Source:ZFIN;Acc:ZDB-GENE-030131-2085]	rpl14
ENSDARG00000054818	ENSDARP00000060004	ribosomal protein L32 [Source:ZFIN;Acc:ZDB-GENE-060331-105]	rpl32
ENSDARG00000036316	ENSDARP00000052760	ribosomal protein L39 [Source:ZFIN;Acc:ZDB-GENE-040625-51]	rpl39
ENSDARG00000011152	ENSDARP00000016855	ribonuclease P 14 subunit [Source:ZFIN;Acc:ZDB-GENE-050522-182]	rdp14
ENSDARG00000073797	ENSDARP000000129488	RRN3 RNA polymerase I transcription factor homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-080225-1]	rrn3
ENSDARG00000067606	ENSDARP00000088110	radial spoke head 4 homolog A (Chlamydomonas) [Source:ZFIN;Acc:ZDB-GENE-030131-7437]	rsp4a
ENSDARG00000017983	ENSDARP000000128109	rhabdoid tumor deletion region gene 1 [Source:ZFIN;Acc:ZDB-GENE-081104-375]	rtdr1
ENSDARG00000097485	ENSDARP000000127983	rtkn2a	rtkn2a
ENSDARG00000059238	ENSDARP00000021982	reticulum 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rt4b
ENSDARG00000070702	ENSDARP00000094858	S100 calcium binding protein V2 [Source:ZFIN;Acc:ZDB-GENE-030131-8909]	s100v2
ENSDARG00000045999	ENSDARP00000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	saa
ENSDARG00000079978	ENSDARP000000118413	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSDARG00000094377	ENSDARP000000117076	sterile alpha motif domain containing 10b [Source:ZFIN;Acc:ZDB-GENE-090312-179]	samd10b
ENSDARG00000090966	ENSDARP00000082295	sterile alpha motif domain containing 14 [Source:HGNC Symbol;Acc:HGNC:27312]	SAMD14
ENSDARG00000005945	ENSDARP00000002453	squamous cell carcinoma antigen recognised by T cells [Source:ZFIN;Acc:ZDB-GENE-040718-422]	sart1
ENSDARG00000076148	ENSDARP00000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000093336	ENSDARP000000116646	sec1 family domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30676]	SCFD2
ENSDARG00000090416	ENSDARP000000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000075598	ENSDARP000000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP000000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP000000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP000000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000088962	ENSDARP000000109084	syndecan 3 [Source:ZFIN;Acc:ZDB-GENE-030131-9021]	sd3
ENSDARG00000095515	ENSDARP000000121586	serologically defined colon cancer antigen 3 [Source:ZFIN;Acc:ZDB-GENE-060526-242]	sdccag3
ENSDARG00000078947	ENSDARP00000099835	serologically defined colon cancer antigen 8 [Source:ZFIN;Acc:ZDB-GENE-090313-318]	sdccag8
ENSDARG00000092478	ENSDARP000000113870	succinate dehydrogenase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-050809-56]	sdhaf1
ENSDARG00000096801	ENSDARP000000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000035136	ENSDARP000000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000038228	ENSDARP00000055744	selenoprotein W, 2a [Source:ZFIN;Acc:ZDB-GENE-030428-1]	sepw2a
ENSDARG00000089936	ENSDARP000000107655	selenoprotein W, 2b [Source:ZFIN;Acc:ZDB-GENE-030428-2]	sepw2b
ENSDARG00000025493	ENSDARP000000125900	stress-associated endoplasmic reticulum protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-8741]	serp1
ENSDARG00000076223	ENSDARP00000098138	stress-associated endoplasmic reticulum protein 1 [Source:HGNC Symbol;Acc:HGNC:10759]	SERP1
ENSDARG00000094003	ENSDARP000000112726	stress-associated endoplasmic reticulum protein family member 2 [Source:ZFIN;Acc:ZDB-GENE-081104-143]	serp2
ENSDARG00000089795	ENSDARP000000111763	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	SERTAD4
ENSDARG00000053992	ENSDARP000000129049	Sfi1 homolog, spindle assembly associated (yeast) [Source:ZFIN;Acc:ZDB-GENE-080206-4]	sf1
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP000000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP000000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-890]	si:ch1073-119b3.1
ENSDARG00000092858	ENSDARP000000118598	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSDARG00000094899	ENSDARP000000116613	si:ch1073-143i10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143i10.2
ENSDARG00000096854	ENSDARP000000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000095640	ENSDARP000000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP000000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP000000124656	si:ch1073-228j2.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j2.1
ENSDARG00000095908	ENSDARP000000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP000000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2

ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270117.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270117.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000074869	ENSDARP00000099238	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000092671	ENSDARP00000126819	si:ch1073-345a8.1 [Source:ZFIN;Acc:ZDB-GENE-091204-447]	si:ch1073-345a8.1
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097069	ENSDARP00000127597	si:ch1073-456g16.1 [Source:ZFIN;Acc:ZDB-GENE-131127-434]	si:ch1073-456g16.1
ENSDARG00000079544	ENSDARP00000102191	si:ch1073-464p5.5 [Source:ZFIN;Acc:ZDB-GENE-091116-35]	si:ch1073-464p5.5
ENSDARG00000077999	ENSDARP00000128923	si:ch1073-591i6.1 [Source:ZFIN;Acc:ZDB-GENE-131127-395]	si:ch1073-591i6.1
ENSDARG00000097702	ENSDARP00000127699	si:ch1073-66i23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-51]	si:ch1073-66i23.1
ENSDARG00000097937	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000093821	ENSDARP00000112784	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000076585	ENSDARP00000098389	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSDARG00000087835	ENSDARP00000116673	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000088019	ENSDARP00000107085	si:ch211-114i13.12 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch211-114i13.12
ENSDARG00000092894	ENSDARP00000119259	si:ch211-114i13.9 [Source:ZFIN;Acc:ZDB-GENE-074024-116]	si:ch211-114i13.9
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-219]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-168]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000095049	ENSDARP00000122846	si:ch211-122i24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122i24.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122i24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122i24.3
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-70]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000096645	ENSDARP00000126625	si:ch211-131k2.2 [Source:ZFIN;Acc:ZDB-GENE-121214-81]	si:ch211-131k2.2
ENSDARG00000040250	ENSDARP00000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-469]	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000087848	ENSDARP00000129560	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i21.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i21.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000094469	ENSDARP00000112582	si:ch211-148i7.4 [Source:ZFIN;Acc:ZDB-GENE-090313-38]	si:ch211-148i7.4
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000097501	ENSDARP00000099840	si:ch211-149i1.2 [Source:ZFIN;Acc:ZDB-GENE-090313-40]	si:ch211-149i1.2

ENSDARG0000009736	ENSDARP00000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000092972	ENSDARP00000113980	si:ch211-14k19.8	si:ch211-14k19.8
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000097187	ENSDARP00000128396	si:ch211-153i6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153i6.6
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074358	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000076850	ENSDARP00000099984	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSDARG00000093048	ENSDARP00000122642	si:ch211-158d24.4 [Source:ZFIN;Acc:ZDB-GENE-081104-141]	si:ch211-158d24.4
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000087238	ENSDARP00000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSDARG00000097407	ENSDARP00000128768	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000097953	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000096387	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4
ENSDARG00000086802	ENSDARP00000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000097617	ENSDARP00000129813	si:ch211-178n15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-24]	si:ch211-178n15.1
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000092499	ENSDARP00000117730	si:ch211-183d21.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8516]	si:ch211-183d21.1
ENSDARG00000090807	ENSDARP00000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000077288	ENSDARP00000100789	si:ch211-188c16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-162]	si:ch211-188c16.1
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000095459	ENSDARP00000123372	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSDARG00000094059	ENSDARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG0000007204	ENSDARP00000064992	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000096365	ENSDARP00000126095	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000076609	ENSDARP00000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000094706	ENSDARP00000112794	si:ch211-202a12.8 [Source:ZFIN;Acc:ZDB-GENE-060526-78]	si:ch211-202a12.8
ENSDARG00000093779	ENSDARP00000116772	si:ch211-202a12.9 [Source:ZFIN;Acc:ZDB-GENE-060526-79]	si:ch211-202a12.9
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000096060	ENSDARP00000125562	si:ch211-202c4.2 [Source:ZFIN;Acc:ZDB-GENE-100922-179]	si:ch211-202c4.2
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000098971	ENSDARP00000109933	si:ch211-203c7.2 [Source:ZFIN;Acc:ZDB-GENE-111221-2]	si:ch211-203c7.2
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000092856	ENSDARP00000114642	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000096955	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4

ENSDARG00000092556	ENSDARP000000122372	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSDARG00000091411	ENSDARP000000106310	si:ch211-214p13.9 [Source:ZFIN;Acc:ZDB-GENE-060503-213]	si:ch211-214p13.9
ENSDARG00000094930	ENSDARP000000123276	si:ch211-215e19.2 [Source:ZFIN;Acc:ZDB-GENE-060503-591]	si:ch211-215e19.2
ENSDARG00000093593	ENSDARP000000113183	si:ch211-215e19.3 [Source:ZFIN;Acc:ZDB-GENE-060503-685]	si:ch211-215e19.3
ENSDARG00000095320	ENSDARP000000112657	si:ch211-215e19.4 [Source:ZFIN;Acc:ZDB-GENE-060503-780]	si:ch211-215e19.4
ENSDARG00000091949	ENSDARP000000118899	si:ch211-215e19.6 [Source:ZFIN;Acc:ZDB-GENE-060503-874]	si:ch211-215e19.6
ENSDARG0000009270	ENSDARP00000099074	si:ch211-215e19.7 [Source:ZFIN;Acc:ZDB-GENE-060503-26]	si:ch211-215e19.7
ENSDARG00000093757	ENSDARP000000115831	si:ch211-215e19.8 [Source:ZFIN;Acc:ZDB-GENE-070705-106]	si:ch211-215e19.8
ENSDARG00000092952	ENSDARP000000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP000000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000093923	ENSDARP00000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSDARG00000079345	ENSDARP000000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP000000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP000000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095434	ENSDARP000000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-046]	si:ch211-217k17.8
ENSDARG00000093494	ENSDARP000000120801	si:ch211-217k17.9 [Source:ZFIN;Acc:ZDB-GENE-061207-21]	si:ch211-217k17.9
ENSDARG00000092364	ENSDARP000000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP000000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP000000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP000000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP000000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP000000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP000000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP000000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP000000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092578	ENSDARP000000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000071578	ENSDARP00000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENSDARG00000094425	ENSDARP000000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000092769	ENSDARP000000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000093563	ENSDARP000000116648	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSDARG00000097453	ENSDARP000000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000097229	ENSDARP000000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000026864	ENSDARP00000033525	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSDARG00000093984	ENSDARP000000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP000000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000054646	ENSDARP00000067120	si:ch211-227p7.1 [Source:ZFIN;Acc:ZDB-GENE-041210-221]	si:ch211-227p7.1
ENSDARG00000093422	ENSDARP000000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-314]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP000000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP000000127061	si:ch211-221i3.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-221i3.2
ENSDARG00000092140	ENSDARP000000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARP000000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000086874	ENSDARP000000111653	si:ch211-232i5.3 [Source:ZFIN;Acc:ZDB-GENE-091204-88]	si:ch211-232i5.3
ENSDARG00000095092	ENSDARP000000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP000000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG00000097985	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP000000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP000000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-041014-113]	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-050208-448]	si:ch211-236g6.1
ENSDARG00000095051	ENSDARP000000119801	si:ch211-236i14.1 [Source:ZFIN;Acc:ZDB-GENE-081104-492]	si:ch211-236i14.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000094500	ENSDARP000000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000054502	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP000000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP000000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP000000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENSDARG00000096908	ENSDARP00000090904	si:ch211-242e8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-600]	si:ch211-242e8.1
ENSDARG00000095223	ENSDARP000000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP000000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENSDARG00000092455	ENSDARP000000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP000000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000094638	ENSDARP000000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000075065	ENSDARP000000128027	si:ch211-249o11.5 [Source:ZFIN;Acc:ZDB-GENE-131127-165]	si:ch211-249o11.5
ENSDARG00000088251	ENSDARP000000109456	si:ch211-24o10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-24o10.6
ENSDARG00000092199	ENSDARP000000121478	si:ch211-250c4.4 [Source:ZFIN;Acc:ZDB-GENE-081107-32]	si:ch211-250c4.4
ENSDARG00000075943	ENSDARP000000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP000000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000088736	ENSDARP000000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-1]	si:ch211-250n8.1
ENSDARG00000096274	ENSDARP000000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071772	ENSDARP00000097165	si:ch211-253p2.2 [Source:ZFIN;Acc:ZDB-GENE-041111-272]	si:ch211-253p2.2
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP000000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP000000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP000000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP000000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP000000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP000000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP000000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000096958	ENSDARP000000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-40]	si:ch211-260d11.1

ENSDARG00000097284	ENSDARP00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDARG00000091695	ENSDARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDARG00000070898	ENSDARP00000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENSDARG00000092738	ENSDARP00000119466	si:ch211-263k4.2 [Source:ZFIN;Acc:ZDB-GENE-081104-207]	si:ch211-263k4.2
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000078547	ENSDARP00000098786	si:ch211-264f5.2 [Source:ZFIN;Acc:ZDB-GENE-080303-2]	si:ch211-264f5.2
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092667	ENSDARP00000122313	si:ch211-271e10.2 [Source:ZFIN;Acc:ZDB-GENE-060526-146]	si:ch211-271e10.2
ENSDARG00000093763	ENSDARP00000114010	si:ch211-271e10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-149]	si:ch211-271e10.6
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000095410	ENSDARP00000118123	si:ch211-285c6.4 [Source:ZFIN;Acc:ZDB-GENE-041001-97]	si:ch211-285c6.4
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000087906	ENSDARP00000105853	si:ch211-286k11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-159]	si:ch211-286k11.4
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000097600	ENSDARP00000128731	si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531]	si:ch211-66h3.4
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000086317	ENSDARP00000105628	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000070656	ENSDARP00000094724	si:ch211-69g19.2 [Source:ZFIN;Acc:ZDB-GENE-030804-13]	si:ch211-69g19.2
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000085222	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000093237	ENSDARP00000122761	si:ch211-89o9.4 [Source:ZFIN;Acc:ZDB-GENE-090313-134]	si:ch211-89o9.4
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000095520	ENSDARP00000115277	si:ch211-9d9.7 [Source:ZFIN;Acc:ZDB-GENE-060503-422]	si:ch211-9d9.7
ENSDARG00000094905	ENSDARP00000114629	si:ch211-9d9.8 [Source:ZFIN;Acc:ZDB-GENE-060503-515]	si:ch211-9d9.8
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000096629	ENSDARP00000126708	si:ch73-132f6.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9581]	si:ch73-132f6.5
ENSDARG00000095867	ENSDARP00000123979	si:ch73-132k15.2 [Source:ZFIN;Acc:ZDB-GENE-110411-191]	si:ch73-132k15.2
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-626]	si:ch73-191k20.3
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211i13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211i13.2

ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000095939	ENSDARP00000124684	si:ch73-226i13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-18]	si:ch73-226i13.2
ENSDARG00000096905	ENSDARP00000129587	si:ch73-23i24.1 [Source:ZFIN;Acc:ZDB-GENE-131127-400]	si:ch73-23i24.1
ENSDARG00000058782	ENSDARP00000128803	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3
ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5 [Source:ZFIN;Acc:ZDB-GENE-070705-225]	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-133]	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231]	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097398	ENSDARP00000129312	si:ch73-288o11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-207]	si:ch73-288o11.4
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-309i.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-309i.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-227]	si:ch73-338a16.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000093368	ENSDARP00000116528	si:ch73-348k23.1 [Source:ZFIN;Acc:ZDB-GENE-060601-1]	si:ch73-348k23.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000096360	ENSDARP00000125874	si:ch73-389b16.1 [Source:ZFIN;Acc:ZDB-GENE-120215-152]	si:ch73-389b16.1
ENSDARG00000043812	ENSDARP00000115043	si:ch73-389k6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-408]	si:ch73-389k6.1
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000097527	ENSDARP00000129687	si:ch73-56d11.3 [Source:ZFIN;Acc:ZDB-GENE-131126-22]	si:ch73-56d11.3
ENSDARG00000053563	ENSDARP00000070081	si:ch73-56d11.4 [Source:ZFIN;Acc:ZDB-GENE-131125-46]	si:ch73-56d11.4
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000058537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-61]	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106i3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-212]	si:dkey-106i3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000093960	ENSDARP00000114887	si:dkey-111e8.5 [Source:ZFIN;Acc:ZDB-GENE-060526-192]	si:dkey-111e8.5
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114i24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114i24.2
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000096457	ENSDARP00000126436	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000071458	ENSDARP00000096444	si:dkey-121a11.3 [Source:ZFIN;Acc:ZDB-GENE-050208-417]	si:dkey-121a11.3
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9

ENSDARG00000069328	ENSDARP00000091564	si:dkey-12e7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-173]	si:dkey-12e7.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000060340	ENSDARP00000079364	si:dkey-157i19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-190]	si:dkey-157i19.2
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042683	ENSDARP00000127287	si:dkey-15j16.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4680]	si:dkey-15j16.3
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3 [Source:ZFIN;Acc:ZDB-GENE-121214-324]	si:dkey-162h11.3
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-172o10.8
ENSDARG00000092593	ENSDARP00000116632	si:dkey-174k12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-174k12.3
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000053761	ENSDARP00000064293	si:dkey-187j14.4 [Source:ZFIN;Acc:ZDB-GENE-131119-29]	si:dkey-187j14.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077559	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000095940	ENSDARP00000123841	si:dkey-19a16.12 [Source:ZFIN;Acc:ZDB-GENE-110408-26]	si:dkey-19a16.12
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000074334	ENSDARP00000101238	si:dkey-1c7.1 [Source:ZFIN;Acc:ZDB-GENE-121214-246]	si:dkey-1c7.1
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000076398	ENSDARP00000118267	si:dkey-201i21.4 [Source:ZFIN;Acc:ZDB-GENE-060531-98]	si:dkey-201i21.4
ENSDARG00000073965	ENSDARP00000037522	si:dkey-202b22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-175]	si:dkey-202b22.5
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-163]	si:dkey-205h23.1
ENSDARG00000096971	ENSDARP00000128158	si:dkey-206p8.1 [Source:ZFIN;Acc:ZDB-GENE-131127-460]	si:dkey-206p8.1
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3

ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7 [Source:ZFIN;Acc:ZDB-GENE-090313-232]	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092049	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097802	ENSDARP00000128641	si:dkey-238d18.12 [Source:ZFIN;Acc:ZDB-GENE-131126-41]	si:dkey-238d18.12
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000097739	ENSDARP00000128307	si:dkey-238d18.9 [Source:ZFIN;Acc:ZDB-GENE-131120-170]	si:dkey-238d18.9
ENSDARG00000093512	ENSDARP00000116085	si:dkey-238j22.1 [Source:ZFIN;Acc:ZDB-GENE-070705-398]	si:dkey-238j22.1
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000078847	ENSDARP00000097753	si:dkey-238o13.4 [Source:ZFIN;Acc:ZDB-GENE-070705-403]	si:dkey-238o13.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000094824	ENSDARP00000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000096189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG0000009126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000095643	ENSDARP00000096720	si:dkey-253d23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-330]	si:dkey-253d23.3
ENSDARG00000097962	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000096437	ENSDARP00000126340	si:dkey-26h11.1 [Source:ZFIN;Acc:ZDB-GENE-120709-74]	si:dkey-26h11.1

ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000093621	ENSDARP00000118008	si:dkey-27b3.4 [Source:ZFIN;Acc:ZDB-GENE-091204-131]	si:dkey-27b3.4
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000092228	ENSDARP00000114575	si:dkey-27p18.3 [Source:ZFIN;Acc:ZDB-GENE-060526-287]	si:dkey-27p18.3
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-366]	si:dkey-287g12.6
ENSDARG00000069524	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000069540	ENSDARP00000092070	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000092934	ENSDARP00000121281	si:dkey-32e6.3 [Source:ZFIN;Acc:ZDB-GENE-081104-408]	si:dkey-32e6.3
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-131]	si:dkey-34o23.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000045669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000068398	ENSDARP00000089681	si:dkey-3b8.4 [Source:ZFIN;Acc:ZDB-GENE-050419-24]	si:dkey-3b8.4
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000095252	ENSDARP00000117573	si:dkey-40h20.1 [Source:ZFIN;Acc:ZDB-GENE-091113-44]	si:dkey-40h20.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000095073	ENSDARP00000117177	si:dkey-4c23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-749]	si:dkey-4c23.4
ENSDARG00000071279	ENSDARP00000096067	si:dkey-4c23.5 [Source:ZFIN;Acc:ZDB-GENE-050208-349]	si:dkey-4c23.5
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52i18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52i18.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000052912	ENSDARP00000127658	si:dkey-57n24.6 [Source:ZFIN;Acc:ZDB-GENE-130530-641]	si:dkey-57n24.6
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10 [Source:ZFIN;Acc:ZDB-GENE-060526-312]	si:dkey-58f10.10
ENSDARG00000094935	ENSDARP00000116305	si:dkey-58f10.11 [Source:ZFIN;Acc:ZDB-GENE-060526-313]	si:dkey-58f10.11
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12 [Source:ZFIN;Acc:ZDB-GENE-060526-314]	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13 [Source:ZFIN;Acc:ZDB-GENE-060526-315]	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14 [Source:ZFIN;Acc:ZDB-GENE-060526-316]	si:dkey-58f10.14
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000094489	ENSDARP00000120147	si:dkey-58f10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-320]	si:dkey-58f10.6
ENSDARG00000091972	ENSDARP00000112844	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSDARG00000091832	ENSDARP00000109844	si:dkey-58f6.2 [Source:ZFIN;Acc:ZDB-GENE-131127-585]	si:dkey-58f6.2
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12

ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000093234	ENSDARP00000116561	si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12]	si:dkey-65i23.2
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66l17.4
ENSDARG00000055389	ENSDARP00000072206	si:dkey-67c22.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5845]	si:dkey-67c22.2
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000080675	ENSDARP00000104824	si:dkey-71b5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-124]	si:dkey-71b5.7
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000093458	ENSDARP00000115334	si:dkey-76d14.2 [Source:ZFIN;Acc:ZDB-GENE-070912-580]	si:dkey-76d14.2
ENSDARG00000020548	ENSDARP00000025659	si:dkey-77f5.10 [Source:ZFIN;Acc:ZDB-GENE-131121-133]	si:dkey-77f5.10
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096906	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153]	si:dkey-79c1.1
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000094710	ENSDARP00000120720	si:dkey-79i2.4 [Source:ZFIN;Acc:ZDB-GENE-060503-553]	si:dkey-79i2.4
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000090552	ENSDARP00000106870	si:dkey-7j14.6 [Source:ZFIN;Acc:ZDB-GENE-030131-8466]	si:dkey-7j14.6
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095893	ENSDARP00000124597	si:dkey-85n7.7 [Source:ZFIN;Acc:ZDB-GENE-110408-52]	si:dkey-85n7.7
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88i16.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000091628	ENSDARP00000112107	si:dkey-97a13.9 [Source:ZFIN;Acc:ZDB-GENE-070912-619]	si:dkey-97a13.9
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSDARG00000093997	ENSDARP00000117097	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000095419	ENSDARP00000121146	si:dkeyp-104b3.1 [Source:ZFIN;Acc:ZDB-GENE-070912-623]	si:dkeyp-104b3.1
ENSDARG00000067935	ENSDARP00000088677	si:dkeyp-104b3.18 [Source:ZFIN;Acc:ZDB-GENE-070912-624]	si:dkeyp-104b3.18
ENSDARG00000094699	ENSDARP00000119236	si:dkeyp-104b3.2 [Source:ZFIN;Acc:ZDB-GENE-070912-625]	si:dkeyp-104b3.2
ENSDARG00000094544	ENSDARP00000116920	si:dkeyp-104b3.21 [Source:ZFIN;Acc:ZDB-GENE-070912-626]	si:dkeyp-104b3.21
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39]	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000069401	ENSDARP00000091739	si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466]	si:dkeyp-114g9.1
ENSDARG00000095437	ENSDARP00000118987	si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455]	si:dkeyp-117b11.3
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-47]	si:dkeyp-117h8.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000094387	ENSDARP00000122446	si:dkeyp-30e7.2 [Source:ZFIN;Acc:ZDB-GENE-081104-498]	si:dkeyp-30e7.2
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3

ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000093150	ENSDARP00000118889	si:dkeyp-51f11.9 [Source:ZFIN;Acc:ZDB-GENE-070912-653]	si:dkeyp-51f11.9
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000041923	ENSDARP00000123921	si:dkeyp-59a8.1 [Source:ZFIN;Acc:ZDB-GENE-041014-165]	si:dkeyp-59a8.1
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000074506	ENSDARP00000100987	si:dkeyp-67e6.4 [Source:ZFIN;Acc:ZDB-GENE-121130-1]	si:dkeyp-67e6.4
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000097589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000075917	ENSDARP00000118525	si:dkeyp-87a12.1 [Source:ZFIN;Acc:ZDB-GENE-081104-480]	si:dkeyp-87a12.1
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086712	ENSDARP00000112225	si:dkeyp-97b10.3 [Source:ZFIN;Acc:ZDB-GENE-131121-429]	si:dkeyp-97b10.3
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000086255	ENSDARP00000106536	si:rp71-1c10.10 [Source:ZFIN;Acc:ZDB-GENE-130603-55]	si:rp71-1c10.10
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000044023	ENSDARP00000064632	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSDARG00000089202	ENSDARP00000109920	si:rp71-40n14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-147]	si:rp71-40n14.6
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80e10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80e10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000089939	ENSDARP00000106885	SUMO-interacting motifs containing 1 [Source:HGNC Symbol;Acc:HGNC:24779]	SIMC1
ENSDARG00000171663	ENSDARP00000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000049262	ENSDARP00000109206	stem-loop binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-9686]	slbp
ENSDARG00000077368	ENSDARP00000060344	solute carrier family 30 (zinc transporter), member 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1838]	slc30a6
ENSDARG00000089127	ENSDARP00000106449	solute carrier family 39, member 11 [Source:HGNC Symbol;Acc:HGNC:14463]	SLC39A11
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000092927	ENSDARP00000119409	SLX4 structure-specific endonuclease subunit [Source:HGNC Symbol;Acc:HGNC:23845]	SLX4
ENSDARG00000093069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMC04
ENSDARG00000070358	ENSDARP00000093933	small integral membrane protein 12 [Source:ZFIN;Acc:ZDB-GENE-050320-101]	smim12
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG00000057999	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG00000062476	ENSDARP00000084846	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	snac5
ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snm
ENSDARG00000079732	ENSDARP00000101748	SON DNA binding protein [Source:HGNC Symbol;Acc:HGNC:11183]	SON
ENSDARG00000096389	ENSDARP00000126100	sox4a	sox4a
ENSDARG00000096554	ENSDARP00000126902	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]	SPAG5
ENSDARG00000059131	ENSDARP00000076688	speedy homolog A (Xenopus laevis) [Source:ZFIN;Acc:ZDB-GENE-041010-194]	spdya
ENSDARG00000095590	ENSDARP00000115588	secreted phosphoprotein 2, 24kDa [Source:HGNC Symbol;Acc:HGNC:11256]	SPP2
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000071203	ENSDARP00000095888	serine palmitoyltransferase, small subunit A [Source:ZFIN;Acc:ZDB-GENE-050320-26]	sptssa
ENSDARG00000091658	ENSDARP00000127984	serine palmitoyltransferase, small subunit B [Source:ZFIN;Acc:ZDB-GENE-060421-6887]	sptssb
ENSDARG00000033889	ENSDARP00000068017	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050522-212]	spty2d1
ENSDARG00000056859	ENSDARP00000073885	spexin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	SPX
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	srgn
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4

ENSDARG00000077070	ENSDARP00000098847	Sjogren syndrome nuclear autoantigen 1 [Source:ZFIN;Acc:ZDB-GENE-081104-255]	ssna1
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000017669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000074280	ENSDARP00000055676	STAR-related lipid transfer (START) domain containing 4 [Source:HGNC Symbol;Acc:HGNC:18058]	STAR04
ENSDARG00000086641	ENSDARP00000012004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000056339	ENSDARP00000073251	serine/threonine kinase 31 [Source:HGNC Symbol;Acc:HGNC:11407]	STK31
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000059171	ENSDARP00000076652	sperm-tail PG-rich repeat containing 1 [Source:ZFIN;Acc:ZDB-GENE-070705-373]	stpg1
ENSDARG00000061060	ENSDARP00000081101	sperm-tail PG-rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:28712]	STPG2
ENSDARG00000089291	ENSDARP00000109030	stimulated by retinoic acid 13 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-110411-78]	stra13
ENSDARG00000077995	ENSDARP00000103758	sushi domain containing 3 [Source:HGNC Symbol;Acc:HGNC:28391]	SUSD3
ENSDARG00000088277	ENSDARP00000109477	sushi domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-120215-196]	susd5
ENSDARG00000088405	ENSDARP00000112193	supervillin b [Source:ZFIN;Acc:ZDB-GENE-081104-411]	svlib
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000093423	ENSDARP00000120384	SWIM-type zinc finger 7 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-071116-2]	swsap1
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000090469	ENSDARP00000099011	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN
ENSDARG00000088950	ENSDARP00000114083	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG00000079190	ENSDARP00000099728	synaptonemal complex protein 2-like [Source:ZFIN;Acc:ZDB-GENE-130924-1]	sycp2l
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngr2a
ENSDARG00000017606	ENSDARP00000017218	SYS1 Golgi-localized integral membrane protein homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-8283]	sys1
ENSDARG00000094788	ENSDARP000000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000014490	ENSDARP00000006554	tachykinin 1 [Source:ZFIN;Acc:ZDB-GENE-060503-904]	tac1
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000096234	ENSDARP00000126245	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSDARG00000068641	ENSDARP00000090137	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor [Source:ZFIN;Acc:ZDB-GENE-060526-334]	taf10
ENSDARG00000054085	ENSDARP00000070699	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor [Source:ZFIN;Acc:ZDB-GENE-031030-5]	taf12
ENSDARG00000096310	ENSDARP00000125622	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa [Source:HGNC Symbol;Acc:HGNC:11534]	TAF1C
ENSDARG00000067723	ENSDARP00000088309	TRAF family member-associated NFKB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSDARG00000079880	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000074066	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000036924	ENSDARP00000053616	TatD DNase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24220]	TATDN1
ENSDARG00000067831	ENSDARP00000088485	thymus, brain and testes associated [Source:ZFIN;Acc:ZDB-GENE-121030-4]	tbata
ENSDARG00000013842	ENSDARP00000006223	TBC1 domain family, member 19 [Source:ZFIN;Acc:ZDB-GENE-040426-1265]	tbc1d19
ENSDARG00000016754	ENSDARP00000012019	tubulin cofactor a [Source:ZFIN;Acc:ZDB-GENE-040426-962]	tbcA
ENSDARG00000039344	ENSDARP00000057501	Tctex1 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040912-49]	tctex1d1
ENSDARG00000054255	ENSDARP00000070898	Tctex1 domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-081104-219]	tctex1d2
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000088654	ENSDARP00000107764	testis expressed 15 [Source:ZFIN;Acc:ZDB-GENE-091204-395]	tex15
ENSDARG00000089689	ENSDARP000000107795	testis expressed 26 [Source:ZFIN;Acc:ZDB-GENE-120410-5]	tex26
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000015622	ENSDARP00000017119	TDP-glucose 4,6-dehydratase [Source:ZFIN;Acc:ZDB-GENE-030131-5718]	tgds
ENSDARG00000078644	ENSDARP000000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000045625	ENSDARP00000067095	THUMP domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1805]	thumpd1
ENSDARG00000035018	ENSDARP00000045409	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSDARG00000042714	ENSDARP00000062684	tol-like receptor adaptor molecule 1 [Source:ZFIN;Acc:ZDB-GENE-040219-2]	ticam1
ENSDARG00000071396	ENSDARP00000096296	translocase of inner mitochondrial membrane 23 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-020419-17]	tim23
ENSDARG00000071670	ENSDARP00000096919	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSDARG00000069099	ENSDARP00000091049	transmembrane and coiled-coil domains 1 [Source:ZFIN;Acc:ZDB-GENE-050417-344]	tmco1
ENSDARG00000077500	ENSDARP00000090552	transmembrane protein 101 [Source:ZFIN;Acc:ZDB-GENE-121214-289]	tmem101
ENSDARG00000090230	ENSDARP00000110325	transmembrane protein 108 [Source:ZFIN;Acc:ZDB-GENE-091204-397]	tmem108
ENSDARG00000077155	ENSDARP00000100247	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25084]	TMEM116
ENSDARG00000095259	ENSDARP00000120390	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000090543	ENSDARP00000104910	transmembrane protein 138 [Source:ZFIN;Acc:ZDB-GENE-120912-1]	tmem138
ENSDARG00000067681	ENSDARP00000088257	transmembrane protein 141 [Source:ZFIN;Acc:ZDB-GENE-060929-272]	tmem141
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000078659	ENSDARP00000088271	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSDARG00000074264	ENSDARP00000103823	transmembrane protein 186 [Source:HGNC Symbol;Acc:HGNC:24530]	TMEM186
ENSDARG00000051989	ENSDARP00000068202	transmembrane protein 187 [Source:ZFIN;Acc:ZDB-GENE-090313-366]	tmem187
ENSDARG00000027129	ENSDARP00000028280	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218
ENSDARG00000069494	ENSDARP00000091975	transmembrane protein 223 [Source:ZFIN;Acc:ZDB-GENE-040801-113]	tmem223
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000078333	ENSDARP00000098949	transmembrane protein 234 [Source:ZFIN;Acc:ZDB-GENE-090313-326]	tmem234
ENSDARG00000087916	ENSDARP00000105180	transmembrane protein 240 [Source:ZFIN;Acc:ZDB-GENE-090313-306]	tmem240
ENSDARG00000090145	ENSDARP00000110290	transmembrane protein 240 [Source:HGNC Symbol;Acc:HGNC:25186]	TMEM240
ENSDARG00000090685	ENSDARP00000129286	transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:31723]	TMEM241
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000070452	ENSDARP00000115385	transmembrane protein 66 [Source:ZFIN;Acc:ZDB-GENE-060929-208]	tmem66
ENSDARG00000079784	ENSDARP00000104255	transmembrane protein 71 [Source:HGNC Symbol;Acc:HGNC:26572]	TMEM71
ENSDARG00000069332	ENSDARP00000103164	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSDARG00000071250	ENSDARP00000123573	transmembrane protein 79a [Source:ZFIN;Acc:ZDB-GENE-060503-538]	tmem79a
ENSDARG00000069423	ENSDARP00000112089	transmembrane inner ear [Source:ZFIN;Acc:ZDB-GENE-061207-9]	tmie
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	tmppe
ENSDARG00000054911	ENSDARP00000071665	thymosin, beta [Source:ZFIN;Acc:ZDB-GENE-050307-5]	tmsb

ENSDARG0000007777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tmsb4x
ENSDARG00000076800	ENSDARP00000108376	tumor necrosis factor receptor superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101104-7]	tnfrsf18
ENSDARG00000069376	ENSDARP00000091671	tumor necrosis factor (ligand) superfamily, member 12 [Source:ZFIN;Acc:ZDB-GENE-060929-376]	tnfsf12
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000068760	ENSDARP00000090344	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomn5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000067717	ENSDARP00000088302	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060825-115]	tomn7
ENSDARG00000089986	ENSDARP00000109756	tumor protein p53 inducible nuclear protein 2 [Source:HGNC Symbol;Acc:HGNC:16104]	TP53INP2
ENSDARG0000010445	ENSDARP00000015662	TraB domain containing [Source:ZFIN;Acc:ZDB-GENE-030131-1301]	trabd
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000076296	ENSDARP00000101057	triple QxxK/R motif containing [Source:ZFIN;Acc:ZDB-GENE-070705-75]	triok
ENSDARG00000097465	ENSDARP00000128834	tRNA methyltransferase 61 homolog B (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26070]	TRMT61B
ENSDARG00000037628	ENSDARP00000054802	tRNA phosphotransferase 1 [Source:ZFIN;Acc:ZDB-GENE-050227-16]	trp1
ENSDARG00000091851	ENSDARP00000095278	tRNA splicing endonuclease 2 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060929-918]	tsen2
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000022160	ENSDARP00000084533	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSDARG00000094675	ENSDARP00000120873	tumor suppressor candidate 5 [Source:HGNC Symbol;Acc:HGNC:29592]	TUSC5
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000052535	ENSDARP00000068895	UBX domain protein 10 [Source:ZFIN;Acc:ZDB-GENE-060825-319]	ubxn10
ENSDARG00000053828	ENSDARP00000093497	UBX domain protein 11 [Source:HGNC Symbol;Acc:HGNC:30600]	UBXN11
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000022340	ENSDARP00000036899	ubiquitin-fold modifier conjugating enzyme 5 [Source:ZFIN;Acc:ZDB-GENE-040801-268]	ufc1
ENSDARG00000089679	ENSDARP00000108066	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	UIMC1
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000092872	ENSDARP00000113175	uroplakin 3b [Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000026664	ENSDARP00000122374	URI1, prefoldin-like chaperone [Source:ZFIN;Acc:ZDB-GENE-050913-30]	uri1
ENSDARG00000091198	ENSDARP00000120675	ubiquitin related modifier 1 [Source:ZFIN;Acc:ZDB-GENE-091204-300]	urm1
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VEGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgef
ENSDARG00000093945	ENSDARP00000117667	VMA21 vacuolar H ⁺ -ATPase homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:22082]	VMA21
ENSDARG00000069161	ENSDARP00000016383	vimentin-type intermediate filament associated coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:33803]	VMAC
ENSDARG00000076373	ENSDARP00000102467	vesicular, overexpressed in cancer, prosurvival protein 1 [Source:ZFIN;Acc:ZDB-GENE-091204-64]	vopp1
ENSDARG00000038979	ENSDARP00000090355	vesicular, overexpressed in cancer, prosurvival protein 1 [Source:HGNC Symbol;Acc:HGNC:34518]	VOPP1
ENSDARG00000087039	ENSDARP00000059369	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A [Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000087191	ENSDARP00000109913	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000088195	ENSDARP00000107587	wu:fb52c12 [Source:ZFIN;Acc:ZDB-GENE-030131-897]	wu:fb52c12
ENSDARG00000088449	ENSDARP00000111969	wu:fb55g09 [Source:ZFIN;Acc:ZDB-GENE-030131-1009]	wu:fb55g09
ENSDARG00000092222	ENSDARP00000120343	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000075205	ENSDARP00000128678	wu:fi04h01 [Source:ZFIN;Acc:ZDB-GENE-030131-5580]	wu:fi04h01
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000075617	ENSDARP00000100554	wu:fu71h07 [Source:ZFIN;Acc:ZDB-GENE-050302-121]	wu:fu71h07
ENSDARG00000011999	ENSDARP00000017065	ybeY metalloproteinase [Source:ZFIN;Acc:ZDB-GENE-030131-437]	ybeY
ENSDARG00000097253	ENSDARP00000118071	YEATS domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25489]	YEATS2
ENSDARG00000069723	ENSDARP00000092460	zinc finger, B-box domain containing [Source:ZFIN;Acc:ZDB-GENE-061207-76]	zbbx
ENSDARG00000078237	ENSDARP00000100073	zinc finger, CCHC domain containing 3 [Source:HGNC Symbol;Acc:HGNC:16230]	ZCCHC3
ENSDARG00000055443	ENSDARP00000106239	zinc finger, CCHC domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-030102-2]	zcchc7
ENSDARG0000006588	ENSDARP00000035524	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983
ENSDARG00000078034	ENSDARP00000123743	zgc:112001 [Source:ZFIN;Acc:ZDB-GENE-050417-178]	zgc:112001
ENSDARG00000042474	ENSDARP00000066582	zgc:112496 [Source:ZFIN;Acc:ZDB-GENE-050320-25]	zgc:112496
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000039364	ENSDARP00000057526	zgc:113019 [Source:ZFIN;Acc:ZDB-GENE-050417-449]	zgc:113019
ENSDARG00000059396	ENSDARP00000076942	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000056650	ENSDARP00000073631	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSDARG00000038271	ENSDARP00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000038898	ENSDARP00000122029	zgc:113691 [Source:ZFIN;Acc:ZDB-GENE-050220-7]	zgc:113691
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652

ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000054054	ENSDARP00000070659	zgc:153219 [Source:ZFIN;Acc:ZDB-GENE-060929-144]	zgc:153219
ENSDARG00000071555	ENSDARP00000105913	zgc:153675 [Source:ZFIN;Acc:ZDB-GENE-061013-567]	zgc:153675
ENSDARG00000020738	ENSDARP00000019585	zgc:153921 [Source:ZFIN;Acc:ZDB-GENE-060929-816]	zgc:153921
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000070312	ENSDARP00000093826	zgc:158320 [Source:ZFIN;Acc:ZDB-GENE-061201-33]	zgc:158320
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000069428	ENSDARP00000091825	zgc:158856 [Source:ZFIN;Acc:ZDB-GENE-070112-1722]	zgc:158856
ENSDARG00000069607	ENSDARP00000039241	zgc:162331 [Source:ZFIN;Acc:ZDB-GENE-070410-75]	zgc:162331
ENSDARG00000070040	ENSDARP00000128148	zgc:162344 [Source:ZFIN;Acc:ZDB-GENE-030131-6058]	zgc:162344
ENSDARG00000091385	ENSDARP00000092040	zgc:165409 [Source:ZFIN;Acc:ZDB-GENE-070615-19]	zgc:165409
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000058829	ENSDARP00000053659	zgc:171424 [Source:ZFIN;Acc:ZDB-GENE-080204-26]	zgc:171424
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000077493	ENSDARP00000096892	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000076721	ENSDARP00000075861	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
ENSDARG00000090490	ENSDARP00000105336	zgc:171695 [Source:ZFIN;Acc:ZDB-GENE-071004-23]	zgc:171695
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000086569	ENSDARP00000114862	zgc:172051 [Source:ZFIN;Acc:ZDB-GENE-080219-23]	zgc:172051
ENSDARG00000078093	ENSDARP00000070340	zgc:172065 [Source:ZFIN;Acc:ZDB-GENE-080214-2]	zgc:172065
ENSDARG00000076146	ENSDARP00000064273	zgc:172075 [Source:ZFIN;Acc:ZDB-GENE-080215-3]	zgc:172075
ENSDARG00000075248	ENSDARP00000076126	zgc:172133 [Source:ZFIN;Acc:ZDB-GENE-080204-48]	zgc:172133
ENSDARG00000074191	ENSDARP00000121967	zgc:172253 [Source:ZFIN;Acc:ZDB-GENE-080215-9]	zgc:172253
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000079278	ENSDARP00000105315	zgc:174877 [Source:ZFIN;Acc:ZDB-GENE-041008-66]	zgc:174877
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000075314	ENSDARP00000097990	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079255	ENSDARP00000124910	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000074809	ENSDARP00000104364	zgc:194392 [Source:ZFIN;Acc:ZDB-GENE-030131-4774]	zgc:194392
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000079697	ENSDARP00000097913	zgc:194908 [Source:ZFIN;Acc:ZDB-GENE-081022-164]	zgc:194908
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000074194	ENSDARP00000128856	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSDARG00000070852	ENSDARP00000095147	zgc:195077 [Source:ZFIN;Acc:ZDB-GENE-080724-9]	zgc:195077
ENSDARG00000076264	ENSDARP00000103963	zgc:195170 [Source:ZFIN;Acc:ZDB-GENE-080723-62]	zgc:195170
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000093754	ENSDARP00000116901	zgc:195195 [Source:ZFIN;Acc:ZDB-GENE-081022-193]	zgc:195195
ENSDARG00000071697	ENSDARP00000096976	zgc:66433 [Source:ZFIN;Acc:ZDB-GENE-030131-9832]	zgc:66433
ENSDARG00000075916	ENSDARP00000119811	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSDARG00000087289	ENSDARP00000099114	zgc:66473 [Source:ZFIN;Acc:ZDB-GENE-030131-5708]	zgc:66473
ENSDARG00000056381	ENSDARP00000073333	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000011026	ENSDARP00000117010	zgc:92907 [Source:ZFIN;Acc:ZDB-GENE-040718-161]	zgc:92907

ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zglp1
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000076988	ENSDARP00000127918	zinc finger protein 839 [Source:ZFIN;Acc:ZDB-GENE-030131-4936]	znf839
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znf11
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000015557	ENSDARP00000019873	novel gene	ENSDARG00000015557
ENSDARG00000029443	ENSDARP00000045108	novel gene	ENSDARG00000029443
ENSDARG00000014975	ENSDARP00000059125	novel gene	ENSDARG00000014975
ENSDARG00000044694	ENSDARP00000065673	novel gene	ENSDARG00000044694
ENSDARG00000029351	ENSDARP00000076453	novel gene	ENSDARG00000029351
ENSDARG00000062828	ENSDARP00000085682	novel gene	ENSDARG00000062828
ENSDARG00000067617	ENSDARP00000088135	novel gene	ENSDARG00000067617
ENSDARG00000069009	ENSDARP00000090818	novel gene	ENSDARG00000069009
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000091772	ENSDARP00000106251	novel gene	ENSDARG00000091772
ENSDARG00000088781	ENSDARP00000106934	novel gene	ENSDARG00000088781
ENSDARG00000090599	ENSDARP00000107267	novel gene	ENSDARG00000090599
ENSDARG00000090379	ENSDARP00000107875	novel gene	ENSDARG00000090379
ENSDARG00000090707	ENSDARP00000108880	novel gene	ENSDARG00000090707
ENSDARG00000087676	ENSDARP00000109198	novel gene	ENSDARG00000087676
ENSDARG00000090354	ENSDARP00000111975	novel gene	ENSDARG00000090354
ENSDARG00000091900	ENSDARP00000114807	novel gene	ENSDARG00000091900
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000039008	ENSDARP00000119404	novel gene	ENSDARG00000039008
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000088556	ENSDARP00000126845	novel gene	ENSDARG00000088556
ENSDARG00000089105	ENSDARP00000127502	novel gene	ENSDARG00000089105
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897

Supplemental table 8. Zebrafish specific genes compared to platyfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSNDARG00000090729	ENSNDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSNDARG00000090124	ENSNDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSNDARG00000060126	ENSNDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSNDARG00000096249	ENSNDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSNDARG00000058488	ENSNDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSNDARG00000038655	ENSNDARP00000056434	adherens junctions associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-041210-353]	ajap1
ENSNDARG00000097014	ENSNDARP00000129824	agtpbp1	agtpbp1
ENSNDARG00000094414	ENSNDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSNDARG00000028804	ENSNDARP00000049398	ankyrin repeat domain 9 [Source:ZFIN;Acc:ZDB-GENE-041114-3]	ankrd9
ENSNDARG00000092170	ENSNDARP00000121190	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSNDARG00000093714	ENSNDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSNDARG00000093453	ENSNDARP00000125812	AT hook, DNA binding motif, containing 1 [Source:ZFIN;Acc:ZDB-GENE-060503-584]	ahdc1
ENSNDARG00000063910	ENSNDARP00000087873	ATP synthase 8, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-19]	mt-atp8
ENSNDARG00000087961	ENSNDARP00000105027	avidin-like (LOC567678), mRNA [Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSNDARG00000092106	ENSNDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSNDARG00000039827	ENSNDARP00000058254	Bardet-Biedl syndrome 5 [Source:ZFIN;Acc:ZDB-GENE-040426-1083]	bb55
ENSNDARG00000069282	ENSNDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSNDARG00000041414	ENSNDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSNDARG00000045549	ENSNDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSNDARG00000079144	ENSNDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bc12l11
ENSNDARG00000090625	ENSNDARP00000107570	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:HGNC:13787]	BCL2L12
ENSNDARG00000058978	ENSNDARP00000076399	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSNDARG00000069290	ENSNDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSNDARG00000057085	ENSNDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSNDARG00000053358	ENSNDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSNDARG00000096603	ENSNDARP00000126692	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSNDARG00000096095	ENSNDARP00000125536	bucky ball [Source:ZFIN;Acc:ZDB-GENE-070117-694]	buc
ENSNDARG00000055070	ENSNDARP00000071850	C10orf32-ASMT readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:49183]	C13H10orf32
ENSNDARG00000045747	ENSNDARP00000116630	cadherin-like and PC-esterase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-041210-247]	cped1
ENSNDARG00000019950	ENSNDARP00000118967	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSNDARG00000058486	ENSNDARP00000075799	calcyphosine 2 [Source:ZFIN;Acc:ZDB-GENE-091204-449]	caps2
ENSNDARG00000055527	ENSNDARP00000108611	callymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSNDARG00000088294	ENSNDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSNDARG00000077240	ENSNDARP00000114499	CD247 antigen like [Source:ZFIN;Acc:ZDB-GENE-070508-2]	cd247l
ENSNDARG00000087508	ENSNDARP00000126284	CD99 molecule-like 2 [Source:HGNC Symbol;Acc:HGNC:18237]	CD99L2
ENSNDARG00000089781	ENSNDARP00000127583	cdkn1a interacting zinc finger protein 1a [Source:ZFIN;Acc:ZDB-GENE-100922-222]	cdz1a
ENSNDARG00000068759	ENSNDARP00000090340	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]	CDCA2
ENSNDARG00000044437	ENSNDARP00000065263	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSNDARG00000091271	ENSNDARP00000120776	centromere protein T [Source:HGNC Symbol;Acc:HGNC:25787]	CENPT
ENSNDARG00000087369	ENSNDARP00000107803	centrosomal protein 162kDa [Source:HGNC Symbol;Acc:HGNC:21107]	CEP162
ENSNDARG00000039411	ENSNDARP00000110117	centrosomal protein 68 [Source:ZFIN;Acc:ZDB-GENE-030616-565]	cep68
ENSNDARG00000075045	ENSNDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSNDARG00000075163	ENSNDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSNDARG00000079713	ENSNDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CAB201016604.1
ENSNDARG00000086468	ENSNDARP00000107283	chemokine CCL-CUe (LOC100000741), mRNA [Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSNDARG00000079337	ENSNDARP00000100718	chemokine CCL-CUj (LOC100216314), mRNA [Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSNDARG00000016290	ENSNDARP00000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSNDARG00000098029	ENSNDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSNDARG00000032885	ENSNDARP00000046158	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Acc:HGNC:28567]	C11H1orf158
ENSNDARG00000034457	ENSNDARP00000048622	chromosome 1 open reading frame 194 [Source:HGNC Symbol;Acc:HGNC:32331]	C8H1orf194
ENSNDARG00000090951	ENSNDARP00000110613	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	C19H1orf216
ENSNDARG00000029859	ENSNDARP00000099275	chromosome 1 open reading frame 228 [Source:HGNC Symbol;Acc:HGNC:34345]	C8H1orf228
ENSNDARG00000071211	ENSNDARP00000095911	chromosome 1 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:28795]	C11H1orf50
ENSNDARG00000086310	ENSNDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H1orf107
ENSNDARG00000069363	ENSNDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H1orf53
ENSNDARG00000076896	ENSNDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C2H10orf67
ENSNDARG00000086970	ENSNDARP00000106442	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C13H1orf71
ENSNDARG00000086945	ENSNDARP00000110271	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C12H1orf71
ENSNDARG00000089024	ENSNDARP00000112494	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Acc:HGNC:26563]	C12H1orf90
ENSNDARG00000090173	ENSNDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSNDARG00000068982	ENSNDARP00000090764	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C10H11orf63
ENSNDARG00000089139	ENSNDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSNDARG00000075203	ENSNDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSNDARG00000097208	ENSNDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSNDARG00000078192	ENSNDARP00000100437	chromosome 12 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26456]	C4H12orf55
ENSNDARG00000045797	ENSNDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSNDARG00000091366	ENSNDARP00000108496	chromosome 14 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:20127]	C17H14orf80
ENSNDARG00000069168	ENSNDARP00000091231	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:24497]	C18H15orf39
ENSNDARG00000093739	ENSNDARP00000116725	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C9H17orf105
ENSNDARG00000089687	ENSNDARP00000129715	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C25H17orf105
ENSNDARG00000096749	ENSNDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSNDARG00000052176	ENSNDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSNDARG00000078140	ENSNDARP00000101672	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]	C13H2orf50
ENSNDARG00000089552	ENSNDARP00000109836	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:26850]	C13H2orf61
ENSNDARG00000089110	ENSNDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSNDARG00000094037	ENSNDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H20orf96

ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]	C6H21orf58
ENSDARG00000086324	ENSDARP00000109297	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc:HGNC:25024]	C11H3orf14
ENSDARG00000043566	ENSDARP00000115468	chromosome 3 open reading frame 17 [Source:HGNC Symbol;Acc:HGNC:24496]	C9H3orf17
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	CSH3orf30
ENSDARG00000090747	ENSDARP00000104703	chromosome 5 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:20656]	C21H5orf15
ENSDARG00000093498	ENSDARP00000098404	chromosome 5 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:25052]	C10H5orf30
ENSDARG00000092776	ENSDARP00000118420	chromosome 5 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:25801]	C10H5orf42
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000074049	ENSDARP00000103805	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:27028]	C19H5orf49
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:13677]	C5H9orf9
ENSDARG00000086728	ENSDARP00000106158	chromosome X open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:26356]	C2v9_scaffold3516HXorf58
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14HXorf65
ENSDARG00000087655	ENSDARP00000106337	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSDARG00000079368	ENSDARP00000100579	claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]	LDN18
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103 [Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccdc103
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000056477	ENSDARP00000089271	coiled-coil domain containing 125 [Source:ZFIN;Acc:ZDB-GENE-060526-104]	ccdc125
ENSDARG00000090554	ENSDARP00000111939	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSDARG00000086557	ENSDARP00000108741	coiled-coil domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-120215-134]	ccdc14
ENSDARG00000091927	ENSDARP00000059450	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000047800	ENSDARP00000024005	coiled-coil domain containing 142 [Source:HGNC Symbol;Acc:HGNC:25889]	CCDC142
ENSDARG00000067517	ENSDARP00000087932	coiled-coil domain containing 15 [Source:HGNC Symbol;Acc:HGNC:25798]	CCDC15
ENSDARG00000090935	ENSDARP00000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000016161	ENSDARP00000109073	coiled-coil domain containing 170 [Source:ZFIN;Acc:ZDB-GENE-070112-162]	ccdc170
ENSDARG00000089320	ENSDARP00000129277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSDARG00000090429	ENSDARP00000116840	coiled-coil domain containing 178 [Source:HGNC Symbol;Acc:HGNC:29588]	CCDC178
ENSDARG00000051858	ENSDARP00000068063	coiled-coil domain containing 33 [Source:ZFIN;Acc:ZDB-GENE-101011-1]	ccdc33
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000035550	ENSDARP00000051529	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccdc42b
ENSDARG00000071314	ENSDARP00000096141	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000093805	ENSDARP00000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccdc73
ENSDARG00000093026	ENSDARP00000120045	coiled-coil domain containing 74B [Source:HGNC Symbol;Acc:HGNC:25267]	CCDC74B
ENSDARG00000030095	ENSDARP00000042272	coiled-coil domain containing 78 [Source:ZFIN;Acc:ZDB-GENE-060301-1]	ccdc78
ENSDARG00000071719	ENSDARP00000103987	coiled-coil domain containing 83 [Source:ZFIN;Acc:ZDB-GENE-130723-1]	ccdc83
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000035963	ENSDARP00000052200	coiled-coil domain containing 96 [Source:ZFIN;Acc:ZDB-GENE-081022-156]	ccdc96
ENSDARG00000010717	ENSDARP00000005265	coiled-coil-helix-coiled-coil-helix domain containing 10 [Source:ZFIN;Acc:ZDB-GENE-040426-1753]	chchd10
ENSDARG00000059304	ENSDARP00000076823	coiled-coil-helix-coiled-coil-helix domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1737]	chchd2
ENSDARG00000091006	ENSDARP00000108248	cordons-bleu homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-091020-11]	cobl
ENSDARG00000090332	ENSDARP00000110744	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000070119	ENSDARP00000093415	CTS telomere maintenance complex component 1 [Source:ZFIN;Acc:ZDB-GENE-061103-271]	ctc1
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxc64
ENSDARG00000091489	ENSDARP00000106270	cyclic nucleotide binding domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26663]	CNBD1
ENSDARG00000087505	ENSDARP00000107706	cysteine/tyrosine-rich 1 [Source:HGNC Symbol;Acc:HGNC:16274]	CYR1
ENSDARG00000075181	ENSDARP00000090421	cytokine receptor family member B16 [Source:ZFIN;Acc:ZDB-GENE-071120-9]	crfb16
ENSDARG00000037172	ENSDARP00000054056	DDR1 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1050]	ddrgk1
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	DELEU7
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicp1.1
ENSDARG00000068655	ENSDARP00000090162	DNL-type zinc finger [Source:ZFIN;Acc:ZDB-GENE-070112-1482]	dnlz
ENSDARG00000042937	ENSDARP00000098468	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HGNC:24204]	EFCAB6
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000070242	ENSDARP00000093713	endonuclease domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29129]	ENDOD1
ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSDARG00000074915	ENSDARP00000126690	Ewing tumor-associated antigen 1 [Source:ZFIN;Acc:ZDB-GENE-080204-12]	etaa1
ENSDARG00000042727	ENSDARP00000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	EXO5
ENSDARG00000066474	ENSDARP00000053859	family with sequence similarity 154, member B [Source:ZFIN;Acc:ZDB-GENE-051127-27]	fam154b
ENSDARG00000042936	ENSDARP00000063033	family with sequence similarity 228, member A [Source:ZFIN;Acc:ZDB-GENE-041014-83]	fam228a
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000035193	ENSDARP00000050978	family with sequence similarity 81, member B [Source:HGNC Symbol;Acc:HGNC:26335]	FAM81B
ENSDARG00000042222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8 [Source:ZFIN;Acc:ZDB-GENE-051120-81]	fbxl8
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]	FHAD1
ENSDARG00000087620	ENSDARP00000111334	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000068850	ENSDARP00000090488	fragile histidine triad gene [Source:ZFIN;Acc:ZDB-GENE-040426-1703]	fhit
ENSDARG00000074356	ENSDARP00000115873	frataxin [Source:ZFIN;Acc:ZDB-GENE-070209-286]	fxn
ENSDARG00000079730	ENSDARP00000103777	fuzzy planar cell polarity protein [Source:HGNC Symbol;Acc:HGNC:26219]	FUZ
ENSDARG00000038700	ENSDARP00000056518	G protein-coupled receptor 160 [Source:ZFIN;Acc:ZDB-GENE-081022-189]	gpr160
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin prohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl

ENSDARG00000029051	ENSDARP00000125088	glucan (1,4-alpha-), branching enzyme 1 [Source:HGNC Symbol;Acc:HGNC:4180]	GBE1
ENSDARG00000090936	ENSDARP00000106252	glutamate-rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]	ERICH2
ENSDARG00000040059	ENSDARP00000058586	glycogen synthase kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-990714-7]	gpbp
ENSDARG00000089310	ENSDARP00000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000068210	ENSDARP00000089274	HAUS augmin-like complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5517]	haus6
ENSDARG00000034222	ENSDARP00000043665	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	HS1BP3
ENSDARG00000090753	ENSDARP00000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000067777	ENSDARP00000088395	heat shock protein family B (small), member 11 [Source:HGNC Symbol;Acc:HGNC:25019]	HSPB11
ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	helb
ENSDARG00000087842	ENSDARP00000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HLHA1
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmgai1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmgai2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmgn2
ENSDARG00000086614	ENSDARP00000106634	histone cluster 1, H4c [Source:HGNC Symbol;Acc:HGNC:4787]	HIST1H4C
ENSDARG00000090893	ENSDARP00000111526	histone cluster 1, H4h [Source:HGNC Symbol;Acc:HGNC:4788]	HIST1H4H
ENSDARG00000089437	ENSDARP00000109355	histone cluster 1, H4j [Source:HGNC Symbol;Acc:HGNC:4785]	HIST1H4J
ENSDARG00000087543	ENSDARP00000129378	histone cluster 1, H4k [Source:HGNC Symbol;Acc:HGNC:4784]	HIST1H4K
ENSDARG00000087670	ENSDARP00000107148	histone cluster 2, H4a [Source:HGNC Symbol;Acc:HGNC:4794]	HIST2H4A
ENSDARG00000091313	ENSDARP00000107547	histone cluster 4, H4 [Source:HGNC Symbol;Acc:HGNC:20510]	HIST4H4
ENSDARG00000062904	ENSDARP00000085896	iduronidase, alpha-L [Source:ZFIN;Acc:ZDB-GENE-060526-29]	idua
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000090953	ENSDARP00000111049	immunoglobulin superfamily, member 5 [Source:HGNC Symbol;Acc:HGNC:5952]	IGSF5
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnphi2
ENSDARG00000070676	ENSDARP00000094768	interferon phi 3 [Source:ZFIN;Acc:ZDB-GENE-071128-2]	ifnphi3
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000078970	ENSDARP00000119705	interleukin 7 receptor [Source:ZFIN;Acc:ZDB-GENE-080110-7]	il7r
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000035551	ENSDARP00000051530	IQ motif containing D [Source:ZFIN;Acc:ZDB-GENE-060526-200]	iqcd
ENSDARG00000068678	ENSDARP00000090196	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	IQCG
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000094801	ENSDARP00000117579	l(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	l3mbt1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRC49
ENSDARG00000033227	ENSDARP00000038063	leukocyte cell-derived chemotaxin 2 like [Source:ZFIN;Acc:ZDB-GENE-070127-4]	lect2l
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRIF1
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000088040	ENSDARP00000108620	magnesium-dependent phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28781]	MDP1
ENSDARG00000035715	ENSDARP00000051803	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSDARG00000045705	ENSDARP00000067188	meiosis expressed gene 1 homolog [Source:ZFIN;Acc:ZDB-GENE-050320-33]	meig1
ENSDARG00000043912	ENSDARP00000064482	meiosis-specific, MEI4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040724-211]	mei4
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrmp
ENSDARG00000060395	ENSDARP00000079481	melanoma associated antigen (mutated) 1-like 1 [Source:HGNC Symbol;Acc:HGNC:26583]	MUM111
ENSDARG00000043798	ENSDARP00000112751	membrane-spanning 4-domains, subfamily A, member 17A.1 [Source:ZFIN;Acc:ZDB-GENE-050417-307]	ms4a17a.1
ENSDARG00000095695	ENSDARP00000128521	membrane-spanning 4-domains, subfamily A, member 17A.10 [Source:ZFIN;Acc:ZDB-GENE-080829-3]	ms4a17a.10
ENSDARG00000053561	ENSDARP00000024147	membrane-spanning 4-domains, subfamily A, member 17A.11 [Source:ZFIN;Acc:ZDB-GENE-050417-157]	ms4a17a.11
ENSDARG00000094809	ENSDARP00000120959	membrane-spanning 4-domains, subfamily A, member 17A.14 [Source:ZFIN;Acc:ZDB-GENE-070705-363]	ms4a17a.14
ENSDARG00000093546	ENSDARP00000007146	membrane-spanning 4-domains, subfamily A, member 17A.2 [Source:ZFIN;Acc:ZDB-GENE-070705-367]	ms4a17a.2
ENSDARG00000091970	ENSDARP00000128604	membrane-spanning 4-domains, subfamily A, member 17A.3 [Source:ZFIN;Acc:ZDB-GENE-080829-1]	ms4a17a.3
ENSDARG00000014024	ENSDARP00000076558	membrane-spanning 4-domains, subfamily A, member 17A.4 [Source:ZFIN;Acc:ZDB-GENE-070822-16]	ms4a17a.4
ENSDARG00000092204	ENSDARP00000115019	membrane-spanning 4-domains, subfamily A, member 17A.5 [Source:ZFIN;Acc:ZDB-GENE-040912-55]	ms4a17a.5
ENSDARG00000007018	ENSDARP00000070084	membrane-spanning 4-domains, subfamily A, member 17A.6 [Source:ZFIN;Acc:ZDB-GENE-070209-265]	ms4a17a.6
ENSDARG00000043796	ENSDARP00000064311	membrane-spanning 4-domains, subfamily A, member 17A.7 [Source:ZFIN;Acc:ZDB-GENE-080829-2]	ms4a17a.7
ENSDARG00000094854	ENSDARP00000116235	membrane-spanning 4-domains, subfamily A, member 17A.8 [Source:ZFIN;Acc:ZDB-GENE-070705-365]	ms4a17a.8

ENSDARG00000043802	ENSDARP00000120897	membrane-spanning 4-domains, subfamily A, member 17A.9 [Source:ZFIN;Acc:ZDB-GENE-050320-79]	ms4a17a.9
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000078241	ENSDARP00000098914	microtubule-associated protein 7 [Source:HGNC Symbol;Acc:HGNC:6869]	MAP7
ENSDARG00000042563	ENSDARP00000101196	MIS18 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:20190]	MIS18BP1
ENSDARG00000070607	ENSDARP00000094638	mitochondrial ribosomal protein L36 [Source:ZFIN;Acc:ZDB-GENE-060503-821]	mrpl36
ENSDARG00000033973	ENSDARP00000123077	mitochondrial ribosomal protein S23 [Source:ZFIN;Acc:ZDB-GENE-040801-134]	mrps23
ENSDARG00000055679	ENSDARP00000072515	mitochondrial translation optimization 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-070209-253]	mt01
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mplkip
ENSDARG00000069566	ENSDARP00000116854	mucin, multiple PTS and SEA group, member 1 [Source:ZFIN;Acc:ZDB-GENE-061009-17]	mucms1
ENSDARG00000018040	ENSDARP00000127826	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils [Source:ZFIN;Acc:ZDB-GENE-121023-2]	msantd4
ENSDARG00000071026	ENSDARP00000095520	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	mlt11
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nk3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nk3l
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000076379	ENSDARP00000100432	non-SMC element 2, MMS21 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26513]	NSMCE2
ENSDARG00000036743	ENSDARP00000067958	Novel immune-type receptor 7b; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q5YB50]	NITR7B
ENSDARG00000022777	ENSDARP00000018018	nuclear casein kinase and cyclin-dependent kinase substrate 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4544]	nucks1b
ENSDARG00000075693	ENSDARP00000101596	nuclear fragile X mental retardation protein interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8057]	NUFIP1
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000022461	ENSDARP00000032384	nudix (nucleoside diphosphate linked moiety X)-type motif 15 [Source:ZFIN;Acc:ZDB-GENE-040625-95]	nudt15
ENSDARG00000008014	ENSDARP00000006375	nudix (nucleoside diphosphate linked moiety X)-type motif 17 [Source:ZFIN;Acc:ZDB-GENE-050913-50]	nudt17
ENSDARG00000035095	ENSDARP00000042440	one-eyed pinhead [Source:ZFIN;Acc:ZDB-GENE-990415-198]	oep
ENSDARG00000076474	ENSDARP00000097506	oogenesis-related gene [Source:ZFIN;Acc:ZDB-GENE-050208-584]	org
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000075682	ENSDARP00000101426	origin recognition complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2976]	orc6
ENSDARG00000093738	ENSDARP00000118323	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSDARG00000091961	ENSDARP00000118249	parathyroid hormone 1b [Source:ZFIN;Acc:ZDB-GENE-040623-2]	pth1b
ENSDARG00000071727	ENSDARP0000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000022232	ENSDARP00000038241	peter pan homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030114-4]	ppan
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000063559	ENSDARP00000087423	phosphatidylinositol glycan anchor biosynthesis, class X [Source:ZFIN;Acc:ZDB-GENE-070705-212]	pigx
ENSDARG00000092513	ENSDARP00000113826	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000090526	ENSDARP00000093251	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:HGNC:26285]	PLEKHS1
ENSDARG00000090335	ENSDARP00000104675	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000045486	ENSDARP00000066896	PRKc, apoptosis, WT1, regulator [Source:ZFIN;Acc:ZDB-GENE-041010-108]	pawr
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000087393	ENSDARP00000076880	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	pr11
ENSDARG00000097224	ENSDARP00000127713	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000088343	ENSDARP00000108434	proline-rich transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37280]	PRRT4
ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000069135	ENSDARP00000091169	protein phosphatase 1, regulatory subunit 15A [Source:ZFIN;Acc:ZDB-GENE-030131-4408]	ppp1r15a
ENSDARG00000068916	ENSDARP00000059871	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSDARG00000021113	ENSDARP00000090993	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000018918	ENSDARP00000113849	RAD17 homolog (S. pombe) [Source:ZFIN;Acc:ZDB-GENE-040718-409]	rad17
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rltgr
ENSDARG00000071876	ENSDARP00000063558	REL2-like 2 [Source:HGNC Symbol;Acc:HGNC:26902]	RELL2
ENSDARG00000059238	ENSDARP00000021982	reticulum 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000040713	ENSDARP00000095196	retinoblastoma binding protein 9 [Source:ZFIN;Acc:ZDB-GENE-050208-692]	rbbp9
ENSDARG00000092463	ENSDARP00000113874	rhomboid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhbd2
ENSDARG00000076360	ENSDARP00000103328	ribosomal protein L37 [Source:ZFIN;Acc:ZDB-GENE-040625-39]	rpl37
ENSDARG00000091124	ENSDARP00000114288	ribosomal protein S19 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-110316-2]	rps19bp1
ENSDARG00000073705	ENSDARP00000114038	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rba
ENSDARG00000077459	ENSDARP00000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000092018	ENSDARP00000119884	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSDARG00000060035	ENSDARP00000078614	ring finger protein 32 [Source:ZFIN;Acc:ZDB-GENE-061013-39]	rf32
ENSDARG00000094896	ENSDARP00000113002	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:27223]	RBM33
ENSDARG00000069758	ENSDARP00000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000076148	ENSDARP00000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000095590	ENSDARP00000115588	secreted phosphoprotein 2, 24kDa [Source:HGNC Symbol;Acc:HGNC:11256]	SPP2
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6

ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000038228	ENSDARP00000057444	selenoprotein W, 2a [Source:ZFIN;Acc:ZDB-GENE-030428-1]	sepw2a
ENSDARG00000089936	ENSDARP00000107655	selenoprotein W, 2b [Source:ZFIN;Acc:ZDB-GENE-030428-2]	sepw2b
ENSDARG00000096801	ENSDARP00000127421	[Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	sergn
ENSDARG00000095515	ENSDARP00000121586	serologically defined colon cancer antigen 3 [Source:ZFIN;Acc:ZDB-GENE-060526-242]	sdcca3
ENSDARG00000089795	ENSDARP00000111763	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	SERTAD4
ENSDARG00000045999	ENSDARP00000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	saa
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	spm
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	spm2
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000092858	ENSDARP00000118598	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143i10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143i10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270i17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270i17.3
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-1100922-74]	si:ch1073-394i4.1
ENSDARG00000097309	ENSDARP00000128603	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-416d2.4
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000079387	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000093821	ENSDARP00000112784	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000075366	ENSDARP00000101862	si:ch211-113a14.10 [Source:ZFIN;Acc:ZDB-GENE-121214-176]	si:ch211-113a14.10
ENSDARG00000087472	ENSDARP00000111786	si:ch211-113a14.13 [Source:ZFIN;Acc:ZDB-GENE-121214-177]	si:ch211-113a14.13
ENSDARG00000097488	ENSDARP00000077832	si:ch211-113a14.17 [Source:ZFIN;Acc:ZDB-GENE-121214-187]	si:ch211-113a14.17
ENSDARG00000070285	ENSDARP00000101311	si:ch211-113a14.21 [Source:ZFIN;Acc:ZDB-GENE-121214-197]	si:ch211-113a14.21
ENSDARG00000087236	ENSDARP00000109299	si:ch211-113a14.26 [Source:ZFIN;Acc:ZDB-GENE-121214-196]	si:ch211-113a14.26
ENSDARG00000089823	ENSDARP00000111930	si:ch211-113a14.6 [Source:ZFIN;Acc:ZDB-GENE-121214-170]	si:ch211-113a14.6
ENSDARG00000076585	ENSDARP00000098389	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSDARG00000087835	ENSDARP00000116673	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000095049	ENSDARP00000122846	si:ch211-122i24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122i24.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122i24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122i24.3
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-44]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7

ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000070652	ENSDARP00000077673	si:ch211-134a4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-523]	si:ch211-134a4.1
ENSDARG00000087076	ENSDARP00000106633	si:ch211-134a4.2 [Source:ZFIN;Acc:ZDB-GENE-131127-450]	si:ch211-134a4.2
ENSDARG00000087608	ENSDARP00000111037	si:ch211-134a4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-479]	si:ch211-134a4.3
ENSDARG00000086843	ENSDARP00000106340	si:ch211-134a4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-265]	si:ch211-134a4.4
ENSDARG00000068861	ENSDARP00000090515	si:ch211-134a4.5 [Source:ZFIN;Acc:ZDB-GENE-131127-630]	si:ch211-134a4.5
ENSDARG00000097484	ENSDARP00000127781	si:ch211-134a4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-380]	si:ch211-134a4.6
ENSDARG00000090905	ENSDARP00000104681	si:ch211-134a4.8 [Source:ZFIN;Acc:ZDB-GENE-131121-290]	si:ch211-134a4.8
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-526]	si:ch211-147g22.7
ENSDARG00000094469	ENSDARP00000112582	si:ch211-148i7.4 [Source:ZFIN;Acc:ZDB-GENE-090313-38]	si:ch211-148i7.4
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000097936	ENSDARP00000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000094977	ENSDARP00000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSDARG00000093048	ENSDARP00000122642	si:ch211-158d24.4 [Source:ZFIN;Acc:ZDB-GENE-081104-141]	si:ch211-158d24.4
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000093015	ENSDARP00000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4
ENSDARG00000086802	ENSDARP00000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000097617	ENSDARP00000129813	si:ch211-178n15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-24]	si:ch211-178n15.1
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000090807	ENSDARP00000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000094059	ENSDARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6

ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000092423	ENSDARP00000115162	si:ch211-202a12.7 [Source:ZFIN;Acc:ZDB-GENE-060526-77]	si:ch211-202a12.7
ENSDARG00000094706	ENSDARP00000112794	si:ch211-202a12.8 [Source:ZFIN;Acc:ZDB-GENE-060526-78]	si:ch211-202a12.8
ENSDARG00000093779	ENSDARP00000116772	si:ch211-202a12.9 [Source:ZFIN;Acc:ZDB-GENE-060526-79]	si:ch211-202a12.9
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000096060	ENSDARP00000125562	si:ch211-202c4.2 [Source:ZFIN;Acc:ZDB-GENE-100922-179]	si:ch211-202c4.2
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000096955	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000097345	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095344	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000094038	ENSDARP00000118164	si:ch211-226f6.1 [Source:ZFIN;Acc:ZDB-GENE-070912-217]	si:ch211-226f6.1
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000094385	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG00000097948	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-400]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000097032	ENSDARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-40]	si:ch211-260d11.1
ENSDARG00000097284	ENSDARP00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDARG00000091695	ENSDARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDARG00000070898	ENSDARP00000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6

ENSDARG00000097093 ENSDARPO0000127878 si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559] si:ch211-273k1.5
ENSDARG00000093862 ENSDARPO0000123848 si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199] si:ch211-274k16.2
ENSDARG00000095918 ENSDARPO0000125096 si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30] si:ch211-274k16.9
ENSDARG00000095185 ENSDARPO0000120672 si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265] si:ch211-274p24.2
ENSDARG00000096398 ENSDARPO0000125977 si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248] si:ch211-276a17.5
ENSDARG00000096800 ENSDARPO0000127131 si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84] si:ch211-277e21.1
ENSDARG00000093992 ENSDARPO0000121007 si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222] si:ch211-279g13.1
ENSDARG00000096571 ENSDARPO0000126897 si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273] si:ch211-281p14.2
ENSDARG00000092515 ENSDARPO0000116570 si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151] si:ch211-283g2.2
ENSDARG00000096859 ENSDARPO0000129636 si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605] si:ch211-286b4.4
ENSDARG00000096514 ENSDARPO0000127088 si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251] si:ch211-286b5.2
ENSDARG00000095159 ENSDARPO0000114427 si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164] si:ch211-286j13.1
ENSDARG00000093650 ENSDARPO0000123873 si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146] si:ch211-287n14.3
ENSDARG00000070959 ENSDARPO0000095391 si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461] si:ch211-288g17.3
ENSDARG00000070960 ENSDARPO0000115754 si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62] si:ch211-288g17.4
ENSDARG00000093376 ENSDARPO0000120809 si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111] si:ch211-28e16.5
ENSDARG00000097340 ENSDARPO0000129747 si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201] si:ch211-33e4.2
ENSDARG00000097793 ENSDARPO0000127558 si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217] si:ch211-33e4.3
ENSDARG00000055506 ENSDARPO0000128361 si:ch211-37e10.1 [Source:ZFIN;Acc:ZDB-GENE-131127-547] si:ch211-37e10.1
ENSDARG00000097855 ENSDARPO0000128446 si:ch211-3o3.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12] si:ch211-3o3.9
ENSDARG00000097264 ENSDARPO0000129788 si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368] si:ch211-40k21.5
ENSDARG00000045914 ENSDARPO0000067488 si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-060131-8279] si:ch211-51e12.7
ENSDARG00000097600 ENSDARPO0000128731 si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531] si:ch211-66h3.4
ENSDARG00000069978 ENSDARPO0000093072 si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309] si:ch211-67e16.2
ENSDARG00000078193 ENSDARPO0000098577 si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310] si:ch211-67e16.3
ENSDARG00000086317 ENSDARPO0000105628 si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311] si:ch211-67e16.4
ENSDARG00000092896 ENSDARPO0000113178 si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129] si:ch211-67f24.7
ENSDARG00000095011 ENSDARPO0000113662 si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179] si:ch211-67n3.9
ENSDARG00000096491 ENSDARPO0000126367 si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61] si:ch211-73m21.1
ENSDARG00000095827 ENSDARPO0000124563 si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136] si:ch211-76m11.15
ENSDARG00000095618 ENSDARPO0000119711 si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279] si:ch211-76m11.7
ENSDARG00000078522 ENSDARPO0000107187 si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257] si:ch211-80h18.1
ENSDARG00000096346 ENSDARPO0000126301 si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137] si:ch211-85n16.3
ENSDARG00000092997 ENSDARPO0000118526 si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8] si:ch211-89o5.1
ENSDARG00000054528 ENSDARPO0000099406 si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283] si:ch211-93e11.8
ENSDARG00000093602 ENSDARPO0000112743 si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703] si:ch211-93g21.1
ENSDARG00000092842 ENSDARPO0000116152 si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799] si:ch211-93g21.2
ENSDARG00000092580 ENSDARPO0000118841 si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307] si:ch211-95j8.3
ENSDARG00000093432 ENSDARPO0000115494 si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800] si:ch211-9n13.3
ENSDARG00000095944 ENSDARPO0000124130 si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42] si:ch73-103b2.1
ENSDARG00000092489 ENSDARPO0000113174 si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199] si:ch73-103b9.2
ENSDARG00000096505 ENSDARPO0000127041 si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226] si:ch73-103l1.2
ENSDARG00000095171 ENSDARPO0000120565 si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219] si:ch73-106n3.1
ENSDARG00000092206 ENSDARPO0000114379 si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267] si:ch73-106n3.2
ENSDARG00000052019 ENSDARPO0000124906 si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256] si:ch73-109d9.1
ENSDARG00000093126 ENSDARPO0000114574 si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14] si:ch73-112l6.1
ENSDARG00000096628 ENSDARPO0000126946 si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407] si:ch73-119o17.1
ENSDARG00000095655 ENSDARPO0000118029 si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202] si:ch73-124g13.6
ENSDARG00000075349 ENSDARPO0000098143 si:ch73-138n13.1 [Source:ZFIN;Acc:ZDB-GENE-091204-448] si:ch73-138n13.1
ENSDARG00000079901 ENSDARPO0000121324 si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323] si:ch73-15n24.1
ENSDARG00000097430 ENSDARPO0000128221 si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593] si:ch73-160l8.2
ENSDARG00000097520 ENSDARPO0000128667 si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334] si:ch73-167f10.1
ENSDARG00000094978 ENSDARPO0000121859 si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333] si:ch73-18b11.2
ENSDARG00000094206 ENSDARPO0000122367 si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62] si:ch73-191k20.3
ENSDARG00000096524 ENSDARPO0000126781 si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266] si:ch73-193i22.1
ENSDARG00000094521 ENSDARPO0000119383 si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173] si:ch73-194h10.3
ENSDARG00000094281 ENSDARPO0000120402 si:ch73-196i15.3 [Source:ZFIN;Acc:ZDB-GENE-091116-4] si:ch73-196i15.3
ENSDARG00000094914 ENSDARPO0000113125 si:ch73-196i15.5 [Source:ZFIN;Acc:ZDB-GENE-091118-32] si:ch73-196i15.5
ENSDARG00000097902 ENSDARPO0000128315 si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49] si:ch73-204p21.2
ENSDARG00000052879 ENSDARPO0000127662 si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360] si:ch73-207h17.1
ENSDARG00000097148 ENSDARPO0000127951 si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55] si:ch73-21b16.1
ENSDARG00000095763 ENSDARPO0000119322 si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20] si:ch73-222f22.2
ENSDARG00000097065 ENSDARPO0000128941 si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616] si:ch73-223p23.2
ENSDARG00000058782 ENSDARPO0000128803 si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474] si:ch73-242m19.1
ENSDARG00000088283 ENSDARPO0000108589 si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255] si:ch73-248e21.5
ENSDARG00000097420 ENSDARPO0000128133 si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255] si:ch73-250a16.5
ENSDARG00000071653 ENSDARPO0000122897 si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223] si:ch73-256j6.2
ENSDARG00000094604 ENSDARPO0000113542 si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224] si:ch73-256j6.3
ENSDARG00000095398 ENSDARPO0000117799 si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226] si:ch73-256j6.6
ENSDARG00000095975 ENSDARPO0000124825 si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164] si:ch73-261i21.2
ENSDARG00000096305 ENSDARPO0000125690 si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13] si:ch73-269m14.3
ENSDARG00000095296 ENSDARPO0000112878 si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246] si:ch73-274k23.1
ENSDARG00000092266 ENSDARPO0000117714 si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230] si:ch73-27e22.2
ENSDARG00000077263 ENSDARPO0000096868 si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231] si:ch73-27e22.3
ENSDARG00000031731 ENSDARPO0000093537 si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234] si:ch73-27e22.6
ENSDARG00000093345 ENSDARPO0000119572 si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235] si:ch73-27e22.7
ENSDARG00000097503 ENSDARPO0000127540 si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416] si:ch73-288o11.5
ENSDARG00000096669 ENSDARPO0000127089 si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288] si:ch73-301j1.1
ENSDARG00000073787 ENSDARPO0000097500 si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391] si:ch73-303b9.1

ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-3019.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-3019.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000090941	ENSDARP00000112034	si:ch73-36p18.4 [Source:ZFIN;Acc:ZDB-GENE-131127-177]	si:ch73-36p18.4
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000097527	ENSDARP00000129687	si:ch73-56d11.3 [Source:ZFIN;Acc:ZDB-GENE-131126-22]	si:ch73-56d11.3
ENSDARG00000053563	ENSDARP00000070081	si:ch73-56d11.4 [Source:ZFIN;Acc:ZDB-GENE-131125-46]	si:ch73-56d11.4
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093463	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3 [Source:ZFIN;Acc:ZDB-GENE-091204-230]	si:dkey-102g19.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106i3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106i3.7
ENSDARG00000090149	ENSDARP00000107028	si:dkey-108k21.18 [Source:ZFIN;Acc:ZDB-GENE-131121-139]	si:dkey-108k21.18
ENSDARG00000089737	ENSDARP00000109257	si:dkey-108k21.23 [Source:ZFIN;Acc:ZDB-GENE-131121-114]	si:dkey-108k21.23
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114l24.2
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000094859	ENSDARP00000120716	si:dkey-11o15.10 [Source:ZFIN;Acc:ZDB-GENE-091204-312]	si:dkey-11o15.10
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3 [Source:ZFIN;Acc:ZDB-GENE-121214-324]	si:dkey-162h11.3
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000092593	ENSDARP00000116632	si:dkey-174k12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-174k12.3
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10

ENSDARG00000092895	ENSDARP0000012849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000094012	ENSDARP00000112918	si:dkey-192g7.3 [Source:ZFIN;Acc:ZDB-GENE-070912-411]	si:dkey-192g7.3
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096971	ENSDARP00000128158	si:dkey-206p8.1 [Source:ZFIN;Acc:ZDB-GENE-131127-460]	si:dkey-206p8.1
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000074668	ENSDARP00000120286	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092044	ENSDARP00000115590	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234l24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234l24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234l24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234l24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093512	ENSDARP00000116085	si:dkey-238j22.1 [Source:ZFIN;Acc:ZDB-GENE-070705-398]	si:dkey-238j22.1
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000069189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087655	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3

ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24111.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24111.3
ENSDARG00000097126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000090591	ENSDARP00000110935	si:dkey-261m9.13 [Source:ZFIN;Acc:ZDB-GENE-131127-154]	si:dkey-261m9.13
ENSDARG00000076930	ENSDARP00000101467	si:dkey-261m9.9 [Source:ZFIN;Acc:ZDB-GENE-030131-5087]	si:dkey-261m9.9
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000098938	ENSDARP00000112312	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088800	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000056669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000068398	ENSDARP00000089681	si:dkey-3b8.4 [Source:ZFIN;Acc:ZDB-GENE-050419-24]	si:dkey-3b8.4
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000052912	ENSDARP00000127658	si:dkey-57n24.6 [Source:ZFIN;Acc:ZDB-GENE-130530-641]	si:dkey-57n24.6
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10

ENSDARG00000096506 ENSDARPO0000126691 si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27] sid:key-58j15.11
ENSDARG00000092304 ENSDARPO0000118255 si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643] sid:key-59i11.7
ENSDARG00000094869 ENSDARPO0000117002 si:dkey-5n7.2 [Source:ZFIN;Acc:ZDB-GENE-050420-254] sid:key-5n7.2
ENSDARG00000075480 ENSDARPO0000123308 si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-48] sid:key-63d15.12
ENSDARG00000092311 ENSDARPO0000116414 si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324] sid:key-65b12.10
ENSDARG00000094458 ENSDARPO0000119745 si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325] sid:key-65b12.12
ENSDARG00000095565 ENSDARPO0000117103 si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216] sid:key-65b13.1
ENSDARG00000093234 ENSDARPO0000116561 si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12] sid:key-65i23.2
ENSDARG00000092845 ENSDARPO0000117574 si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321] sid:key-66g10.2
ENSDARG00000096714 ENSDARPO0000127368 si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106] sid:key-66i24.7
ENSDARG00000092926 ENSDARPO0000120062 si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927] sid:key-66k12.3
ENSDARG00000097360 ENSDARPO0000128714 si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65] sid:key-66l17.4
ENSDARG00000093426 ENSDARPO0000121229 si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48] sid:key-69c1.1
ENSDARG00000094001 ENSDARPO0000115231 si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128] sid:key-6a5.3
ENSDARG00000097496 ENSDARPO0000127566 si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72] sid:key-6e2.2
ENSDARG00000093660 ENSDARPO0000117679 si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339] sid:key-6f10.3
ENSDARG00000092390 ENSDARPO0000120910 si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340] sid:key-6f10.4
ENSDARG00000097846 ENSDARPO0000129144 si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415] sid:key-74h17.3
ENSDARG00000093188 ENSDARPO0000117321 si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823] sid:key-75a21.2
ENSDARG00000020548 ENSDARPO0000025659 si:dkey-77f5.10 [Source:ZFIN;Acc:ZDB-GENE-131121-133] sid:key-77f5.10
ENSDARG00000094399 ENSDARPO0000117342 si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740] sid:key-78k11.4
ENSDARG00000096096 ENSDARPO0000125396 si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149] sid:key-78k22.2
ENSDARG00000096482 ENSDARPO0000126413 si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79] sid:key-78o7.3
ENSDARG00000089123 ENSDARPO0000107117 si:dkey-79d12.2 [Source:ZFIN;Acc:ZDB-GENE-131121-604] sid:key-79d12.2
ENSDARG00000097225 ENSDARPO0000128668 si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253] sid:key-79d12.6
ENSDARG00000041433 ENSDARPO0000060743 si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63] sid:key-7c18.24
ENSDARG00000097172 ENSDARPO0000128156 si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39] sid:key-7i4.12
ENSDARG00000097551 ENSDARPO0000128206 si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129] sid:key-7i4.15
ENSDARG00000097125 ENSDARPO0000128922 si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434] sid:key-7i4.23
ENSDARG00000096906 ENSDARPO0000127909 si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157] sid:key-7i4.24
ENSDARG00000094602 ENSDARPO0000113129 si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262] sid:key-7n6.2
ENSDARG00000093579 ENSDARPO0000117997 si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72] sid:key-80c24.4
ENSDARG00000097406 ENSDARPO0000129440 si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24] sid:key-81e3.2
ENSDARG00000096188 ENSDARPO0000125510 si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228] sid:key-84h14.3
ENSDARG00000095047 ENSDARPO0000121197 si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242] sid:key-85k15.4
ENSDARG00000094385 ENSDARPO0000112862 si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216] sid:key-85k15.6
ENSDARG00000094759 ENSDARPO0000123537 si:dkey-85k15.7 [Source:ZFIN;Acc:ZDB-GENE-100921-85] sid:key-85k15.7
ENSDARG00000095796 ENSDARPO0000124470 si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217] sid:key-87o1.2
ENSDARG00000094850 ENSDARPO0000115581 si:dkey-88l16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332] sid:key-88l16.5
ENSDARG00000094594 ENSDARPO0000122530 si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112] sid:key-8k3.1
ENSDARG00000093612 ENSDARPO0000114776 si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759] sid:key-92i17.2
ENSDARG00000093173 ENSDARPO0000128220 si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133] sid:key-93m18.6
ENSDARG00000088513 ENSDARPO0000105040 si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300] sid:key-95o3.4
ENSDARG00000092452 ENSDARPO0000123154 si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443] sid:key-95p16.1
ENSDARG00000097725 ENSDARPO0000129411 si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563] sid:key-96g2.1
ENSDARG00000095649 ENSDARPO0000117720 si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614] sid:key-97a13.12
ENSDARG00000094005 ENSDARPO0000121263 si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358] sid:key-98j1.5
ENSDARG00000094133 ENSDARPO0000123613 si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489] sid:key-9i23.11
ENSDARG00000093954 ENSDARPO0000121370 si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362] sid:key-9i23.16
ENSDARG00000094678 ENSDARPO0000112567 si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365] sid:key-9i23.6
ENSDARG00000095978 ENSDARPO0000125207 si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61] sid:key-9i5.2
ENSDARG00000094615 ENSDARPO0000114404 si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515] sid:key-9p20.18
ENSDARG00000092141 ENSDARPO0000117956 si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448] sid:key-100a1.6
ENSDARG00000096109 ENSDARPO0000125442 si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172] sid:key-100h4.2
ENSDARG00000096715 ENSDARPO0000127317 si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41] sid:key-104f11.9
ENSDARG00000095549 ENSDARPO0000114208 si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527] sid:key-106c3.2
ENSDARG00000096443 ENSDARPO0000126532 si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34] sid:key-107f9.1
ENSDARG00000096444 ENSDARPO0000126453 si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39] sid:key-107f9.2
ENSDARG00000096442 ENSDARPO0000126454 si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91] sid:key-107f9.4
ENSDARG00000092482 ENSDARPO0000116353 si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452] sid:key-110g5.4
ENSDARG00000069401 ENSDARPO0000091739 si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466] sid:key-114g9.1
ENSDARG00000095437 ENSDARPO0000118987 si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455] sid:key-117b11.3
ENSDARG00000043004 ENSDARPO0000063136 si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4] sid:key-117h8.4
ENSDARG00000079036 ENSDARPO0000114874 si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2] sid:key-11g8.3
ENSDARG00000091954 ENSDARPO0000116515 si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651] sid:key-122a9.1
ENSDARG00000093116 ENSDARPO0000119741 si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745] sid:key-122a9.2
ENSDARG00000092383 ENSDARPO0000122918 si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635] sid:key-12a9.5
ENSDARG00000092225 ENSDARPO0000115916 si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636] sid:key-13a3.10
ENSDARG00000091144 ENSDARPO0000124067 si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377] sid:key-13d11.1
ENSDARG00000077519 ENSDARPO0000114312 si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21] sid:key-13d11.2
ENSDARG00000096290 ENSDARPO0000126070 si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208] sid:key-15g8.5
ENSDARG00000094163 ENSDARPO0000122999 si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63] sid:key-19e1.4
ENSDARG00000092702 ENSDARPO0000113451 si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356] sid:key-20e4.8
ENSDARG00000094279 ENSDARPO0000119581 si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537] sid:key-20g2.3
ENSDARG00000086650 ENSDARPO0000125379 si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190] sid:key-27e10.6
ENSDARG00000096998 ENSDARPO0000128927 si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193] sid:key-34b8.1
ENSDARG00000071083 ENSDARPO0000095650 si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347] sid:key-34c12.1
ENSDARG00000093430 ENSDARPO0000125789 si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539] sid:key-34f6.4
ENSDARG00000096043 ENSDARPO0000125196 si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63] sid:key-44b5.4

ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000041923	ENSDARP00000123921	si:dkeyp-59a8.1 [Source:ZFIN;Acc:ZDB-GENE-041014-165]	si:dkeyp-59a8.1
ENSDARG00000041835	ENSDARP00000061310	si:dkeyp-59a8.2 [Source:ZFIN;Acc:ZDB-GENE-041014-167]	si:dkeyp-59a8.2
ENSDARG00000041917	ENSDARP00000128783	si:dkeyp-59a8.3 [Source:ZFIN;Acc:ZDB-GENE-041014-163]	si:dkeyp-59a8.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000094442	ENSDARP00000117701	si:dkeyp-73g8.5 [Source:ZFIN;Acc:ZDB-GENE-091118-45]	si:dkeyp-73g8.5
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000092369	ENSDARP00000117706	si:dkeyp-77c8.3 [Source:ZFIN;Acc:ZDB-GENE-090313-399]	si:dkeyp-77c8.3
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4 [Source:ZFIN;Acc:ZDB-GENE-090313-400]	si:dkeyp-77c8.4
ENSDARG00000095514	ENSDARP00000117258	si:dkeyp-77c8.5 [Source:ZFIN;Acc:ZDB-GENE-090313-401]	si:dkeyp-77c8.5
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000094192	ENSDARP00000114927	si:dkeyp-82a1.2 [Source:ZFIN;Acc:ZDB-GENE-081104-475]	si:dkeyp-82a1.2
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000069103	ENSDARP00000091068	si:dkeyp-82a1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-477]	si:dkeyp-82a1.4
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000093164	ENSDARP00000114206	si:rp71-23d18.8 [Source:ZFIN;Acc:ZDB-GENE-050208-521]	si:rp71-23d18.8
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000017163	ENSDARP0000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMC04
ENSDARG00000093969	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000095171	ENSDARP00000076652	sperm-tail PG-rich repeat containing 1 [Source:ZFIN;Acc:ZDB-GENE-070705-373]	stpg1
ENSDARG00000061060	ENSDARP00000081101	sperm-tail PG-rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:28712]	STPG2
ENSDARG00000069917	ENSDARP00000092915	spindle and kinetochore associated complex subunit 3 [Source:ZFIN;Acc:ZDB-GENE-030131-2997]	ska3
ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snb
ENSDARG00000086641	ENSDARP00000112004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000079160	ENSDARP000000101629	sulfiredoxin 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-091230-2]	srxn1
ENSDARG00000089939	ENSDARP00000106885	SUMO-interacting motifs containing 1 [Source:HGNC Symbol;Acc:HGNC:24779]	SIMC1
ENSDARG00000035427	ENSDARP00000051343	surfeit 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1333]	surf6
ENSDARG00000088277	ENSDARP00000109477	sushi domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-120215-196]	susd5
ENSDARG00000094010	ENSDARP00000113234	SWT1 RNA endoribonuclease homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041015-373]	swt1
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngr2a
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000079190	ENSDARP00000099728	synaptonemal complex protein 2-like [Source:ZFIN;Acc:ZDB-GENE-130924-1]	sycp2l
ENSDARG00000090469	ENSDARP00000099011	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN

ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000024904	ENSDARP00000037419	TAL1 (SCL) interrupting locus [Source:ZFIN;Acc:ZDB-GENE-020419-39]	stil
ENSDARG00000068760	ENSDARP00000090344	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSDARG00000079880	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000098689	ENSDARP00000107795	testis expressed 26 [Source:ZFIN;Acc:ZDB-GENE-120410-5]	tex26
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA [Source:RefSeq mRNA;Acc:NM_001172308]	CAB201040055.1
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000067831	ENSDARP00000088485	thymus, brain and testes associated [Source:ZFIN;Acc:ZDB-GENE-121030-4]	tbat
ENSDARG00000032353	ENSDARP00000040239	TIP41, TOR signaling pathway regulator-like (<i>S. cerevisiae</i>) [Source:ZFIN;Acc:ZDB-GENE-040426-1611]	tipr1
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000091413	ENSDARP00000106052	translocase of inner mitochondrial membrane 22 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:17317]	TIMM22
ENSDARG00000044636	ENSDARP00000114754	translocase of outer mitochondrial membrane 20 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-451]	tom20b
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000090230	ENSDARP00000110325	transmembrane protein 108 [Source:ZFIN;Acc:ZDB-GENE-091204-397]	tmem108
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	tmpe
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC10000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CAB201058871.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CAB201056821.2
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CAB201085394.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000087204	ENSDARP00000111981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXQ1]	AL807829.1
ENSDARG00000090480	ENSDARP00000109633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CAB201049025.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089863	ENSDARP00000104714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY31]	CCDC57
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY70]	CAB201080492.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY76]	CAB201090750.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000089112	ENSDARP00000104670	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYG3]	CT027800.2
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY13]	BX897747.3
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CAB201048092.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYT3]	CAB201071224.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CAB201002533.1
ENSDARG00000086483	ENSDARP00000104566	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYZ0]	BX005069.2
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CAB201044775.1
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ43]	FP245472.1
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CAB201060296.1
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZC8]	CT027679.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZD7]	BX530062.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000091068	ENSDARP00000104444	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH9]	CAB201063789.1
ENSDARG00000089734	ENSDARP00000109290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CAB201065246.2
ENSDARG00000088777	ENSDARP00000111584	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZP1]	BX248508.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000073987	ENSDARP00000104376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZX8]	BX901889.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F010]	FP236789.2
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CAB201040054.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CAB201023601.1
ENSDARG00000091479	ENSDARP00000091762	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F105]	BX296538.3

ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDARG00000090889	ENSDARP00000109049	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1W2]	BX005069.4
ENSDARG00000089136	ENSDARP0000011338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1Y4]	CU984580.4
ENSDARG00000070767	ENSDARP0000003041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F252]	BX004840.1
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BR901974.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000090319	ENSDARP00000107528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2P1]	BX005356.3
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000075422	ENSDARP00000099561	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2U2]	BX248510.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089920	ENSDARP00000105776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F424]	CU571255.1
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000090899	ENSDARP00000107370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4D5]	CR450711.2
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Z9]	CR848833.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000089451	ENSDARP00000108957	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F692]	CABZ01084846.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6S6]	CU207343.2
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000091468	ENSDARP00000110790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7S5]	BX248120.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8V8]	CABZ01046425.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBN0]	BX936450.1
ENSDARG00000079242	ENSDARP00000101634	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBQ6]	BX901889.4
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC56]	CABZ01032352.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000090923	ENSDARP00000106342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCV7]	CR547131.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDF5]	CABZ01071911.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000088201	ENSDARP00000110014	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDK8]	CABZ01072699.2

ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000034063	ENSDARP0000020089	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED8]	CABZ01068208.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE55]	CABZ01083815.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01078520.1
ENSDARG00000087802	ENSDARP00000108867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGA9]	CABZ01080590.1
ENSDARG00000088059	ENSDARP00000112079	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGE4]	CR293520.1
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000093910	ENSDARP00000120136	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QH16]	FP015791.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q566]	sid:keyp-79f12.7
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q566]	sid:keyp-72g6.2
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q566]	sid:key-17e16.18
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000090640	ENSDARP00000103736	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6T2]	BX571813.4
ENSDARG00000093911	ENSDARP00000057430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000019318	ENSDARP00000054055	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QA12]	CR354540.2
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB17]	BX004824.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QBMB6]	BX465187.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QC73]	CABZ01031933.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QC13]	CR385050.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGPO]	CABZ01078481.1
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI54]	CR548627.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI92]	AL928887.2
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRS1]	CABZ01053196.1
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSS5]	CABZ01061508.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIT35]	CABZ01078262.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIT9]	CR450808.2
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1

ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVA5]	BX005484.1
ENSDARG00000088172	ENSDARP00000110603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVC1]	CABZ01056518.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ5]	CABZ01015787.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWM4]	CABZ01074659.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000088769	ENSDARP00000064012	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZX1]	BX649453.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0I5]	CABZ01056821.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R1S0]	AL845481.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3E7]	BX004857.1
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000089822	ENSDARP00000107748	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R481]	BX649341.2
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000075807	ENSDARP00000099340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBR2]	CT867973.1
ENSDARG00000058052	ENSDARP00000075301	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBV8]	CR388145.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXD1]	CABZ01078610.1
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXP1]	FP245465.2
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXQ4]	CABZ01075684.2
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXB1]	BX649556.8
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYI8]	CABZ01079804.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYS3]	BX088712.2
ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYX7]	CABZ01079804.2
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYV7]	CABZ01002339.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000091311	ENSDARP00000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZA6]	CABZ01064973.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cup4a
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000092872	ENSDARP00000113175	uroplakin 3b	[Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein	[Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VEGF nerve growth factor inducible	[Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSDARG00000060916	ENSDARP0000016383	vimentin-type intermediate filament associated coiled-coil protein	[Source:HGNC Symbol;Acc:HGNC:33803]	VMAC
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A	[Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000089187	ENSDARP00000105933	WAP four-disulfide core domain 2	[Source:ZFIN;Acc:ZDB-GENE-090313-47]	wfdc2
ENSDARG00000078396	ENSDARP00000099916	WD repeat domain 46	[Source:ZFIN;Acc:ZDB-GENE-040426-1264]	wdr46
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10	[Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000092352	ENSDARP00000115981	wu:fa92h10	[Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02	[Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06	[Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000086898	ENSDARP00000106784	wu:fc26g07	[Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06	[Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05	[Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05

ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000079755	ENSDARP00000099421	wu:fy63c09 [Source:ZFIN;Acc:ZDB-GENE-050302-146]	wu:fy63c09
ENSDARG00000055875	ENSDARP00000072730	ZDB-PUB-030905-1 [Source:ZFIN;Acc:ZDB-GENE-060503-586]	pag1
ENSDARG00000078034	ENSDARP00000123743	zgc:112001 [Source:ZFIN;Acc:ZDB-GENE-050417-178]	zgc:112001
ENSDARG00000070899	ENSDARP00000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000075258	ENSDARP00000098923	zgc:112970 [Source:ZFIN;Acc:ZDB-GENE-050327-83]	zgc:112970
ENSDARG00000037739	ENSDARP00000054980	zgc:112980 [Source:ZFIN;Acc:ZDB-GENE-050306-1]	zgc:112980
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000038271	ENSDARP00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000039099	ENSDARP00000057100	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG00000026616	ENSDARP00000033334	zgc:113425 [Source:ZFIN;Acc:ZDB-GENE-050320-128]	zgc:113425
ENSDARG00000038898	ENSDARP00000122029	zgc:113691 [Source:ZFIN;Acc:ZDB-GENE-050220-7]	zgc:113691
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000070423	ENSDARP00000117627	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSDARG00000061547	ENSDARP00000082327	zgc:153409 [Source:ZFIN;Acc:ZDB-GENE-060929-224]	zgc:153409
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000070604	ENSDARP00000094633	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000086076	ENSDARP00000105059	zgc:165555 [Source:ZFIN;Acc:ZDB-GENE-070620-17]	zgc:165555
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000076530	ENSDARP00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000039100	ENSDARP00000092867	zgc:172244 [Source:ZFIN;Acc:ZDB-GENE-080219-24]	zgc:172244
ENSDARG00000076958	ENSDARP00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260
ENSDARG00000074983	ENSDARP00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000087318	ENSDARP00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000079278	ENSDARP00000105315	zgc:174877 [Source:ZFIN;Acc:ZDB-GENE-041008-66]	zgc:174877
ENSDARG00000075314	ENSDARP00000097990	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20

ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zglp1
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1	CABZ01052573.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000077393	ENSDARP00000101746	CR352230.1	CR352230.1
ENSDARG00000074631	ENSDARP00000104379	novel gene	ENSDARG00000074631
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1	CABZ01044069.1
ENSDARG00000090521	ENSDARP00000105168	novel gene	ENSDARG00000090521
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000091446	ENSDARP00000106245	novel gene	ENSDARG00000091446
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000091011	ENSDARP00000107585	novel gene	ENSDARG00000091011
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000091750	ENSDARP00000108502	novel gene	ENSDARG00000091750
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000086555	ENSDARP00000109071	novel gene	ENSDARG00000086555
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000089684	ENSDARP00000111175	novel gene	ENSDARG00000089684
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1	CABZ01073405.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000097371	ENSDARP00000118124	mcf2b	mcf2b
ENSDARG00000094388	ENSDARP00000119071	celsr2	celsr2
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000096334	ENSDARP00000126042	novel gene	ENSDARG00000096334
ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897
ENSDARG00000097485	ENSDARP00000127983	rtkn2a	rtkn2a
ENSDARG00000097289	ENSDARP00000128419	rfn183	rfn183

Supplemental table 9. Zebrafish specific genes compared to sported gar

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDBG00000078929	ENSDBP00000104594	abhydrolase domain containing 16A [Source:ZFIN;Acc:ZDB-GENE-010601-2]	abhd16a
ENSDBG00000054290	ENSDBP00000121592	apoptotic chromatin condensation inducer 1a [Source:ZFIN;Acc:ZDB-GENE-030616-583]	acin1a
ENSDBG00000026842	ENSDBP00000029637	apoptotic chromatin condensation inducer 1b [Source:ZFIN;Acc:ZDB-GENE-030826-12]	acin1b
ENSDBG00000060126	ENSDBP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDBG00000058488	ENSDBP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDBG00000097014	ENSDBP00000129824	agtpbp1	agtpbp1
ENSDBG00000087033	ENSDBP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDBG00000086437	ENSDBP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDBG00000092426	ENSDBP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDBG00000035561	ENSDBP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDBG00000089595	ENSDBP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q192]	AL928887.2
ENSDBG00000091178	ENSDBP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDBG00000086472	ENSDBP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDBG00000089500	ENSDBP00000111945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QEH7]	AL935128.1
ENSDBG00000088951	ENSDBP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDBG00000087367	ENSDBP00000106264	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDP5]	AL953847.1
ENSDBG00000090124	ENSDBP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDBG00000090729	ENSDBP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDBG00000096249	ENSDBP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDBG00000090900	ENSDBP00000106897	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSDBG00000015866	ENSDBP00000058963	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSDBG00000092170	ENSDBP00000121190	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSDBG00000092155	ENSDBP00000112765	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSDBG00000090980	ENSDBP00000110505	apolipoprotein F [Source:ZFIN;Acc:ZDB-GENE-031204-36]	apof
ENSDBG00000076838	ENSDBP00000123136	apolipoprotein M [Source:ZFIN;Acc:ZDB-GENE-010605-5]	apom
ENSDBG00000078083	ENSDBP00000127109	armadillo repeat containing 5 [Source:ZFIN;Acc:ZDB-GENE-030131-7382]	armc5
ENSDBG00000093714	ENSDBP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDBG00000038297	ENSDBP00000055854	aspartate dehydrogenase domain containing [Source:ZFIN;Acc:ZDB-GENE-040912-102]	asphd
ENSDBG00000004472	ENSDBP00000049367	alpha tubulin acetyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2120]	atat1
ENSDBG00000014311	ENSDBP00000004006	ATH1, acid trehalase-like 1 (yeast) [Source:ZFIN;Acc:ZDB-GENE-061103-319]	ath1
ENSDBG00000087993	ENSDBP00000110213	BCL2-antagonist of cell death a [Source:ZFIN;Acc:ZDB-GENE-030131-2378]	bada
ENSDBG00000054937	ENSDBP00000071687	BCL2-antagonist of cell death b [Source:ZFIN;Acc:ZDB-GENE-000616-1]	badb
ENSDBG00000053358	ENSDBP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDBG00000069282	ENSDBP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDBG00000093569	ENSDBP00000114526	branched chain keto acid dehydrogenase E1, beta polypeptide, like [Source:ZFIN;Acc:ZDB-GENE-060830-1]	bckdhbl
ENSDBG00000094704	ENSDBP00000120749	bcl2	bcl2
ENSDBG00000079144	ENSDBP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDBG00000045549	ENSDBP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDBG00000038950	ENSDBP00000056857	bolA family member 3 [Source:HGNC Symbol;Acc:HGNC:24415]	BOLA3
ENSDBG00000086332	ENSDBP00000108026	brain protein I3 [Source:ZFIN;Acc:ZDB-GENE-030131-3038]	bri3
ENSDBG00000077954	ENSDBP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDBG00000077119	ENSDBP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDBG00000077423	ENSDBP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDBG00000086181	ENSDBP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDBG00000088089	ENSDBP00000105281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W8]	BX005073.1
ENSDBG00000086468	ENSDBP00000107283	chemokine CCL-CUe (LOC100000741), mRNA [Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDBG00000091651	ENSDBP00000112367	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD79]	BX005156.1
ENSDBG00000089080	ENSDBP00000108299	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE88]	BX005223.3
ENSDBG00000091129	ENSDBP00000111085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5C3]	BX005223.5
ENSDBG00000078398	ENSDBP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDBG00000091572	ENSDBP00000104946	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDBG00000090406	ENSDBP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOQ7]	BX005265.1
ENSDBG00000086433	ENSDBP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDBG00000089533	ENSDBP00000108313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QVA5]	BX005484.1
ENSDBG00000090208	ENSDBP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDBG00000091295	ENSDBP00000108689	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYS3]	BX088712.2
ENSDBG00000075631	ENSDBP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDBG00000088839	ENSDBP00000110703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F755]	BX248120.1
ENSDBG00000075422	ENSDBP00000099561	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2U2]	BX248510.1
ENSDBG00000079924	ENSDBP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDBG00000091744	ENSDBP00000107281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDBG00000087690	ENSDBP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDBG00000087019	ENSDBP00000104740	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDBG00000089148	ENSDBP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDBG00000089864	ENSDBP00000106907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8N7]	BX323573.1
ENSDBG00000091404	ENSDBP00000112324	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEM6]	BX323836.1
ENSDBG00000090688	ENSDBP00000105752	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZH4]	BX323994.1
ENSDBG00000089588	ENSDBP00000108275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDBG00000088665	ENSDBP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBM6]	BX465187.1
ENSDBG00000090265	ENSDBP00000104527	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ10]	BX465203.3
ENSDBG00000086072	ENSDBP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDBG00000067658	ENSDBP00000088200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDBG00000077266	ENSDBP00000100011	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDBG00000078340	ENSDBP00000070074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDBG00000071629	ENSDBP00000096840	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDBG00000055263	ENSDBP00000072062	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R883]	BX511172.1

ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000091334	ENSDARP00000107124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0J1]	BX511252.1
ENSDARG00000056677	ENSDARP00000109313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZA6]	BX530018.2
ENSDARG00000086015	ENSDARP00000104891	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBN3]	BX537109.1
ENSDARG00000094141	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000052294	ENSDARP00000068611	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1T5]	BX537277.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000115158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000086783	ENSDARP00000109419	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS7]	BX640547.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM7]	BX649431.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000088503	ENSDARP00000107454	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3L5]	BX682234.2
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1
ENSDARG00000073793	ENSDARP00000101624	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9I7]	BX927234.2
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000088863	ENSDARP00000068505	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLE7]	BX936412.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000057102	ENSDARP00000074158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDT2]	BX957274.1
ENSDARG00000088036	ENSDARP00000112119	chromosome 11 open reading frame 95 [Source:HGNC Symbol;Acc:HGNC:28449]	C11orf95
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000055613	ENSDARP00000072465	chromosome 1 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:29876]	C16H10orf43
ENSDARG00000056165	ENSDARP00000068194	chromosome 6 open reading frame 136 [Source:HGNC Symbol;Acc:HGNC:21301]	C19H6orf136
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000030038	ENSDARP00000044124	chromosome 12 open reading frame 57 [Source:HGNC Symbol;Acc:HGNC:29521]	C20H12orf57
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000097630	ENSDARP00000128389	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:32235]	C24H8orf59
ENSDARG00000045797	ENSDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSDARG00000054292	ENSDARP00000123563	chromosome 14 open reading frame 119 [Source:HGNC Symbol;Acc:HGNC:20270]	C2H14orf119
ENSDARG00000059919	ENSDARP00000104623	chromosome 16 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:25848]	C3H16orf58
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000073963	ENSDARP00000097696	chromosome 12 open reading frame 56 [Source:HGNC Symbol;Acc:HGNC:26967]	C4H12orf56
ENSDARG00000095459	ENSDARP00000077103	chromosome 2 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:34353]	C5H2orf68
ENSDARG00000076268	ENSDARP00000104025	chromosome 9 open reading frame 172 [Source:HGNC Symbol;Acc:HGNC:37284]	C5H9orf172
ENSDARG00000019406	ENSDARP00000126646	chromosome 11 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:28801]	C7H11orf68
ENSDARG00000046141	ENSDARP00000067842	chromosome 12 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:25719]	C8H12orf43
ENSDARG00000076873	ENSDARP00000101303	chromosome 9 open reading frame 172 [Source:HGNC Symbol;Acc:HGNC:37284]	C8H9orf172
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY77]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWG5]	CABZ01015787.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000086931	ENSDARP00000109062	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIC8]	CABZ01029822.1
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F715]	CABZ01030107.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCF7]	CABZ01031933.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC56]	CABZ01032352.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC10003647), mRNA [Source:RefSeq mRNA;Acc:NM_001172308]	CABZ01040055.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1	CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R900]	CABZ01046427.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000086420	ENSDARP00000107384	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4C8]	CABZ01046949.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1

ENSDARG00000087000	ENSDARP00000109135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F057]	CABZ01052486.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1		CABZ01052573.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRS1]	CABZ01053196.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000086974	ENSDARP00000112255	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZE2]	CABZ01055017.1
ENSDARG00000036304	ENSDARP00000073689	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:16L846]	CABZ01055343.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS55]	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE20]	CABZ01063173.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY6P]	CABZ01063534.1
ENSDARG00000089125	ENSDARP00000110886	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F768]	CABZ01064012.1
ENSDARG00000077346	ENSDARP00000099878	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4N5]	CABZ01064799.1
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000091311	ENSDARP00000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZA6]	CABZ01064973.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDF5]	CABZ01071911.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXIO]	CABZ01072487.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000088201	ENSDARP00000110014	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDK8]	CABZ01072699.2
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F7FAI0]	CABZ01077218.1
ENSDARG00000093611	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F044]	CABZ01077220.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLL4]	CABZ01079490.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000087850	ENSDARP00000105385	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYB1]	CABZ01080397.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FYG6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000087802	ENSDARP00000108867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGA9]	CABZ01080590.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS9Y]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1		CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01111604.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000079534	ENSDARP00000103731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F720]	CABZ01112215.1

ENSDARG00000092026	ENSDARP00000121632	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFA1]	CABZ01112215.2
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWV1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000045207	ENSDARP00000090032	calcium modulating ligand [Source:ZFIN;Acc:ZDB-GENE-040426-2407]	camlg
ENSDARG00000058693	ENSDARP00000114134	calpastatin [Source:ZFIN;Acc:ZDB-GENE-050810-2]	cast
ENSDARG00000077409	ENSDARP00000101098	chibby homolog 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-5074]	cby1
ENSDARG00000002339	ENSDARP00000002714	coiled-coil domain containing 101 [Source:ZFIN;Acc:ZDB-GENE-041010-62]	ccdc101
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000045580	ENSDARP00000006739	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGNC:21239]	CCDC167
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000044797	ENSDARP00000065841	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSDARG00000044437	ENSDARP00000065263	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000069700	ENSDARP00000092394	cyclin-dependent kinase 2 associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-040718-35]	cdk2ap2
ENSDARG00000091754	ENSDARP00000111012	coiled-coil-helix-coiled-coil-helix domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17840]	CHCHD5
ENSDARG00000057234	ENSDARP00000108834	chromatin target of PRMT1a [Source:ZFIN;Acc:ZDB-GENE-030131-210]	chtopa
ENSDARG00000070430	ENSDARP00000119098	chromatin target of PRMT1b [Source:ZFIN;Acc:ZDB-GENE-061013-712]	chtopb
ENSDARG00000037865	ENSDARP0000005169	ceroid-lipofuscinosis, neuronal 3 [Source:ZFIN;Acc:ZDB-GENE-041114-174]	chn3
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000055227	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG00000090155	ENSDARP00000109216	collagen, type XV, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-080918-1]	col15a1a
ENSDARG00000003373	ENSDARP0000015280	COMM domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040718-118]	commd2
ENSDARG00000035618	ENSDARP000000051643	coenzyme Q5 homolog, methyltransferase (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:28722]	COQ5
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000078583	ENSDARP00000104080	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6E1]	CR376825.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000022620	ENSDARP000000029205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBT3]	CR384075.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QC13]	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000054974	ENSDARP00000071724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXH1]	CR388087.1
ENSDARG00000058052	ENSDARP00000075301	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBV8]	CR388145.1
ENSDARG00000086989	ENSDARP00000108431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QT30]	CR388145.2
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000070274	ENSDARP00000126382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K7DY55]	CR407594.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000079337	ENSDARP00000100718	chemokine CCL-CUJ (LOC100216314), mRNA [Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG00000088585	ENSDARP00000106513	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QMA0]	CR536621.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI54]	CR548627.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000070997	ENSDARP00000095465	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6NN79]	CR749177.1
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9L9]	CR762483.1
ENSDARG00000074879	ENSDARP00000088550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EX23]	CR774186.2
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000090975	ENSDARP00000104987	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD90]	CR848032.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000041992	ENSDARP00000073656	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUA4]	CR855257.1
ENSDARG00000087589	ENSDARP00000105931	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3G4]	CR855327.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000076494	ENSDARP00000094400	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFR6]	CR931813.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000086873	ENSDARP00000093432	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1C6]	CR936977.1
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b

ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000068569	ENSDARP00000089983	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9E7]	CT027576.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000071733	ENSDARP00000097063	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8Q9]	CT030204.3
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000078927	ENSDARP00000103412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q741]	CT573252.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1ROC8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9P5]	CT827808.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000090991	ENSDARP00000106210	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR7]	CU151895.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000088141	ENSDARP00000106862	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD11]	CU570684.4
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570882.2
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC10000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000089383	ENSDARP00000105999	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E6]	CU652893.1
ENSDARG00000086452	ENSDARP00000111660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ74]	CU672227.1
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000086809	ENSDARP00000106413	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYG1]	CU693480.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000087038	ENSDARP00000111796	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM1]	CU694254.1
ENSDARG00000088365	ENSDARP00000105615	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU695117.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000089324	ENSDARP00000109275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU929506.1
ENSDARG00000089543	ENSDARP00000106958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8K6]	CU984579.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl4
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDARG00000086115	ENSDARP00000109642	chromosome 1 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:29876]	Cz9v_NA879H1orf43
ENSDARG00000036895	ENSDARP00000053567	death associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-000511-4]	dap1b
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSDARG00000097181	ENSDARP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]	defb3
ENSDARG00000092662	ENSDARP00000118558	dynein, axonemal, assembly factor 3 [Source:ZFIN;Acc:ZDB-GENE-091204-296]	dnaaf3
ENSDARG00000089922	ENSDARP00000104986	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENSDARG00000096953	ENSDARP00000129285	enoyl CoA hydratase 1, peroxisomal [Source:HGNC Symbol;Acc:HGNC:3149]	ECH1
ENSDARG00000063692	ENSDARP00000087743	enoyl CoA hydratase domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-061201-12]	echd3
ENSDARG00000016443	ENSDARP00000111179	eukaryotic translation initiation factor 3, subunit C [Source:ZFIN;Acc:ZDB-GENE-030131-6166]	elf3c
ENSDARG00000095994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000054793	ENSDARP00000071497	ER membrane protein complex subunit 10 [Source:ZFIN;Acc:ZDB-GENE-030131-9045]	emc10
ENSDARG00000039268	ENSDARP00000057377	ER membrane protein complex subunit 4 [Source:ZFIN;Acc:ZDB-GENE-040426-1891]	emc4
ENSDARG00000090936	ENSDARP00000106252	glutamate-rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]	ERICH2
ENSDARG00000025518	ENSDARP00000102707	coagulation factor VIII-associated 2 [Source:HGNC Symbol;Acc:HGNC:31849]	F8A2
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000019250	ENSDARP00000003084	Fanconi anemia, complementation group F [Source:ZFIN;Acc:ZDB-GENE-060306-3]	fancc

ENSDARG00000056464	ENSDARP00000073429	fat storage-inducing transmembrane protein 1 [Source:ZFIN;Acc:ZDB-GENE-050306-28]	fitm1
ENSDARG00000087089	ENSDARP00000125371	FK506 binding protein 15, 133kDa [Source:HGNC Symbol;Acc:HGNC:23397]	FKBP15
ENSDARG00000062385	ENSDARP00000084624	folliculin [Source:ZFIN;Acc:ZDB-GENE-060421-3470]	flcn
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000090001	ENSDARP00000105674	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE83]	FP015790.3
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000086113	ENSDARP00000106682	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA29]	FP236789.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXP4]	FP245465.2
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000088247	ENSDARP00000106989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC28]	FP245511.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsp1
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000060120	ENSDARP00000124654	glycerate kinase [Source:ZFIN;Acc:ZDB-GENE-061013-308]	glyctk
ENSDARG00000037921	ENSDARP00000055268	guanine nucleotide binding protein (G protein), gamma 13b [Source:ZFIN;Acc:ZDB-GENE-040718-97]	gng13b
ENSDARG00000044754	ENSDARP00000065778	gonadotropin-releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-030516-1]	gnrh2
ENSDARG00000056214	ENSDARP00000073133	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSDARG00000090051	ENSDARP00000110502	G protein-coupled receptor, class C, group 5, member A [Source:HGNC Symbol;Acc:HGNC:9836]	GPCR5A
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000056510	ENSDARP00000035103	glutathione S-transferase kappa 1 [Source:ZFIN;Acc:ZDB-GENE-040718-298]	gstk1
ENSDARG00000019585	ENSDARP00000114317	glutathione S-transferase kappa 1 [Source:HGNC Symbol;Acc:HGNC:16906]	GSTK1
ENSDARG00000036071	ENSDARP00000052358	general transcription factor IIH, polypeptide 4 [Source:ZFIN;Acc:ZDB-GENE-030131-6779]	gtf2h4
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000040344	ENSDARP00000059040	linker histone H1M [Source:ZFIN;Acc:ZDB-GENE-030131-5614]	h1m
ENSDARG00000053227	ENSDARP00000069720	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSDARG00000070932	ENSDARP00000095322	hypocretin (orexin) neuropeptide precursor [Source:ZFIN;Acc:ZDB-GENE-040324-1]	hcr
ENSDARG00000053934	ENSDARP00000094552	haloacid dehalogenase-like hydrolase domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-040724-118]	hdhd3
ENSDARG00000027749	ENSDARP00000029816	HIRA interacting protein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-5753]	hirip3
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSDARG00000070951	ENSDARP00000090534	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmg1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2n
ENSDARG00000091401	ENSDARP00000111876	HMG box domain containing 4b [Source:ZFIN;Acc:ZDB-GENE-030131-450]	hmgxb4b
ENSDARG00000096510	ENSDARP00000126834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GEC1]	hoxa9a
ENSDARG00000095807	ENSDARP00000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000013795	ENSDARP00000012323	Hermansky-Pudlak syndrome 4 [Source:ZFIN;Acc:ZDB-GENE-040426-1068]	hps4
ENSDARG00000045947	ENSDARP00000126909	histidine rich calcium binding protein [Source:HGNC Symbol;Acc:HGNC:5178]	HRC
ENSDARG00000007665	ENSDARP00000025210	HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1 [Source:ZFIN;Acc:ZDB-GENE-030219-55]	hsbp1
ENSDARG00000086881	ENSDARP00000108516	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifn1-1
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000037859	ENSDARP00000055159	interleukin 11a [Source:ZFIN;Acc:ZDB-GENE-051019-1]	il11a
ENSDARG00000058557	ENSDARP00000075881	interleukin 11b [Source:ZFIN;Acc:ZDB-GENE-051019-2]	il11b
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG0000005419	ENSDARP00000002293	interleukin 1, beta [Source:ZFIN;Acc:ZDB-GENE-040702-2]	il1b
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000077189	ENSDARP00000100119	integrator complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:29352]	INTS5
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCI
ENSDARG00000096587	ENSDARP00000126850	integrin, alpha M (complement component 3 receptor 3 subunit) [Source:ZFIN;Acc:ZDB-GENE-110510-4]	itgam

ENSDARG00000068257	ENSDARP00000089392	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077985	ENSDARP00000098871	kisspeptin 2 [Source:ZFIN;Acc:ZDB-GENE-090526-1]	kiss2
ENSDARG00000051934	ENSDARP00000068138	KxDL motif containing 1 [Source:ZFIN;Acc:ZDB-GENE-040801-207]	kxd1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000037633	ENSDARP00000029247	leukocyte receptor cluster (LRC) member 1 [Source:ZFIN;Acc:ZDB-GENE-040912-159]	leng1
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000056874	ENSDARP00000073908	lysozyme g-like 1 [Source:ZFIN;Acc:ZDB-GENE-040718-461]	lygl1
ENSDARG00000057789	ENSDARP00000074998	lysozyme [Source:ZFIN;Acc:ZDB-GENE-020515-2]	lyz
ENSDARG00000038005	ENSDARP00000055392	mediator of RNA polymerase II transcription, subunit 25 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-2850]	med25
ENSDARG00000008020	ENSDARP00000104686	mediator of RNA polymerase II transcription, subunit 31 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-114]	med31
ENSDARG00000090972	ENSDARP00000106498	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSDARG00000079134	ENSDARP00000100821	methyltransferase like 17 [Source:ZFIN;Acc:ZDB-GENE-031118-203]	mett117
ENSDARG00000056726	ENSDARP00000080698	methyltransferase like 7A [Source:ZFIN;Acc:ZDB-GENE-061027-239]	mett17a
ENSDARG00000086189	ENSDARP00000124104	matrix Gla protein [Source:ZFIN;Acc:ZDB-GENE-060928-1]	mgp
ENSDARG00000035333	ENSDARP00000051197	MIS18 kinetochore protein homolog A (S. pombe) [Source:ZFIN;Acc:ZDB-GENE-091204-314]	mis18a
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000090462	ENSDARP00000111625	mitochondrial ribosomal protein L20 [Source:ZFIN;Acc:ZDB-GENE-030131-5299]	mrpl20
ENSDARG00000090568	ENSDARP00000105015	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:HGNC:16655]	MRPL52
ENSDARG00000043402	ENSDARP00000063716	mitochondrial ribosomal protein L55 [Source:HGNC Symbol;Acc:HGNC:16686]	MRPL55
ENSDARG00000063249	ENSDARP00000086688	mitochondrial ribosomal protein L9 [Source:ZFIN;Acc:ZDB-GENE-070717-4]	mrpl9
ENSDARG00000070985	ENSDARP00000095428	mitochondrial ribosomal protein S21 [Source:ZFIN;Acc:ZDB-GENE-070615-13]	mrps21
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000021242	ENSDARP00000112736	major vault protein [Source:ZFIN;Acc:ZDB-GENE-030826-33]	mvp
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000045213	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000027930	ENSDARP00000035128	nicotinate phosphoribosyltransferase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1897]	naprt1
ENSDARG00000090962	ENSDARP00000111670	N-acetyltransferase 14 (GCN5-related, putative) [Source:HGNC Symbol;Acc:HGNC:28918]	NAT14
ENSDARG00000042469	ENSDARP00000121890	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Source:ZFIN;Acc:ZDB-GENE-050828-1]	ndufa12
ENSDARG00000041400	ENSDARP00000119521	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa [Source:HGNC Symbol;Acc:HGNC:7686]	NDUFA3
ENSDARG00000087803	ENSDARP00000110392	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa [Source:HGNC Symbol;Acc:HGNC:7706]	NDUFC2
ENSDARG00000051986	ENSDARP00000059226	NADH dehydrogenase (ubiquinone) Fe-S protein 8a [Source:ZFIN;Acc:ZDB-GENE-040426-2153]	ndufs8a
ENSDARG00000057055	ENSDARP00000126495	NADH dehydrogenase (ubiquinone) Fe-S protein 8b [Source:ZFIN;Acc:ZDB-GENE-050522-131]	ndufs8b
ENSDARG00000045249	ENSDARP00000066545	NIF3 NGG1 interacting factor 3-like 1 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050706-80]	nif3l1
ENSDARG00000036743	ENSDARP00000067958	Novel immune-type receptor 7b; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q5YB50]	NITR7B
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkd3l
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000075944	ENSDARP00000097529	neuromedin 5 [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000038027	ENSDARP00000055428	nucleolar protein 12 [Source:ZFIN;Acc:ZDB-GENE-040426-1035]	no12
ENSDARG00000089426	ENSDARP00000107682	NOP10 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-041007-4]	nop10
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000027538	ENSDARP00000062108	NADP-dependent oxidoreductase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20487]	NOXRED1
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000063690	ENSDARP00000087736	nurim (nuclear envelope membrane protein [Source:ZFIN;Acc:ZDB-GENE-060503-445]	nrm
ENSDARG00000024471	ENSDARP00000030404	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041014-362]	ns1
ENSDARG00000029043	ENSDARP00000050124	nucleoporin like 2 [Source:ZFIN;Acc:ZDB-GENE-040426-2292]	nup12
ENSDARG00000052334	ENSDARP00000094142	OCIA domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1100]	ociad1
ENSDARG00000052336	ENSDARP00000068656	OCIA domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-041014-253]	ociad2
ENSDARG00000093597	ENSDARP00000122996	opa interacting protein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-328]	oip5
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000076077	ENSDARP00000051111	ovarian tumor suppressor candidate 2 [Source:ZFIN;Acc:ZDB-GENE-050522-115]	ovca2
ENSDARG00000076966	ENSDARP00000104234	PAXIP1 associated glutamate-rich protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4801]	pagr1
ENSDARG00000037356	ENSDARP00000054355	presequence translocase-associated motor 16 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-1776]	pam16
ENSDARG00000024681	ENSDARP00000038262	proliferation associated nuclear element [Source:ZFIN;Acc:ZDB-GENE-040611-4]	pane1
ENSDARG00000023181	ENSDARP000000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSDARG00000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000055477	ENSDARP00000072295	pelota homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-040426-1074]	pelo
ENSDARG00000025391	ENSDARP00000035261	prefoldin subunit 2 [Source:ZFIN;Acc:ZDB-GENE-060519-27]	pfnd2
ENSDARG00000045155	ENSDARP00000066396	PHD finger protein 5A [Source:ZFIN;Acc:ZDB-GENE-021219-3]	phf5a
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000037955	ENSDARP00000055307	PIH1 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050309-147]	pih1d1
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000070798	ENSDARP00000124168	phosphomevalonate kinase [Source:ZFIN;Acc:ZDB-GENE-070410-91]	pmvk
ENSDARG00000079632	ENSDARP00000119350	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG00000056127	ENSDARP00000073018	polymerase (RNA) II (DNA directed) polypeptide G-like [Source:ZFIN;Acc:ZDB-GENE-030131-2808]	polr2gl
ENSDARG00000058349	ENSDARP00000075655	polymerase (RNA) II (DNA directed) polypeptide L [Source:ZFIN;Acc:ZDB-GENE-050522-181]	polr2l
ENSDARG00000032651	ENSDARP00000043553	protein phosphatase 1, regulatory subunit 10 [Source:ZFIN;Acc:ZDB-GENE-020419-15]	ppp1r10

ENSDARG00000036063	ENSDARP00000052351	protein phosphatase 1, regulatory (inhibitor) subunit 11 [Source:ZFIN;Acc:ZDB-GENE-050417-99]	ppp1r11
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000055064	ENSDARP00000109990	peroxiredoxin 5 [Source:ZFIN;Acc:ZDB-GENE-050522-159]	prdx5
ENSDARG00000077377	ENSDARP00000108941	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000058430	ENSDARP00000075726	PRP3 pre-mRNA processing factor 3 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040823-3]	prpf3
ENSDARG00000089232	ENSDARP00000109509	proline rich 14 [Source:ZFIN;Acc:ZDB-GENE-030131-3785]	prr14
ENSDARG00000025615	ENSDARP00000033094	proline rich 15-like a [Source:ZFIN;Acc:ZDB-GENE-040801-218]	prr15la
ENSDARG00000077087	ENSDARP00000102237	proline-rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]	PRRT3
ENSDARG00000068698	ENSDARP00000090230	presenilin enhancer 2 homolog [Source:ZFIN;Acc:ZDB-GENE-040218-1]	psenen
ENSDARG00000093738	ENSDARP00000118323	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSDARG00000091961	ENSDARP00000118249	parathyroid hormone 1b [Source:ZFIN;Acc:ZDB-GENE-040623-2]	pth1b
ENSDARG00000021113	ENSDARP00000090993	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000031047	ENSDARP00000113320	peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050306-33]	ptrh1
ENSDARG00000075421	ENSDARP00000069655	pituitary tumor-transforming 1 [Source:ZFIN;Acc:ZDB-GENE-081104-345]	pttg1
ENSDARG00000094896	ENSDARP00000113002	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:27223]	RBM33
ENSDARG00000069260	ENSDARP00000091417	REC3 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-060421-4898]	rec8b
ENSDARG00000077459	ENSDARP00000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rltgr
ENSDARG00000089637	ENSDARP00000123155	ribonuclease H2, subunit C [Source:HGNC Symbol;Acc:HGNC:24116]	RNASEH2C
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000076008	ENSDARP00000100784	RPA3 opposite strand [Source:HGNC Symbol;Acc:HGNC:48955]	RPA3OS
ENSDARG00000066691	ENSDARP00000090996	ribosomal protein L12 [Source:ZFIN;Acc:ZDB-GENE-030131-5297]	rp112
ENSDARG00000053365	ENSDARP00000069885	ribosomal protein L31 [Source:ZFIN;Acc:ZDB-GENE-060331-121]	rp131
ENSDARG00000020153	ENSDARP00000005719	ribosomal protein S18 [Source:ZFIN;Acc:ZDB-GENE-020419-20]	rps18
ENSDARG00000059238	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000043687	ENSDARP00000064149	SAYSVFN motif domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21025]	SAYSD1
ENSDARG00000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000062971	ENSDARP00000086049	succinate dehydrogenase complex assembly factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-7564]	sdhaf2
ENSDARG00000068215	ENSDARP00000036413	short chain dehydrogenase/reductase family 39U, member 1 [Source:ZFIN;Acc:ZDB-GENE-060929-104]	sdr39u1
ENSDARG00000096801	ENSDARP00000127421	(sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, semaphorin) 4Gb [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000033861	ENSDARP00000042491	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase [Source:ZFIN;Acc:ZDB-GENE-040426-859]	sepsecs
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000038228	ENSDARP00000055744	selenoprotein W, 2a [Source:ZFIN;Acc:ZDB-GENE-030428-1]	sepw2a
ENSDARG00000089936	ENSDARP00000107655	selenoprotein W, 2b [Source:ZFIN;Acc:ZDB-GENE-030428-2]	sepw2b
ENSDARG00000070858	ENSDARP00000095157	si:busm1-105116.2 [Source:ZFIN;Acc:ZDB-GENE-030616-108]	si:busm1-105116.2
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000096854	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143j10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143j10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000087102	ENSDARP00000127912	si:ch1073-164k15.3 [Source:ZFIN;Acc:ZDB-GENE-131119-59]	si:ch1073-164k15.3
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270l17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270l17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000079387	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000076585	ENSDARP00000098389	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSDARG00000087835	ENSDARP00000116673	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000028542	ENSDARP00000032320	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2

ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i7.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i7.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000075332	ENSDARP00000097910	si:ch211-119d14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-100]	si:ch211-119d14.3
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000040250	ENSDARP00000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000089477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139j2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139j2.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000094469	ENSDARP00000112582	si:ch211-148i7.4 [Source:ZFIN;Acc:ZDB-GENE-090313-38]	si:ch211-148i7.4
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000088493	ENSDARP00000112081	si:ch211-149k12.3 [Source:ZFIN;Acc:ZDB-GENE-131127-504]	si:ch211-149k12.3
ENSDARG00000097936	ENSDARP00000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-583]	si:ch211-14a17.10
ENSDARG00000094522	ENSDARP00000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000097187	ENSDARP00000128396	si:ch211-153i6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153i6.6
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000086518	ENSDARP00000107859	si:ch211-155o21.3 [Source:ZFIN;Acc:ZDB-GENE-121214-24]	si:ch211-155o21.3
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000094977	ENSDARP00000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSDARG00000076850	ENSDARP00000099984	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-161c3.6
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000028478	ENSDARP00000034918	si:ch211-173n18.3 [Source:ZFIN;Acc:ZDB-GENE-120215-62]	si:ch211-173n18.3
ENSDARG00000060889	ENSDARP00000080695	si:ch211-173n18.4 [Source:ZFIN;Acc:ZDB-GENE-120215-64]	si:ch211-173n18.4
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4

ENSDARG00000096024	ENSDARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000097617	ENSDARP00000129813	si:ch211-178n15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-24]	si:ch211-178n15.1
ENSDARG00000087857	ENSDARP00000108304	si:ch211-180a12.2 [Source:ZFIN;Acc:ZDB-GENE-121214-236]	si:ch211-180a12.2
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000096963	ENSDARP00000129437	si:ch211-185a18.2	si:ch211-185a18.2
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000094059	ENSDARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000041492	ENSDARP00000060824	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000045847	ENSDARP00000067377	si:ch211-214j24.10 [Source:ZFIN;Acc:ZDB-GENE-030131-6301]	si:ch211-214j24.10
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000079345	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-193]	si:ch211-218c6.8
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-108]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000094038	ENSDARP00000118164	si:ch211-226f6.1 [Source:ZFIN;Acc:ZDB-GENE-070912-217]	si:ch211-226f6.1
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-415]	si:ch211-227m13.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG00000079485	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000095051	ENSDARP00000119801	si:ch211-236i14.1 [Source:ZFIN;Acc:ZDB-GENE-081104-492]	si:ch211-236i14.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000045002	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-403]	si:ch211-244k5.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000075065	ENSDARP00000128027	si:ch211-249o11.5 [Source:ZFIN;Acc:ZDB-GENE-131127-165]	si:ch211-249o11.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8

ENSDARG00000094319	ENSDARPO0000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARPO0000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARPO0000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000097032	ENSDARPO0000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG00000096958	ENSDARPO0000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000070898	ENSDARPO0000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENSDARG00000093353	ENSDARPO0000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARPO0000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000057903	ENSDARPO0000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDARG00000097267	ENSDARPO0000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARPO0000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000097256	ENSDARPO0000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARPO0000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARPO0000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARPO0000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARPO0000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARPO0000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARPO0000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000095185	ENSDARPO0000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000093992	ENSDARPO0000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARPO0000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARPO0000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000096514	ENSDARPO0000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARPO0000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARPO0000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARPO0000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARPO0000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARPO0000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-030131-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARPO0000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARPO0000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000055506	ENSDARPO0000128361	si:ch211-37e10.1 [Source:ZFIN;Acc:ZDB-GENE-131127-547]	si:ch211-37e10.1
ENSDARG00000097264	ENSDARPO0000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000094668	ENSDARPO0000114748	si:ch211-51a19.5 [Source:ZFIN;Acc:ZDB-GENE-041014-366]	si:ch211-51a19.5
ENSDARG00000045914	ENSDARPO0000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000095990	ENSDARPO0000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000069978	ENSDARPO0000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARPO0000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000092896	ENSDARPO0000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARPO0000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000098036	ENSDARPO0000129469	si:ch211-69l10.4 [Source:ZFIN;Acc:ZDB-GENE-131127-259]	si:ch211-69l10.4
ENSDARG00000087061	ENSDARPO0000111332	si:ch211-71k14.1 [Source:ZFIN;Acc:ZDB-GENE-110411-283]	si:ch211-71k14.1
ENSDARG00000096491	ENSDARPO0000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000095827	ENSDARPO0000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARPO0000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000070972	ENSDARPO0000095408	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSDARG00000096346	ENSDARPO0000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000074098	ENSDARPO0000100670	si:ch211-86h15.1 [Source:ZFIN;Acc:ZDB-GENE-081107-38]	si:ch211-86h15.1
ENSDARG00000092997	ENSDARPO0000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000054528	ENSDARPO0000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARPO0000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARPO0000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARPO0000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000095944	ENSDARPO0000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARPO0000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARPO0000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000095171	ENSDARPO0000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARPO0000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000093126	ENSDARPO0000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000096628	ENSDARPO0000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000097804	ENSDARPO0000129351	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSDARG00000079901	ENSDARPO0000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARPO0000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARPO0000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARPO0000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARPO0000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000076865	ENSDARPO0000110233	si:ch73-193c12.2 [Source:ZFIN;Acc:ZDB-GENE-131127-646]	si:ch73-193c12.2
ENSDARG00000096524	ENSDARPO0000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARPO0000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000097902	ENSDARPO0000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARPO0000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARPO0000124871	si:ch73-211l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211l13.2
ENSDARG00000097148	ENSDARPO0000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARPO0000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARPO0000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000097065	ENSDARPO0000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000095939	ENSDARPO0000124684	si:ch73-226l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-18]	si:ch73-226l13.2
ENSDARG00000096905	ENSDARPO0000129587	si:ch73-23l24.1 [Source:ZFIN;Acc:ZDB-GENE-131127-400]	si:ch73-23l24.1
ENSDARG00000088283	ENSDARPO0000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000096305	ENSDARPO0000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3

ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-30l9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-30l9.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000093368	ENSDARP00000116528	si:ch73-348k23.1 [Source:ZFIN;Acc:ZDB-GENE-060601-1]	si:ch73-348k23.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000043812	ENSDARP00000115043	si:ch73-389k6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-408]	si:ch73-389k6.1
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000097696	ENSDARP00000128197	si:ch73-71c20.5 [Source:ZFIN;Acc:ZDB-GENE-060810-58]	si:ch73-71c20.5
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7l4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7l4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7l4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7l4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7l4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7l4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000087596	ENSDARP00000108771	si:ch73-95l15.5 [Source:ZFIN;Acc:ZDB-GENE-030131-3481]	si:ch73-95l15.5
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106l3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106l3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000074628	ENSDARP00000115004	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000093120	ENSDARP00000115667	si:dkey-117m1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-177]	si:dkey-117m1.4
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13li9.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13li9.10
ENSDARG00000090700	ENSDARP00000126601	si:dkey-13m3.2 [Source:ZFIN;Acc:ZDB-GENE-121214-42]	si:dkey-13m3.2
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TRiEMBL;Acc:F1Q566]	si:dkey-179k24.1
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4

ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7 [Source:ZFIN;Acc:ZDB-GENE-090313-232]	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093967	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000075428	ENSDARP00000099974	si:dkey-225i9.4 [Source:ZFIN;Acc:ZDB-GENE-131125-28]	si:dkey-225i9.4
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092044	ENSDARP00000115590	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000070126	ENSDARP00000093431	si:dkey-22i11.6 [Source:ZFIN;Acc:ZDB-GENE-041210-251]	si:dkey-22i11.6
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000094824	ENSDARP00000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000096189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000090120	ENSDARP00000109766	si:dkey-248g21.1 [Source:ZFIN;Acc:ZDB-GENE-131119-67]	si:dkey-248g21.1
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5

ENSDARG00000088452	ENSDARP00000124204	si:dkey-24i24.3 [Source:ZFIN;Acc:ZDB-GENE-110411-103]	si:dkey-24i24.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000097962	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000078844	ENSDARP00000119456	si:dkey-259p7.1 [Source:ZFIN;Acc:ZDB-GENE-100921-42]	si:dkey-259p7.1
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000096437	ENSDARP00000126340	si:dkey-26h11.1 [Source:ZFIN;Acc:ZDB-GENE-120709-74]	si:dkey-26h11.1
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000091627	ENSDARP00000107508	si:dkey-271j15.3 [Source:ZFIN;Acc:ZDB-GENE-100921-27]	si:dkey-271j15.3
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000090708	ENSDARP00000107235	si:dkey-28g23.6 [Source:ZFIN;Acc:ZDB-GENE-131119-80]	si:dkey-28g23.6
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000095252	ENSDARP00000117573	si:dkey-40h20.1 [Source:ZFIN;Acc:ZDB-GENE-091113-44]	si:dkey-40h20.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000093414	ENSDARP00000120556	si:dkey-50i6.5 [Source:ZFIN;Acc:ZDB-GENE-081031-53]	si:dkey-50i6.5
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52i18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52i18.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000087793	ENSDARP00000111133	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSDARG00000070845	ENSDARP00000095136	si:dkey-56d12.4 [Source:ZFIN;Acc:ZDB-GENE-060531-147]	si:dkey-56d12.4
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000075537	ENSDARP00000125311	si:dkey-57i19.1 [Source:ZFIN;Acc:ZDB-GENE-060503-171]	si:dkey-57i19.1
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4

ENSDARG00000096515 ENSDARPO0000126836 si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196] si:dkey-58j15.10

ENSDARG00000096506 ENSDARPO0000126691 si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27] si:dkey-58j15.11

ENSDARG00000092304 ENSDARPO0000118255 si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643] si:dkey-59i11.7

ENSDARG00000094869 ENSDARPO0000117002 si:dkey-5n7.2 [Source:ZFIN;Acc:ZDB-GENE-050420-254] si:dkey-5n7.2

ENSDARG00000094528 ENSDARPO0000117624 si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47] si:dkey-61m24.1

ENSDARG00000068865 ENSDARPO0000090517 si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241] si:dkey-61p9.7

ENSDARG00000075480 ENSDARPO0000123308 si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18] si:dkey-63d15.12

ENSDARG00000092311 ENSDARPO0000116414 si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324] si:dkey-65b12.10

ENSDARG00000094458 ENSDARPO0000119745 si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325] si:dkey-65b12.12

ENSDARG00000095565 ENSDARPO0000117103 si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216] si:dkey-65b13.1

ENSDARG00000093234 ENSDARPO0000116561 si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12] si:dkey-65i23.2

ENSDARG00000092845 ENSDARPO0000117574 si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321] si:dkey-66g10.2

ENSDARG00000096714 ENSDARPO0000127368 si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106] si:dkey-66i24.7

ENSDARG00000092926 ENSDARPO0000120062 si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927] si:dkey-66k12.3

ENSDARG00000097360 ENSDARPO0000128714 si:dkey-66i17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65] si:dkey-66i17.4

ENSDARG00000093426 ENSDARPO0000121229 si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48] si:dkey-69c1.1

ENSDARG00000094001 ENSDARPO0000115231 si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128] si:dkey-6a5.3

ENSDARG00000093660 ENSDARPO0000117679 si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339] si:dkey-6f10.3

ENSDARG00000092390 ENSDARPO0000120910 si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340] si:dkey-6f10.4

ENSDARG00000097846 ENSDARPO0000129144 si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415] si:dkey-74h17.3

ENSDARG00000093188 ENSDARPO0000117321 si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823] si:dkey-75a21.2

ENSDARG00000094399 ENSDARPO0000117342 si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740] si:dkey-78k11.4

ENSDARG00000096096 ENSDARPO0000125396 si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149] si:dkey-78k22.2

ENSDARG00000096482 ENSDARPO0000126413 si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79] si:dkey-78o7.3

ENSDARG00000093179 ENSDARPO0000112518 si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153] si:dkey-79c1.1

ENSDARG00000097225 ENSDARPO0000128668 si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253] si:dkey-79d12.6

ENSDARG00000041433 ENSDARPO0000060743 si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-300] si:dkey-7c18.24

ENSDARG00000089021 ENSDARPO0000108888 si:dkey-7f16.3 [Source:ZFIN;Acc:ZDB-GENE-131120-59] si:dkey-7f16.3

ENSDARG00000097172 ENSDARPO0000128156 si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39] si:dkey-7i4.12

ENSDARG00000097551 ENSDARPO0000128206 si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129] si:dkey-7i4.15

ENSDARG00000097125 ENSDARPO0000128922 si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434] si:dkey-7i4.23

ENSDARG00000096906 ENSDARPO0000127909 si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157] si:dkey-7i4.24

ENSDARG00000097528 ENSDARPO0000128310 si:dkey-7j14.5 [Source:ZFIN;Acc:ZDB-GENE-030131-8110] si:dkey-7j14.5

ENSDARG00000094602 ENSDARPO0000113129 si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262] si:dkey-7n6.2

ENSDARG00000093579 ENSDARPO0000117997 si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72] si:dkey-80c24.4

ENSDARG00000097406 ENSDARPO0000129440 si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24] si:dkey-81e3.2

ENSDARG00000094705 ENSDARPO0000118587 si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931] si:dkey-81h8.1

ENSDARG00000096188 ENSDARPO0000125510 si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228] si:dkey-84h14.3

ENSDARG00000095047 ENSDARPO0000121197 si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242] si:dkey-85k15.4

ENSDARG00000094385 ENSDARPO0000112862 si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216] si:dkey-85k15.6

ENSDARG00000095893 ENSDARPO0000124597 si:dkey-85n7.7 [Source:ZFIN;Acc:ZDB-GENE-110408-52] si:dkey-85n7.7

ENSDARG00000095796 ENSDARPO0000124470 si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217] si:dkey-87o1.2

ENSDARG00000095137 ENSDARPO0000116841 si:dkey-88i16.2 [Source:ZFIN;Acc:ZDB-GENE-091113-59] si:dkey-88i16.2

ENSDARG00000094850 ENSDARPO0000115581 si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332] si:dkey-88i16.5

ENSDARG00000043735 ENSDARPO0000064220 si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85] si:dkey-88n24.5

ENSDARG00000094594 ENSDARPO0000122530 si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112] si:dkey-8k3.1

ENSDARG00000093612 ENSDARPO0000114776 si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759] si:dkey-92i17.2

ENSDARG00000093173 ENSDARPO0000128220 si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133] si:dkey-93m18.6

ENSDARG00000088513 ENSDARPO0000105040 si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300] si:dkey-95o3.4

ENSDARG00000092452 ENSDARPO0000123154 si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443] si:dkey-95p16.1

ENSDARG00000097725 ENSDARPO0000129411 si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563] si:dkey-96g2.1

ENSDARG00000095649 ENSDARPO0000117720 si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614] si:dkey-97a13.12

ENSDARG00000094133 ENSDARPO0000123613 si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489] si:dkey-9i23.11

ENSDARG00000093997 ENSDARPO0000117097 si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361] si:dkey-9i23.15

ENSDARG00000093954 ENSDARPO0000121370 si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362] si:dkey-9i23.16

ENSDARG00000094678 ENSDARPO0000112567 si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365] si:dkey-9i23.6

ENSDARG00000095407 ENSDARPO0000117530 si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367] si:dkey-9i23.8

ENSDARG00000095978 ENSDARPO0000125207 si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61] si:dkey-9i5.2

ENSDARG00000096109 ENSDARPO0000114404 si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515] si:dkey-9p20.18

ENSDARG00000092141 ENSDARPO0000117956 si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448] si:dkeyp-100a1.6

ENSDARG00000096904 ENSDARPO0000129842 si:dkeyp-100a5.4 [Source:ZFIN;Acc:ZDB-GENE-131122-37] si:dkeyp-100a5.4

ENSDARG00000096109 ENSDARPO0000125442 si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172] si:dkeyp-100h4.2

ENSDARG00000096208 ENSDARPO0000125446 si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140] si:dkeyp-100h4.8

ENSDARG00000096715 ENSDARPO0000127317 si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41] si:dkeyp-104f11.9

ENSDARG00000095549 ENSDARPO0000114208 si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527] si:dkeyp-106c3.2

ENSDARG00000096443 ENSDARPO0000126532 si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34] si:dkeyp-107f9.1

ENSDARG00000096444 ENSDARPO0000126453 si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39] si:dkeyp-107f9.2

ENSDARG00000096442 ENSDARPO0000126454 si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91] si:dkeyp-107f9.4

ENSDARG00000092482 ENSDARPO0000116353 si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452] si:dkeyp-110g5.4

ENSDARG00000095437 ENSDARPO0000118987 si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455] si:dkeyp-117b11.3

ENSDARG00000043004 ENSDARPO0000063136 si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4] si:dkeyp-117h8.4

ENSDARG00000079036 ENSDARPO0000114874 si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2] si:dkeyp-11g8.3

ENSDARG00000091954 ENSDARPO0000116515 si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651] si:dkeyp-122a9.1

ENSDARG00000093116 ENSDARPO0000119741 si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745] si:dkeyp-122a9.2

ENSDARG00000091144 ENSDARPO0000124067 si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377] si:dkeyp-13d11.1

ENSDARG00000077519 ENSDARPO0000114312 si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21] si:dkeyp-13d11.2

ENSDARG00000096290 ENSDARPO0000126070 si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208] si:dkeyp-15g8.5

ENSDARG00000094163 ENSDARPO0000122999 si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63] si:dkeyp-19e1.4

ENSDARG00000092702 ENSDARPO0000113451 si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356] si:dkeyp-20e4.8

ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000093811	ENSDARP00000115469	si:dkeyp-2c8.3 [Source:ZFIN;Acc:ZDB-GENE-081031-97]	si:dkeyp-2c8.3
ENSDARG00000094387	ENSDARP00000122446	si:dkeyp-30e7.2 [Source:ZFIN;Acc:ZDB-GENE-081104-498]	si:dkeyp-30e7.2
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000056954	ENSDARP00000050406	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000095024	ENSDARP00000118612	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000097989	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-081104-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000070490	ENSDARP00000110016	si:dkeyp-75b4.7 [Source:ZFIN;Acc:ZDB-GENE-090312-58]	si:dkeyp-75b4.7
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000092505	ENSDARP00000129195	si:dkeyp-80d11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4126]	si:dkeyp-80d11.1
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000097544	ENSDARP00000106536	si:rp71-1c10.10 [Source:ZFIN;Acc:ZDB-GENE-130603-55]	si:rp71-1c10.10
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000044023	ENSDARP00000064632	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSDARG00000089202	ENSDARP00000109920	si:rp71-40n14.6 [Source:ZFIN;Acc:ZDB-GENE-131127-147]	si:rp71-40n14.6
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000097986	ENSDARP00000129517	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSDARG00000017163	ENSDARP00000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000015158	ENSDARP00000025588	solute carrier family 50 (sugar transporter), member 1 [Source:ZFIN;Acc:ZDB-GENE-050220-11]	slc50a1
ENSDARG00000010596	ENSDARP00000020840	solute carrier family 7, member 6 opposite strand [Source:ZFIN;Acc:ZDB-GENE-041114-32]	slc7a6os
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG0000009871	ENSDARP0000010253	small nuclear ribonucleoprotein polypeptide C [Source:ZFIN;Acc:ZDB-GENE-020419-26]	snrpc
ENSDARG00000088373	ENSDARP00000109164	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4l
ENSDARG00000096554	ENSDARP00000126902	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]	SPAG5
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	srsg
ENSDARG00000069109	ENSDARP00000091074	Sjogren syndrome/scleroderma autoantigen 1 [Source:ZFIN;Acc:ZDB-GENE-041010-102]	ssca1
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000092810	ENSDARP00000056253	signal transducing adaptor family member 2a [Source:ZFIN;Acc:ZDB-GENE-030131-5383]	stap2a
ENSDARG00000043281	ENSDARP00000091289	signal transducing adaptor family member 2b [Source:ZFIN;Acc:ZDB-GENE-040426-2540]	stap2b
ENSDARG00000086641	ENSDARP00000112004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000079949	ENSDARP00000111043	suppressor of Ty 16 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-031118-96]	supt16h

ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000078492	ENSDARP00000100791	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngr2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gt4a
ENSDARG00000036613	ENSDARP00000053182	TGF-beta activated kinase 1/MAP3K7 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-060628-1]	tab1
ENSDARG00000037980	ENSDARP00000114273	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tceb2
ENSDARG00000097471	ENSDARP00000127631	transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B) [Source:HGNC Symbol;Acc:HGNC:11619]	TCEB2
ENSDARG00000040036	ENSDARP00000076009	transcription factor 19 (SC1), like [Source:ZFIN;Acc:ZDB-GENE-060324-2]	tcf19l
ENSDARG00000097346	ENSDARP00000128007	TEN1 CST complex subunit [Source:HGNC Symbol;Acc:HGNC:37242]	TEN1
ENSDARG00000030636	ENSDARP00000119504	testis expressed 30 [Source:ZFIN;Acc:ZDB-GENE-041210-219]	tex30
ENSDARG00000015622	ENSDARP00000017119	TDP-glucose 4,6-dehydratase [Source:ZFIN;Acc:ZDB-GENE-030131-5718]	tgds
ENSDARG00000039583	ENSDARP00000057831	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSDARG00000035018	ENSDARP00000045409	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSDARG00000043898	ENSDARP00000064462	translocase of inner mitochondrial membrane 10 homolog B (yeast) [Source:ZFIN;Acc:ZDB-GENE-050417-370]	timm10b
ENSDARG00000054473	ENSDARP00000113476	TERF1 (TRF1)-interacting nuclear factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-6168]	tin2
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000090543	ENSDARP00000104910	transmembrane protein 138 [Source:ZFIN;Acc:ZDB-GENE-120912-1]	tmem138
ENSDARG00000088342	ENSDARP00000124877	transmembrane protein 145 [Source:ZFIN;Acc:ZDB-GENE-110411-84]	tmem145
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000069494	ENSDARP00000091975	transmembrane protein 223 [Source:ZFIN;Acc:ZDB-GENE-040801-113]	tmem223
ENSDARG00000042272	ENSDARP00000061995	transmembrane protein 231 [Source:ZFIN;Acc:ZDB-GENE-040426-1386]	tmem231
ENSDARG00000025538	ENSDARP00000029099	transmembrane protein 254 [Source:HGNC Symbol;Acc:HGNC:25804]	TMEM254
ENSDARG00000078785	ENSDARP00000043171	transmembrane protein 258 [Source:ZFIN;Acc:ZDB-GENE-040426-1739]	tmem258
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000056920	ENSDARP00000117977	transmembrane protein 88 a [Source:ZFIN;Acc:ZDB-GENE-040426-1808]	tmem88a
ENSDARG00000069388	ENSDARP00000091709	transmembrane protein 88 b [Source:ZFIN;Acc:ZDB-GENE-060929-644]	tmem88b
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomm5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000027547	ENSDARP00000119130	tubulin polyglutamylase complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:25058]	TPGS1
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000013329	ENSDARP00000021151	tetratricopeptide repeat domain 5 [Source:ZFIN;Acc:ZDB-GENE-050417-137]	ttc5
ENSDARG00000058563	ENSDARP00000075886	U-box domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-110411-166]	ubox5
ENSDARG00000070394	ENSDARP00000094017	urocanate hydratase 1 [Source:ZFIN;Acc:ZDB-GENE-081022-148]	uroc1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000053854	ENSDARP00000070445	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000009175	ENSDARP00000047189	vacuolar protein sorting 52 (yeast) [Source:ZFIN;Acc:ZDB-GENE-010430-2]	vps52
ENSDARG00000070403	ENSDARP00000094043	WDYHV motif containing 1 [Source:ZFIN;Acc:ZDB-GENE-060503-848]	wdyvhv1
ENSDARG00000046024	ENSDARP00000067667	within bgcn homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-040426-1464]	wibg
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000075205	ENSDARP00000128678	wu:fi04h01 [Source:ZFIN;Acc:ZDB-GENE-030131-5580]	wu:fi04h01
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000030335	ENSDARP00000041548	zinc finger CCCH-type containing 10 [Source:ZFIN;Acc:ZDB-GENE-040426-2359]	zc3h10
ENSDARG00000035700	ENSDARP00000051776	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSDARG00000019503	ENSDARP00000003749	zgc:103759 [Source:ZFIN;Acc:ZDB-GENE-041010-100]	zgc:103759
ENSDARG00000004265	ENSDARP00000026202	zgc:109986 [Source:ZFIN;Acc:ZDB-GENE-050522-136]	zgc:109986
ENSDARG00000070899	ENSDARP00000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000075258	ENSDARP00000098923	zgc:112970 [Source:ZFIN;Acc:ZDB-GENE-050327-83]	zgc:112970
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000039364	ENSDARP00000057526	zgc:113019 [Source:ZFIN;Acc:ZDB-GENE-050417-449]	zgc:113019
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000051793	ENSDARP00000067963	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000030440	ENSDARP00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000095979	ENSDARP00000077628	zgc:158343 [Source:ZFIN;Acc:ZDB-GENE-061201-9]	zgc:158343
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000069375	ENSDARP00000119281	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608

ENSDARG00000071701	ENSDARP00000096987	zgc:162941 [Source:ZFIN;Acc:ZDB-GENE-030131-8517]	zgc:162941
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG0000007741	ENSDARP00000099712	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F299]	ZGC:165551
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000078551	ENSDARP00000094055	zgc:171242 [Source:ZFIN;Acc:ZDB-GENE-071004-79]	zgc:171242
ENSDARG00000077248	ENSDARP00000103275	zgc:171459 [Source:ZFIN;Acc:ZDB-GENE-030131-2059]	zgc:171459
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000090578	ENSDARP00000106207	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000094800	ENSDARP00000113408	zgc:173545 [Source:ZFIN;Acc:ZDB-GENE-080215-6]	zgc:173545
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000067649	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000074395	ENSDARP00000092570	zgc:174719 [Source:ZFIN;Acc:ZDB-GENE-080213-13]	zgc:174719
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000079255	ENSDARP00000124910	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000041727	ENSDARP00000070231	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000078164	ENSDARP00000096287	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	ZNF576
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000030805	ENSDARP00000050584	zinc finger, HIT-type containing 2 [Source:ZFIN;Acc:ZDB-GENE-061103-46]	znhit2
ENSDARG00000036070	ENSDARP00000121696	zinc ribbon domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050320-131]	znrd1
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000069009	ENSDARP00000090818	novel gene	ENSDARG00000069009
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961

Supplemental table 10. Zebrafish specific genes compared to stickleback

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000028435	ENSDARP00000036675	adipogenesis associated, Mth938 domain containing [Source:ZFIN;Acc:ZDB-GENE-050522-64]	aamdc
ENSDARG00000038583	ENSDARP00000056324	actin-binding Rho activating protein a [Source:ZFIN;Acc:ZDB-GENE-120730-1]	abraa
ENSDARG00000033854	ENSDARP00000046856	actin-binding Rho activating protein b [Source:ZFIN;Acc:ZDB-GENE-040822-7]	abrab
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000086114	ENSDARP00000109901	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	ADTRP
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000077082	ENSDARP00000104107	angiotensin II receptor-associated protein [Source:ZFIN;Acc:ZDB-GENE-050309-11]	agtrap
ENSDARG00000093453	ENSDARP00000125812	AT hook, DNA binding motif, containing 1 [Source:ZFIN;Acc:ZDB-GENE-060503-584]	ahdc1
ENSDARG00000091792	ENSDARP00000110410	A kinase (PRKA) anchor protein (gravin) 12a [Source:ZFIN;Acc:ZDB-GENE-110310-3]	akap12a
ENSDARG00000055678	ENSDARP00000103304	A kinase (PRKA) anchor protein (gravin) 12b [Source:ZFIN;Acc:ZDB-GENE-030131-9753]	akap12b
ENSDARG00000087110	ENSDARP00000109274	AT-hook transcription factor [Source:HGNC Symbol;Acc:HGNC:24108]	AKNA
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845303.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QID2]	AL928685.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBZ3]	AL928685.3
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q192]	AL928887.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000086813	ENSDARP00000107720	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Z2]	AL929239.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000091804	ENSDARP00000108024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAD1]	AL935274.1
ENSDARG00000087367	ENSDARP00000106264	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDP5]	AL953847.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000039671	ENSDARP00000057998	asparagine-linked glycosylation 14 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041010-195]	alg14
ENSDARG00000095819	ENSDARP00000129625	APC membrane recruitment protein 3 [Source:HGNC Symbol;Acc:HGNC:26771]	AMER3
ENSDARG00000089248	ENSDARP00000105587	archaelysin family metalloproteinase 2 [Source:HGNC Symbol;Acc:HGNC:28041]	AMZ2
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000076838	ENSDARP00000123136	apolipoprotein M [Source:ZFIN;Acc:ZDB-GENE-010605-5]	apom
ENSDARG00000019223	ENSDARP0000013189	arginine and glutamate rich 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2914]	arglu1a
ENSDARG00000018319	ENSDARP00000104072	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000012829	ENSDARP00000024847	N-acylsphingosine amidohydrolase 2 [Source:ZFIN;Acc:ZDB-GENE-041112-1]	asah2
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSDARG00000087693	ENSDARP00000105610	ATX1 antioxidant protein 1 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-120720-2]	atox1
ENSDARG00000095897	ENSDARP00000124085	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit [Source:ZFIN;Acc:ZDB-GENE-110411-22]	atp5e
ENSDARG00000078113	ENSDARP00000098791	ATP synthase, H+ transporting, mitochondrial FO complex, subunit e, duplicate a [Source:ZFIN;Acc:ZDB-GENE-070928-12]	atp5ia
ENSDARG00000068940	ENSDARP00000090664	ATP synthase, H+ transporting, mitochondrial FO complex, subunit e, duplicate b [Source:ZFIN;Acc:ZDB-GENE-051130-1]	atp5ib
ENSDARG00000088984	ENSDARP00000106507	5-azacytidine induced gene 1 [Source:ZFIN;Acc:ZDB-GENE-090508-16]	azi1
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000071046	ENSDARP00000095567	BBSome interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-445]	bbip1
ENSDARG00000079217	ENSDARP00000097615	Bardet-Biedl syndrome 9 [Source:ZFIN;Acc:ZDB-GENE-081027-4]	bbs9
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000058978	ENSDARP00000076399	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000041414	ENSDARP00000060712	bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000086332	ENSDARP00000108026	brain protein I3 [Source:ZFIN;Acc:ZDB-GENE-030131-3038]	bri3
ENSDARG00000056247	ENSDARP00000072634	BRICHOS domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-050208-85]	bricd5
ENSDARG00000037008	ENSDARP00000111788	Bernardinelli-Seip congenital lipodystrophy 2 (seipin) [Source:ZFIN;Acc:ZDB-GENE-051113-140]	bsecl2
ENSDARG00000025912	ENSDARP00000106813	Bernardinelli-Seip congenital lipodystrophy 2, like [Source:ZFIN;Acc:ZDB-GENE-050320-130]	bsecl2l
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB17]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG0000007067	ENSDARP0000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000055446	ENSDARP00000072273	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Y4]	BX004983.1
ENSDARG00000077273	ENSDARP00000098164	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK12]	BX005012.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000076358	ENSDARP00000076481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9H8]	BX005329.1

ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000090319	ENSDARP00000107528	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2P1]	BX005356.3
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QVA5]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
		coiled-coil-helix-coiled-coil-helix domain-containing protein 8-like (LOC796017), mRNA [Source:RefSeq	
ENSDARG00000078974	ENSDARP00000102657	mRNA;Acc:NM_001200036]	BX088524.2
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GVS3]	BX088712.2
ENSDARG00000086942	ENSDARP00000102867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJF3]	BX247865.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7S5]	BX248120.1
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000091479	ENSDARP00000091762	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F105]	BX296538.3
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8W5Q1]	BX322587.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323001.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYH7]	BX324163.1
ENSDARG00000086880	ENSDARP00000107696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R5N5]	BX324215.4
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA [Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB66]	BX465187.1
ENSDARG00000088978	ENSDARP00000105277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP17]	BX465203.2
ENSDARG00000090265	ENSDARP00000104527	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ10]	BX465203.3
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSP7]	BX469930.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000087122	ENSDARP00000108005	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF1]	BX511061.2
ENSDARG00000087370	ENSDARP00000105580	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFT1]	BX511080.1
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000091334	ENSDARP00000107124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F011]	BX511252.1
ENSDARG00000056519	ENSDARP00000067499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAW5]	BX511257.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZD7]	BX530062.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000052294	ENSDARP00000068611	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1T5]	BX537277.1
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY68]	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000036085	ENSDARP00000032169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZM3]	BX571811.1
ENSDARG00000095082	ENSDARP00000113618	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9H7]	BX571811.2
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTU8]	BX572078.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000086783	ENSDARP00000109419	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY57]	BX640547.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM7]	BX649431.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA79]	BX649524.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000088503	ENSDARP00000107454	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3L5]	BX682234.2
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY13]	BX897747.3
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1
ENSDARG00000053649	ENSDARP00000070181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QPY2]	BX927082.1
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBNO]	BX936450.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000095594	ENSDARP00000116545	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40051]	C10H5orf63
ENSDARG00000032885	ENSDARP00000046158	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Acc:HGNC:28567]	C11H1orf158
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H2orf96
ENSDARG00000086324	ENSDARP00000109297	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc:HGNC:25024]	C11H3orf14
ENSDARG00000086310	ENSDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H1orf107
ENSDARG00000086945	ENSDARP00000110271	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C12H1orf71
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H1orf89

ENSDARG00000057166	ENSDARP00000114080	chromosome 10 open reading frame 11 [Source:HGNC Symbol;Acc:HGNC:23405]	C13H10orf11
ENSDARG00000069363	ENSDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H10orf53
ENSDARG00000086970	ENSDARP00000106442	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C13H10orf71
ENSDARG00000078140	ENSDARP00000101672	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]	C13H2orf50
ENSDARG00000089552	ENSDARP00000109836	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:26850]	C13H2orf61
ENSDARG00000077614	ENSDARP00000099360	chromosome 6 open reading frame 203 [Source:HGNC Symbol;Acc:HGNC:17971]	C13H6orf203
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000037142	ENSDARP00000054005	chromosome 4 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:34346]	C14H4orf47
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14HXorf65
ENSDARG00000082524	ENSDARP00000075548	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30527]	C15H11orf53
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG00000069168	ENSDARP00000091231	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:24497]	C18H15orf39
ENSDARG00000090951	ENSDARP00000110613	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	C19H1orf216
ENSDARG00000074049	ENSDARP00000103805	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:27028]	C19H5orf49
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000044612	ENSDARP00000065547	complement component 1, q subcomponent, B chain [Source:ZFIN;Acc:ZDB-GENE-040801-223]	c1qb
ENSDARG00000078606	ENSDARP00000099031	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Acc:HGNC:25332]	C20H1orf131
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000071487	ENSDARP00000104440	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C21H18orf54
ENSDARG00000090747	ENSDARP00000104703	chromosome 5 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:20656]	C21H5orf15
ENSDARG00000019707	ENSDARP00000090309	chromosome 9 open reading frame 114 [Source:HGNC Symbol;Acc:HGNC:26933]	C21H9orf114
ENSDARG00000071378	ENSDARP00000096258	chromosome 19 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33702]	C22H19orf70
ENSDARG00000071439	ENSDARP00000096390	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]	C22H1orf53
ENSDARG00000070868	ENSDARP00000083775	chromosome 1 open reading frame 192 [Source:HGNC Symbol;Acc:HGNC:32325]	C23H1orf192
ENSDARG00000089979	ENSDARP00000117470	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C24H18orf63
ENSDARG00000089303	ENSDARP00000104692	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:1174]	C25H11orf24
ENSDARG00000089139	ENSDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSDARG00000097208	ENSDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSDARG00000045797	ENSDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSDARG00000097310	ENSDARP00000128166	chromosome 15 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:28443]	C25H15orf40
ENSDARG00000089687	ENSDARP00000129715	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C25H17orf105
ENSDARG00000076896	ENSDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C2H10orf67
ENSDARG00000063341	ENSDARP00000086911	chromosome 1 open reading frame 123 [Source:HGNC Symbol;Acc:HGNC:26059]	C2H1orf123
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000052176	ENSDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG0000013051	ENSDARP00000119025	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30527]	C5H11orf53
ENSDARG00000075714	ENSDARP00000122168	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C5H11orf88
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000088753	ENSDARP00000115560	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C5H4orf22
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000068122	ENSDARP00000116312	chromosome 9 open reading frame 171 [Source:HGNC Symbol;Acc:HGNC:33776]	C5H9orf171
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9
ENSDARG00000075814	ENSDARP00000099890	chromosome 1 open reading frame 146 [Source:HGNC Symbol;Acc:HGNC:24032]	C6H1orf146
ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]	C6H21orf58
ENSDARG00000039477	ENSDARP00000057676	chromosome 15 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28520]	C7H15orf43
ENSDARG00000046141	ENSDARP00000067842	chromosome 12 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:25719]	C8H12orf43
ENSDARG00000034457	ENSDARP00000048622	chromosome 1 open reading frame 194 [Source:HGNC Symbol;Acc:HGNC:32331]	C8H1orf194
ENSDARG00000058940	ENSDARP00000076347	chromosome 9 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28435]	C8H9orf116
ENSDARG00000093739	ENSDARP00000116725	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C9H17orf105
ENSDARG00000087317	ENSDARP00000111247	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJZ4]	CABZ01001819.1
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY7Y]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWG5]	CABZ01015787.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CABZ01023601.1
ENSDARG00000089216	ENSDARP00000107063	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F159]	CABZ01024686.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7F5]	CABZ01030107.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCF7]	CABZ01031933.1
ENSDARG00000090985	ENSDARP00000108221	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8K5]	CABZ01034531.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8J9]	CABZ01034702.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1

ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CABZ01038802.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1		CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC10003647), mRNA	[Source:RefSeq mRNA;Acc:NM_001172308]	CABZ01040055.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1		CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1		CABZ01044356.1
ENSDARG00000089893	ENSDARP00000111272	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F306]	CABZ01044611.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8V8]	CABZ01046425.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R900]	CABZ01046427.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2R9]	CABZ01046432.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000086420	ENSDARP00000107384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4C8]	CABZ01046494.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY6P]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1		CABZ01052573.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR51]	CABZ01053196.1
ENSDARG00000090923	ENSDARP00000106342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000087246	ENSDARP00000109975	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9G209]	CABZ01055715.1
ENSDARG00000088172	ENSDARP00000110603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXC1]	CABZ01056518.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0U5]	CABZ01056821.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CABZ01058871.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8B2]	CABZ01061495.1
ENSDARG00000079047	ENSDARP00000102812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1H2]	CABZ01061496.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q5S5]	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086267	ENSDARP00000111718	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAU4]	CABZ01063556.1
ENSDARG00000091068	ENSDARP00000104444	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH9]	CABZ01063789.1
ENSDARG00000089125	ENSDARP00000110886	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7E8]	CABZ01064012.1
ENSDARG00000063315	ENSDARP00000111345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CABZ01064968.1
ENSDARG00000089818	ENSDARP00000110175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CABZ01064968.2
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GS58]	CABZ01064972.2
ENSDARG00000091311	ENSDARP00000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9Z6]	CABZ01064973.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP00000109290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GVH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000034063	ENSDARP00000020089	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED8]	CABZ01068208.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDF5]	CABZ01071911.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXIO]	CABZ01072487.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000091638	ENSDARP00000106375	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QMH4]	CABZ01072989.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000086759	ENSDARP00000109372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ51]	CABZ01074268.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWM4]	CABZ01074659.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GQX1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG000000909361	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F044]	CABZ01077220.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBB6]	CABZ01077223.1

ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q3T5]	CABZ01078262.1
ENSDARG00000090801	ENSDARP0000011828	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QGPO]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01078520.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXD1]	CABZ01078610.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000087802	ENSDARP00000108867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGA9]	CABZ01080590.1
ENSDARG00000078664	ENSDARP00000102131	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYV2]	CABZ01080599.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000087632	ENSDARP00000104796	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0P6]	CABZ01083502.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE55]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000036619	ENSDARP00000053183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3U6]	CABZ01084569.1
ENSDARG00000089451	ENSDARP00000108957	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F692]	CABZ01084846.1
ENSDARG00000059047	ENSDARP00000096958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4R0]	CABZ01085069.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000086023	ENSDARP00000104637	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01088061.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01111604.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000079534	ENSDARP00000103731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F720]	CABZ01112215.1
ENSDARG00000092026	ENSDARP00000121632	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFA1]	CABZ01112215.2
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089677	ENSDARP00000109187	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYV4]	CABZ01117603.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCX2]	CABZ01118775.1
ENSDARG00000045207	ENSDARP00000090032	calcium modulating ligand [Source:ZFIN;Acc:ZDB-GENE-040426-2407]	camlg
ENSDARG00000058486	ENSDARP00000075799	calcyphosine 2 [Source:ZFIN;Acc:ZDB-GENE-091204-449]	caps2
ENSDARG00000019950	ENSDARP00000118967	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103 [Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccd103
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000069762	ENSDARP00000092547	coiled-coil domain containing 11 [Source:ZFIN;Acc:ZDB-GENE-060503-508]	ccd11
ENSDARG00000030508	ENSDARP00000048732	coiled-coil domain containing 134 [Source:HGNC Symbol;Acc:HGNC:26185]	CCDC134
ENSDARG00000086557	ENSDARP00000108741	coiled-coil domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-120215-134]	ccd14
ENSDARG00000091927	ENSDARP00000059450	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000090935	ENSDARP00000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccd153
ENSDARG00000089570	ENSDARP00000122848	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccd169
ENSDARG00000016161	ENSDARP00000109073	coiled-coil domain containing 170 [Source:ZFIN;Acc:ZDB-GENE-070112-162]	ccd170
ENSDARG00000039937	ENSDARP00000128177	coiled-coil domain containing 172 [Source:ZFIN;Acc:ZDB-GENE-090313-1]	ccd172
ENSDARG00000089320	ENSDARP00000129277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccd175
ENSDARG00000067841	ENSDARP00000106528	coiled-coil domain containing 177 [Source:ZFIN;Acc:ZDB-GENE-130530-718]	ccd177
ENSDARG00000090429	ENSDARP00000116840	coiled-coil domain containing 178 [Source:HGNC Symbol;Acc:HGNC:29588]	CCDC178
ENSDARG00000032372	ENSDARP00000106261	coiled-coil domain containing 180 [Source:HGNC Symbol;Acc:HGNC:29303]	CCDC180
ENSDARG00000051858	ENSDARP00000068063	coiled-coil domain containing 33 [Source:ZFIN;Acc:ZDB-GENE-101011-1]	ccd33
ENSDARG0000003582	ENSDARP0000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000035550	ENSDARP00000051529	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccd42b
ENSDARG00000089863	ENSDARP00000104714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY31]	CCDC57
ENSDARG00000071314	ENSDARP00000096141	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000087502	ENSDARP00000110179	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGNC:27709]	CCDC66
ENSDARG00000071570	ENSDARP00000118626	coiled-coil domain containing 71 [Source:HGNC Symbol;Acc:HGNC:25760]	CCDC71
ENSDARG00000093805	ENSDARP00000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccd73
ENSDARG00000030095	ENSDARP00000042272	coiled-coil domain containing 78 [Source:ZFIN;Acc:ZDB-GENE-060301-1]	ccd78
ENSDARG00000058587	ENSDARP00000075909	coiled-coil domain containing 79 [Source:ZFIN;Acc:ZDB-GENE-060503-732]	ccd79

ENSDARG00000077179	ENSDARP00000103987	coiled-coil domain containing 83 [Source:ZFIN;Acc:ZDB-GENE-130723-1]	ccd83
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccd87
ENSDARG00000035963	ENSDARP00000052200	coiled-coil domain containing 96 [Source:ZFIN;Acc:ZDB-GENE-081022-156]	ccd96
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000070810	ENSDARP00000095053	cholecystokinin [Source:ZFIN;Acc:ZDB-GENE-100922-79]	cck
ENSDARG00000038634	ENSDARP00000103167	cholecystokinin [Source:HGNC Symbol;Acc:HGNC:1569]	CKK
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000094511	ENSDARP00000122800	chemokine (C-C motif) ligand 20 [Source:ZFIN;Acc:ZDB-GENE-091204-95]	cc120
ENSDARG00000074772	ENSDARP00000101027	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	cc1-c11b
ENSDARG00000077240	ENSDARP00000114499	CD247 antigen like [Source:ZFIN;Acc:ZDB-GENE-070508-2]	cd2471
ENSDARG00000095070	ENSDARP00000115721	CD28 molecule [Source:ZFIN;Acc:ZDB-GENE-070912-128]	cd28
ENSDARG00000087508	ENSDARP00000126284	CD99 molecule-like 2 [Source:HGNC Symbol;Acc:HGNC:18237]	CD99L2
ENSDARG00000077815	ENSDARP00000100739	cell division cycle 26 homolog [Source:ZFIN;Acc:ZDB-GENE-040822-18]	cdc26
ENSDARG00000023724	ENSDARP00000034273	CDC42 small effector 1 [Source:ZFIN;Acc:ZDB-GENE-030131-9260]	cdc42se1
ENSDARG00000094577	ENSDARP00000123282	CDC42 small effector 2 [Source:HGNC Symbol;Acc:HGNC:18547]	CDC42SE2
ENSDARG00000068759	ENSDARP00000090340	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]	CDCA2
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000094388	ENSDARP00000119071	celsr2	celsr2
ENSDARG00000094892	ENSDARP00000123314	centromere protein H [Source:ZFIN;Acc:ZDB-GENE-081104-340]	cenph
ENSDARG00000075619	ENSDARP00000129490	centromere protein O [Source:ZFIN;Acc:ZDB-GENE-070928-16]	cenpo
ENSDARG00000044135	ENSDARP00000064804	centromere protein P [Source:ZFIN;Acc:ZDB-GENE-040801-74]	cenpp
ENSDARG00000088924	ENSDARP00000106330	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	CENPU
ENSDARG00000053106	ENSDARP00000107217	centrosomal protein 44 [Source:ZFIN;Acc:ZDB-GENE-060929-392]	cep44
ENSDARG00000029100	ENSDARP00000091714	coiled-coil-helix-coiled-coil-helix domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-060810-176]	chchd1
ENSDARG00000091754	ENSDARP00000111012	coiled-coil-helix-coiled-coil-helix domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17840]	CHCHD5
ENSDARG00000086112	ENSDARP00000107497	cytoskeleton associated protein 2 [Source:HGNC Symbol;Acc:HGNC:1990]	CKAP2
ENSDARG00000092098	ENSDARP00000121234	cytoskeleton associated protein 2-like [Source:HGNC Symbol;Acc:HGNC:26877]	CKAP2L
ENSDARG00000016290	ENSDARP00000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSDARG00000076140	ENSDARP00000124677	cardiotrophin-like cytokine factor 1 [Source:ZFIN;Acc:ZDB-GENE-110411-244]	clcf1
ENSDARG00000087655	ENSDARP00000106337	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog [s. cervisiae] [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000074312	ENSDARP00000098911	cytochrome C oxidase assembly factor 3 [Source:ZFIN;Acc:ZDB-GENE-060810-187]	coa3
ENSDARG00000097456	ENSDARP00000128959	cytochrome c oxidase assembly factor 3 [Source:HGNC Symbol;Acc:HGNC:24990]	COA3
ENSDARG00000094833	ENSDARP00000119256	cytochrome C oxidase assembly factor 5 [Source:ZFIN;Acc:ZDB-GENE-060825-53]	coa5
ENSDARG00000095874	ENSDARP00000123716	component of oligomeric golgi complex 3 [Source:ZFIN;Acc:ZDB-GENE-050913-26]	cog3
ENSDARG00000031203	ENSDARP00000091561	copper metabolism (Murr1) domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-060512-329]	commd1
ENSDARG00000094258	ENSDARP00000087357	COMM domain containing 9 [Source:ZFIN;Acc:ZDB-GENE-070424-139]	commd9
ENSDARG00000092124	ENSDARP00000117013	cytochrome c oxidase assembly homolog 14 (s. cervisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000088059	ENSDARP00000112079	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGE4]	CR293520.1
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1YUJ3]	CR352226.2
ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG00000077393	ENSDARP00000101746	CR352230.1	CR352230.1
ENSDARG00000089432	ENSDARP00000109782	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QD86]	CR352328.2
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000090166	ENSDARP00000107463	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3B7]	CR356223.2
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000079364	ENSDARP00000100045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAQ9]	CR377211.1
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:9EQFC5]	CR381646.1
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000076607	ENSDARP00000092275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2D7]	CR383676.3
ENSDARG00000022620	ENSDARP00000029205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBT3]	CR384075.1
ENSDARG00000090754	ENSDARP00000104690	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYF1]	CR384075.2
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCI3]	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000076953	ENSDARP00000101155	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV2]	CR388416.1
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000070274	ENSDARP00000126382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K7DY55]	CR407594.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000090899	ENSDARP00000107370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4D5]	CR450711.2
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ9J]	CR450808.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000017504	ENSDARP00000093343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1Q1]	CR457462.1
ENSDARG00000090837	ENSDARP00000109371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJP4]	CR545469.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7FCY7]	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI54]	CR548627.1

ENSDARG00000091468	ENSDARP00000110790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1		CR626886.1
ENSDARG00000088608	ENSDARP00000111477	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGU4]	CR628385.1
ENSDARG00000087643	ENSDARP00000112336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9L9]	CR762483.1
ENSDARG00000074973	ENSDARP00000101053	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0D0]	CR788254.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZH3]	CR792453.2
ENSDARG00000086238	ENSDARP00000106282	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDN6]	CR847511.1
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000086423	ENSDARP00000105108	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FG35]	CR847950.4
ENSDARG00000089604	ENSDARP00000105977	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D8]	CR848728.2
ENSDARG00000036829	ENSDARP00000053470	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIM9]	CR848787.1
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000090480	ENSDARP00000109633	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000090758	ENSDARP00000108395	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7Z1]	CR854942.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000087589	ENSDARP00000105931	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3G4]	CR855327.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH9]	CR926879.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000076494	ENSDARP00000094400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFR6]	CR931813.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA	[Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089890	ENSDARP00000020392	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A5WV53]	CR936442.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RDF9]	CR974475.1
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2	[Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA	[Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000088428	ENSDARP00000109354	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E265]	CT027744.3
ENSDARG00000089112	ENSDARP00000104670	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY3G]	CT027800.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1ROC8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000075807	ENSDARP00000099340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBR2]	CT867973.1
ENSDARG00000090332	ENSDARP00000110744	cortexin 1	[Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000090991	ENSDARP00000106210	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDR7]	CU151895.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000054527	ENSDARP00000071204	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLT8]	CU459094.1
ENSDARG00000087237	ENSDARP00000107926	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F470]	CU463231.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000095493	ENSDARP00000114676	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI08]	CU570881.3
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHLS]	CU570889.1
ENSDARG00000091640	ENSDARP00000107548	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N1]	CU571169.5
ENSDARG00000089920	ENSDARP00000105776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F424]	CU571255.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC100000433), mRNA	[Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2

ENSDARG00000089744	ENSDARP00000109611	CU633479.3		CU633479.3
ENSDARG00000086704	ENSDARP00000107408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3T2]	CU638740.3
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QN87]	CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1		CU681842.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000087038	ENSDARP00000111796	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYM1]	CU694254.1
ENSDARG00000087149	ENSDARP00000107100	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0L4]	CU694385.1
ENSDARG00000032477	ENSDARP00000090457	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC83]	CU695232.1
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5S5]	CU855780.1
ENSDARG00000074630	ENSDARP00000102039	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2D4]	CU856207.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDARG00000088542	ENSDARP00000108246	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWS1]	CU896555.1
ENSDARG00000043033	ENSDARP00000108777	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUF5]	CU896691.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1		CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA	[Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000087448	ENSDARP00000108839	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT99]	CU929143.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64	[Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl6
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c	[Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c	[Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDARG00000086728	ENSDARP00000106158	chromosome X open reading frame 58	[Source:HGNC Symbol;Acc:HGNC:26356]	Czv9_scaffold3516HXorf58
ENSDARG00000056077	ENSDARP00000124288	DC-STAMP domain containing 1	[Source:ZFIN;Acc:ZDB-GENE-070809-5]	dcst1
ENSDARG00000088693	ENSDARP00000124494	DC-STAMP domain containing 2	[Source:ZFIN;Acc:ZDB-GENE-070809-6]	dcst2
ENSDARG00000037172	ENSDARP00000054056	DDRK domain containing 1	[Source:ZFIN;Acc:ZDB-GENE-040426-1050]	ddrgk1
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse)	[Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1	[Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7	[Source:HGNC Symbol;Acc:HGNC:17567]	DLEU7
ENSDARG00000041134	ENSDARP00000060295	dynein, axonemal, assembly factor 2	[Source:ZFIN;Acc:ZDB-GENE-050809-128]	dnaaf2
ENSDARG00000076991	ENSDARP00000099663	dolichol kinase	[Source:ZFIN;Acc:ZDB-GENE-070410-59]	dolk
ENSDARG00000059774	ENSDARP00000077884	duboraya	[Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSDARG00000091663	ENSDARP00000108192	DPY30 domain containing 2	[Source:HGNC Symbol;Acc:HGNC:23468]	DYDC2
ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator	[Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSDARG00000092825	ENSDARP00000129539	EF-hand calcium binding domain 10	[Source:HGNC Symbol;Acc:HGNC:34531]	EFCAB10
ENSDARG00000042937	ENSDARP00000098468	EF-hand calcium binding domain 6	[Source:HGNC Symbol;Acc:HGNC:24204]	EFCAB6
ENSDARG00000069703	ENSDARP00000092403	EF-hand domain family, member B	[Source:ZFIN;Acc:ZDB-GENE-091001-1]	efhb
ENSDARG00000068831	ENSDARP00000090467	EGF-like domain, multiple 6	[Source:ZFIN;Acc:ZDB-GENE-040718-157]	egfl6
ENSDARG00000053840	ENSDARP00000070422	etoposide induced 2.4	[Source:ZFIN;Acc:ZDB-GENE-050417-457]	ei24
ENSDARG00000069994	ENSDARP00000093092	elastin a	[Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP00000123914	elastin b	[Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000070242	ENSDARP00000093713	endonuclease domain containing 1	[Source:HGNC Symbol;Acc:HGNC:29129]	ENDOD1
ENSDARG00000090936	ENSDARP00000106252	glutamate-rich 2	[Source:HGNC Symbol;Acc:HGNC:44395]	ERICH2
ENSDARG00000069262	ENSDARP00000091424	glutamate-rich 3	[Source:HGNC Symbol;Acc:HGNC:25346]	ERICH3
ENSDARG00000067759	ENSDARP00000112189	exonuclease 3'-5' domain containing 1	[Source:ZFIN;Acc:ZDB-GENE-060825-267]	exd1
ENSDARG00000042727	ENSDARP00000105428	exonuclease 5	[Source:HGNC Symbol;Acc:HGNC:26115]	EXO5
ENSDARG0000006474	ENSDARP00000053859	family with sequence similarity 154, member B	[Source:ZFIN;Acc:ZDB-GENE-051127-27]	fam154b
ENSDARG00000078871	ENSDARP00000099646	family with sequence similarity 166, member B	[Source:ZFIN;Acc:ZDB-GENE-070209-41]	fam166b
ENSDARG00000087144	ENSDARP00000110223	family with sequence similarity 183, member B	[Source:HGNC Symbol;Acc:HGNC:34511]	FAM183B
ENSDARG00000074168	ENSDARP00000101887	family with sequence similarity 208, member B	[Source:ZFIN;Acc:ZDB-GENE-041111-225]	fam208b
ENSDARG00000088505	ENSDARP00000109102	family with sequence similarity 217, member B	[Source:ZFIN;Acc:ZDB-GENE-090313-236]	fam217b
ENSDARG00000091799	ENSDARP00000107667	family with sequence similarity 217, member B	[Source:HGNC Symbol;Acc:HGNC:16170]	FAM217B
ENSDARG00000023657	ENSDARP00000034489	family with sequence similarity 219, member B	[Source:ZFIN;Acc:ZDB-GENE-050327-82]	fam219b
ENSDARG00000042936	ENSDARP00000063033	family with sequence similarity 228, member A	[Source:ZFIN;Acc:ZDB-GENE-041014-83]	fam228a
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like	[Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000035193	ENSDARP00000050978	family with sequence similarity 81, member B	[Source:HGNC Symbol;Acc:HGNC:26335]	FAM81B
ENSDARG00000011520	ENSDARP00000074711	Fas ligand (TNF superfamily, member 6)	[Source:ZFIN;Acc:ZDB-GENE-070410-16]	faslg
ENSDARG00000054222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8	[Source:ZFIN;Acc:ZDB-GENE-051120-81]	fbxl8
ENSDARG00000088801	ENSDARP00000105158	FYVE, RhoGEF and PH domain containing 5a	[Source:ZFIN;Acc:ZDB-GENE-090428-3]	fgd5a
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1	[Source:HGNC Symbol;Acc:HGNC:29408]	FHAD1
ENSDARG00000068850	ENSDARP00000090488	fragile histidine triad gene	[Source:ZFIN;Acc:ZDB-GENE-040426-1703]	fhit
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b	[Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000093910	ENSDARP00000120136	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QHI6]	FP015791.1
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000086113	ENSDARP00000106682	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA29]	FP236789.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXP4]	FP245465.2
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ43]	FP245472.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1

ENSDARG00000074356	ENSDARP00000115873	frataxin [Source:ZFIN;Acc:ZDB-GENE-070209-286]	fxn
ENSDARG00000095094	ENSDARP00000120484	FX/YD domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fyxd6
ENSDARG00000097057	ENSDARP00000127704	FX/YD domain containing ion transport regulator 6 like [Source:ZFIN;Acc:ZDB-GENE-071205-8]	fyxd6l
ENSDARG00000015775	ENSDARP00000002791	growth associated protein 43 [Source:ZFIN;Acc:ZDB-GENE-990415-87]	gap43
ENSDARG00000076526	ENSDARP00000101401	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSDARG00000077298	ENSDARP00000103824	growth arrest-specific 1a [Source:ZFIN;Acc:ZDB-GENE-050302-155]	gas1a
ENSDARG00000067984	ENSDARP00000088818	growth arrest-specific 1b [Source:ZFIN;Acc:ZDB-GENE-050302-79]	gas1b
ENSDARG00000089310	ENSDARP00000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000071871	ENSDARP00000097435	glyoxalase domain containing 5 [Source:HGNC Symbol;Acc:HGNC:33358]	GLD5
ENSDARG00000068719	ENSDARP00000090270	geminin coiled-coil domain containing [Source:ZFIN;Acc:ZDB-GENE-121211-1]	gmnc
ENSDARG00000090051	ENSDARP00000110502	G protein-coupled receptor, class C, group 5, member A [Source:HGNC Symbol;Acc:HGNC:9836]	GPRC5A
ENSDARG00000086973	ENSDARP00000108308	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]	GPRIN1
ENSDARG00000075043	ENSDARP00000100162	GPRIN family member 3 [Source:HGNC Symbol;Acc:HGNC:27733]	GPRIN3
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000043074	ENSDARP00000063243	gastrin-releasing peptide [Source:ZFIN;Acc:ZDB-GENE-060526-117]	grp
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000037432	ENSDARP00000104260	HAUS augmin-like complex, subunit 7 [Source:ZFIN;Acc:ZDB-GENE-050506-15]	haus7
ENSDARG00000070932	ENSDARP00000095322	hypocretin (orexin) neuropeptide precursor [Source:ZFIN;Acc:ZDB-GENE-040324-1]	hcrt
ENSDARG00000092074	ENSDARP00000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000078148	ENSDARP00000099975	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26013]	HEATR2
ENSDARG00000090753	ENSDARP00000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	helb
ENSDARG00000087842	ENSDARP00000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmg1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2
ENSDARG00000036754	ENSDARP00000113097	high mobility group nucleosomal binding domain 3 [Source:ZFIN;Acc:ZDB-GENE-041114-180]	hmg3
ENSDARG00000034222	ENSDARP00000043665	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	HS1BP3
ENSDARG00000067777	ENSDARP00000088395	heat shock protein family B (small), member 11 [Source:HGNC Symbol;Acc:HGNC:25019]	HSPB11
ENSDARG00000061380	ENSDARP00000081912	HUS1 checkpoint homolog (S. pombe) [Source:HGNC Symbol;Acc:HGNC:5309]	HUS1
ENSDARG00000033594	ENSDARP00000056360	indoleamine 2,3-dioxygenase 1 [Source:ZFIN;Acc:ZDB-GENE-080228-2]	ido1
ENSDARG00000086881	ENSDARP00000108516	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000087131	ENSDARP00000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnph2
ENSDARG00000070676	ENSDARP00000094768	interferon phi 3 [Source:ZFIN;Acc:ZDB-GENE-071128-2]	ifnph3
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000078520	ENSDARP00000110236	IKKBK interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBIP
ENSDARG00000078147	ENSDARP00000098423	interleukin 10 [Source:ZFIN;Acc:ZDB-GENE-051111-1]	il10
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000043934	ENSDARP00000064512	interleukin 17a/f2 [Source:ZFIN;Acc:ZDB-GENE-061031-2]	il17a/f2
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000054128	ENSDARP00000128415	im:7136021 [Source:ZFIN;Acc:ZDB-GENE-041008-74]	im:7136021
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000035551	ENSDARP00000051530	IQ motif containing D [Source:ZFIN;Acc:ZDB-GENE-060526-200]	iqcd
ENSDARG00000068678	ENSDARP00000090196	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	IQCG
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000076831	ENSDARP00000102959	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSDARG00000036903	ENSDARP00000053587	interleukin-1 receptor-associated kinase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050522-272]	irak1bp1
ENSDARG00000007534	ENSDARP00000110426	intelectin 1 [Source:ZFIN;Acc:ZDB-GENE-060929-564]	itln1
ENSDARG00000036084	ENSDARP00000052386	intelectin 2 [Source:ZFIN;Acc:ZDB-GENE-050411-58]	itln2
ENSDARG00000003523	ENSDARP00000014852	intelectin 3 [Source:ZFIN;Acc:ZDB-GENE-090527-4]	itln3
ENSDARG00000053630	ENSDARP00000070650	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F413]	ITLN4
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077985	ENSDARP00000098871	kisspeptin 2 [Source:ZFIN;Acc:ZDB-GENE-090526-1]	kiss2

ENSDARG00000079753	ENSDARP00000102994	kizuna centrosomal protein [Source:HGNC Symbol;Acc:HGNC:15865]	KIZ
ENSDARG00000074379	ENSDARP00000099723	kinetochore-localized astrin/SPAG5 binding protein [Source:ZFIN;Acc:ZDB-GENE-081022-187]	knstrn
ENSDARG00000070386	ENSDARP00000093996	keratinocyte associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-060825-91]	krtpcap2
ENSDARG00000074036	ENSDARP00000097688	kyphoscoliosis peptidase [Source:ZFIN;Acc:ZDB-GENE-090313-64]	ky
ENSDARG00000057075	ENSDARP00000116826	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3 [Source:ZFIN;Acc:ZDB-GENE-050522-345]	lamtor3
ENSDARG00000090194	ENSDARP00000106008	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5 [Source:ZFIN;Acc:ZDB-GENE-110411-193]	lamtor5
ENSDARG00000090297	ENSDARP00000111714	low density lipoprotein receptor class A domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-110204-1]	ldlrad2
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lencep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000086879	ENSDARP00000110453	lines homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:30922]	LINS
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRIF1
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRC49
ENSDARG00000078611	ENSDARP00000113601	leucine-rich repeats and IQ motif containing 3 [Source:ZFIN;Acc:ZDB-GENE-081104-400]	Lrriq3
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha [TNF superfamily, member 1] [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000043102	ENSDARP00000128950	latexin [Source:ZFIN;Acc:ZDB-GENE-041212-18]	lxn
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000033138	ENSDARP000000041191	LYR motif containing 2 [Source:ZFIN;Acc:ZDB-GENE-040914-27]	lyrm2
ENSDARG00000091079	ENSDARP00000105998	mitochondrial assembly of ribosomal large subunit 1 [Source:HGNC Symbol;Acc:HGNC:21721]	MALSU1
ENSDARG00000036851	ENSDARP00000124905	MANSC domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070209-77]	mansc1
ENSDARG00000035715	ENSDARP00000051803	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSDARG00000012932	ENSDARP00000123222	methionine adenosyltransferase II, beta [Source:ZFIN;Acc:ZDB-GENE-030131-786]	mat2b
ENSDARG00000021572	ENSDARP00000036480	Mab-21 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-090313-23]	mb21d1
ENSDARG00000087450	ENSDARP00000107850	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6935]	MCC
ENSDARG00000097371	ENSDARP00000118124	mcf2b	mcf2b
ENSDARG00000089564	ENSDARP00000108995	MyoD family inhibitor [Source:HGNC Symbol;Acc:HGNC:6967]	MDFI
ENSDARG00000074223	ENSDARP00000100015	MyoD family inhibitor domain containing [Source:HGNC Symbol;Acc:HGNC:28870]	MDFIC
ENSDARG00000088040	ENSDARP00000108620	magnesium-dependent phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28781]	MDP1
ENSDARG00000038069	ENSDARP00000115092	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase a [Source:ZFIN;Acc:ZDB-GENE-050522-249]	mgat3a
ENSDARG00000071026	ENSDARP00000095520	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	mlt11
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000068344	ENSDARP00000089565	methylmalonic aciduria (cobalamin deficiency) cblB type [Source:ZFIN;Acc:ZDB-GENE-060526-232]	mmab
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mplkip
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000016573	ENSDARP00000023371	maestro heat-like repeat family member 1 [Source:ZFIN;Acc:ZDB-GENE-090806-2]	mrh1
ENSDARG00000054606	ENSDARP00000071305	mitochondrial ribosomal protein L1 [Source:ZFIN;Acc:ZDB-GENE-060526-311]	mrpl1
ENSDARG00000092954	ENSDARP00000121717	mitochondrial ribosomal protein L34 [Source:ZFIN;Acc:ZDB-GENE-070912-582]	mrpl34
ENSDARG00000070607	ENSDARP00000094638	mitochondrial ribosomal protein L36 [Source:ZFIN;Acc:ZDB-GENE-060503-821]	mrpl36
ENSDARG00000071468	ENSDARP00000096469	mitochondrial ribosomal protein L54 [Source:ZFIN;Acc:ZDB-GENE-050208-381]	mrpl54
ENSDARG00000079823	ENSDARP00000098403	mitochondrial ribosomal protein S36 [Source:HGNC Symbol;Acc:HGNC:16631]	MRPS36
ENSDARG00000039543	ENSDARP00000057733	mitochondrial ribosomal protein S6 [Source:ZFIN;Acc:ZDB-GENE-060825-59]	mrps6
ENSDARG00000061505	ENSDARP00000082215	mitochondrial ribosomal protein S9 [Source:ZFIN;Acc:ZDB-GENE-060825-257]	mrps9
ENSDARG00000043798	ENSDARP00000112751	membrane-spanning 4-domains, subfamily A, member 17A.1 [Source:ZFIN;Acc:ZDB-GENE-050417-307]	ms4a17a.1
ENSDARG00000095695	ENSDARP00000128521	membrane-spanning 4-domains, subfamily A, member 17A.10 [Source:ZFIN;Acc:ZDB-GENE-080829-3]	ms4a17a.10
ENSDARG00000094809	ENSDARP00000120959	membrane-spanning 4-domains, subfamily A, member 17A.14 [Source:ZFIN;Acc:ZDB-GENE-070705-363]	ms4a17a.14
ENSDARG00000093546	ENSDARP00000007146	membrane-spanning 4-domains, subfamily A, member 17A.2 [Source:ZFIN;Acc:ZDB-GENE-070705-367]	ms4a17a.2
ENSDARG00000091970	ENSDARP00000128604	membrane-spanning 4-domains, subfamily A, member 17A.3 [Source:ZFIN;Acc:ZDB-GENE-080829-1]	ms4a17a.3
ENSDARG00000014024	ENSDARP00000076558	membrane-spanning 4-domains, subfamily A, member 17A.4 [Source:ZFIN;Acc:ZDB-GENE-070822-16]	ms4a17a.4
ENSDARG00000092204	ENSDARP00000115019	membrane-spanning 4-domains, subfamily A, member 17A.5 [Source:ZFIN;Acc:ZDB-GENE-040912-55]	ms4a17a.5
ENSDARG00000007018	ENSDARP00000070084	membrane-spanning 4-domains, subfamily A, member 17A.6 [Source:ZFIN;Acc:ZDB-GENE-070209-265]	ms4a17a.6
ENSDARG00000043796	ENSDARP00000064311	membrane-spanning 4-domains, subfamily A, member 17A.7 [Source:ZFIN;Acc:ZDB-GENE-080829-2]	ms4a17a.7
ENSDARG00000094854	ENSDARP00000116235	membrane-spanning 4-domains, subfamily A, member 17A.8 [Source:ZFIN;Acc:ZDB-GENE-070705-365]	ms4a17a.8
ENSDARG00000094643	ENSDARP00000122630	membrane-spanning 4-domains, subfamily A, member 17C.1 [Source:ZFIN;Acc:ZDB-GENE-080829-9]	ms4a17c.1
ENSDARG00000028659	ENSDARP00000113139	membrane-spanning 4-domains, subfamily A, member 17C.2 [Source:ZFIN;Acc:ZDB-GENE-080829-10]	ms4a17c.2
ENSDARG00000074930	ENSDARP00000117235	microseminoprotein, prostate associated [Source:HGNC Symbol;Acc:HGNC:29663]	MSMP
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvd
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000058212	ENSDARP00000075481	neddin-like 2 [Source:ZFIN;Acc:ZDB-GENE-031107-3]	ndnl2
ENSDARG00000076569	ENSDARP00000098053	Norrie disease (pseudoglioma) [Source:ZFIN;Acc:ZDB-GENE-060216-2]	ndp
ENSDARG00000041400	ENSDARP00000119521	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa [Source:HGNC Symbol;Acc:HGNC:7686]	NDUFA3
ENSDARG00000043467	ENSDARP00000063816	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11 [Source:ZFIN;Acc:ZDB-GENE-050309-25]	ndufb11
ENSDARG00000087803	ENSDARP00000110392	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa [Source:HGNC Symbol;Acc:HGNC:7706]	NDUFC2
ENSDARG00000090389	ENSDARP00000092990	NADH dehydrogenase (ubiquinone) flavoprotein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6500]	ndufv3
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b [Source:ZFIN;Acc:ZDB-GENE-041001-4]	nitr10b
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkdl3l
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000068144	ENSDARP00000089132	neuromedin Ba [Source:ZFIN;Acc:ZDB-GENE-050419-3]	nmba
ENSDARG00000077167	ENSDARP00000097995	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmbb
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000043299	ENSDARP00000063567	neuromedin U [Source:ZFIN;Acc:ZDB-GENE-041001-111]	nmu
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a

ENSDARG00000045016	ENSDARP00000066178	neuropeptide FF-amide peptide precursor like [Source:ZFIN;Acc:ZDB-GENE-030806-1]	npff
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000041576	ENSDARP00000060954	nudix (nucleoside diphosphate linked moiety X)-type motif 18 [Source:ZFIN;Acc:ZDB-GENE-050417-388]	nudt18
ENSDARG00000014499	ENSDARP00000017328	nuclear transport factor 2, like [Source:ZFIN;Acc:ZDB-GENE-020416-1]	nutf21
ENSDARG0000001721	ENSDARP00000089075	otoconin 90 [Source:ZFIN;Acc:ZDB-GENE-070912-300]	oc90
ENSDARG00000035095	ENSDARP00000042440	one-eyed pinhead [Source:ZFIN;Acc:ZDB-GENE-990415-198]	oep
ENSDARG00000074416	ENSDARP00000104371	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSDARG00000090503	ENSDARP00000119103	OMA1 zinc metalloproteinase [Source:HGNC Symbol;Acc:HGNC:29661]	OMA1
ENSDARG00000059315	ENSDARP00000076841	olfactory receptor class A related 3 [Source:ZFIN;Acc:ZDB-GENE-100721-3]	ora3
ENSDARG00000078257	ENSDARP00000101277	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000008805	ENSDARP00000097916	origin recognition complex, subunit 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6247]	orc3
ENSDARG00000075682	ENSDARP00000101426	origin recognition complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2976]	orc6
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000054055	ENSDARP00000070674	osteocrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000077810	ENSDARP00000124004	OTU domain containing 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5338]	otud4
ENSDARG00000076716	ENSDARP00000107630	partner and localizer of BRCA2 [Source:ZFIN;Acc:ZDB-GENE-090313-43]	palb2
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000016704	ENSDARP00000115236	phenazine biosynthesis-like protein domain containing [Source:HGNC Symbol;Acc:HGNC:23301]	PBLD
ENSDARG00000035130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSDARG00000074185	ENSDARP00000104114	proprotein convertase subtilisin/kexin type 9 [Source:ZFIN;Acc:ZDB-GENE-060927-1]	pcsk9
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000003750	ENSDARP00000128752	phosphoribosylformylglycinamide synthase [Source:ZFIN;Acc:ZDB-GENE-030131-4420]	pfas
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000097071	ENSDARP00000128738	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PIFO
ENSDARG00000009113	ENSDARP0000007438	phosphatidylinositol glycan, class C [Source:ZFIN;Acc:ZDB-GENE-030131-2714]	pigc
ENSDARG00000067752	ENSDARP00000088351	phosphatidylinositol glycan anchor biosynthesis, class L [Source:ZFIN;Acc:ZDB-GENE-050506-60]	pigl
ENSDARG00000038805	ENSDARP00000056671	phosphatidylinositol glycan, class P [Source:ZFIN;Acc:ZDB-GENE-030131-4041]	pigp
ENSDARG00000075530	ENSDARP00000100232	phosphatidylinositol glycan anchor biosynthesis, class U [Source:ZFIN;Acc:ZDB-GENE-100629-1]	pigu
ENSDARG00000063559	ENSDARP00000087423	phosphatidylinositol glycan anchor biosynthesis, class X [Source:ZFIN;Acc:ZDB-GENE-070705-212]	pigx
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000092513	ENSDARP00000113826	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG00000091349	ENSDARP00000110527	pleckstrin homology domain containing, family D (with coiled-coil domains) member 1 [Source:ZFIN;Acc:ZDB-GENE-130926-1]	plekhd1
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000090526	ENSDARP00000093251	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:HGNC:26285]	PLEKHS1
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000087389	ENSDARP00000105222	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000079632	ENSDARP00000119350	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG00000074933	ENSDARP00000099588	polymerase (DNA-directed), gamma 2, accessory subunit [Source:ZFIN;Acc:ZDB-GENE-060810-116]	polg2
ENSDARG00000075616	ENSDARP00000099037	polymerase (RNA II (DNA directed)) polypeptide K [Source:ZFIN;Acc:ZDB-GENE-070820-18]	polr2k
ENSDARG00000058349	ENSDARP00000075655	polymerase (RNA II (DNA directed)) polypeptide L [Source:ZFIN;Acc:ZDB-GENE-050522-181]	polr2l
ENSDARG00000069135	ENSDARP00000091169	protein phosphatase 1, regulatory subunit 15A [Source:ZFIN;Acc:ZDB-GENE-030131-4408]	ppp1r15a
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000068636	ENSDARP00000090124	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000089183	ENSDARP00000128565	protein phosphatase 1, regulatory subunit 32 [Source:ZFIN;Acc:ZDB-GENE-120913-1]	ppp1r32
ENSDARG00000068916	ENSDARP00000059871	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000077377	ENSDARP00000108941	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSDARG00000071735	ENSDARP00000097066	prolactin releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-091204-205]	prlh2
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000086705	ENSDARP00000111395	proline-rich basic protein 1 [Source:HGNC Symbol;Acc:HGNC:41906]	PROB1
ENSDARG00000087393	ENSDARP00000076880	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prr11
ENSDARG00000093768	ENSDARP00000118798	proline rich 18 [Source:ZFIN;Acc:ZDB-GENE-081107-6]	prr18
ENSDARG00000097224	ENSDARP00000127713	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSDARG00000077087	ENSDARP00000102237	proline-rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]	PRRT3
ENSDARG00000088343	ENSDARP00000108434	proline-rich transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37280]	PRRT4
ENSDARG00000021113	ENSDARP00000090993	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000075421	ENSDARP00000069655	pituitary tumor-transforming 1 [Source:ZFIN;Acc:ZDB-GENE-081104-345]	pttg1
ENSDARG00000077251	ENSDARP00000100727	retinoic acid induced 2 [Source:HGNC Symbol;Acc:HGNC:9835]	RAI2
ENSDARG00000040713	ENSDARP00000095196	retinoblastoma binding protein 9 [Source:ZFIN;Acc:ZDB-GENE-050208-692]	rbbp9
ENSDARG00000073705	ENSDARP00000114038	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rbfa
ENSDARG00000069781	ENSDARP00000092601	REC114 meiotic recombination protein [Source:HGNC Symbol;Acc:HGNC:25065]	REC114
ENSDARG00000071876	ENSDARP00000063558	REL2-like 2 [Source:HGNC Symbol;Acc:HGNC:26902]	RELL2
ENSDARG00000092463	ENSDARP00000113874	rhomoid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhbdd2
ENSDARG00000086887	ENSDARP00000111167	regulatory subunit of type II PKA R-subunit (RIIa) domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26686]	RIIAD1
ENSDARG00000093752	ENSDARP00000118076	RIMS binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-040724-96]	rimbp2
ENSDARG00000016830	ENSDARP00000007712	ribosomal modification protein rimK-like family member A [Source:ZFIN;Acc:ZDB-GENE-040912-20]	rimk1a
ENSDARG00000054103	ENSDARP00000070724	rippy1 [Source:ZFIN;Acc:ZDB-GENE-060113-1]	rippy1
ENSDARG00000070535	ENSDARP00000094407	rippy2 [Source:ZFIN;Acc:ZDB-GENE-060113-2]	rippy2
ENSDARG00000036974	ENSDARP00000053701	rippy3 [Source:ZFIN;Acc:ZDB-GENE-060113-3]	rippy3
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtgr

ENSDARG00000089637	ENSDARP00000123155	ribonuclease H2, subunit C [Source:HGNC Symbol;Acc:HGNC:24116]	RNASEH2C
ENSDARG00000043196	ENSDARP00000063415	ribonuclease like 2 [Source:ZFIN;Acc:ZDB-GENE-050208-420]	rnasel2
ENSDARG00000036171	ENSDARP00000041328	ribonuclease like 3 [Source:ZFIN;Acc:ZDB-GENE-050809-5]	rnasel3
ENSDARG00000076983	ENSDARP00000100693	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnasel4
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000093723	ENSDARP00000122098	ring finger protein 212B [Source:HGNC Symbol;Acc:HGNC:20438]	RNF212B
ENSDARG00000092018	ENSDARP00000119884	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSDARG00000042905	ENSDARP00000062982	ribosomal protein L10a [Source:ZFIN;Acc:ZDB-GENE-030131-2025]	rpl10a
ENSDARG00000091124	ENSDARP00000111428	ribosomal protein S19 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-110316-2]	rps19bp1
ENSDARG00000025850	ENSDARP00000031181	ribosomal protein S21 [Source:ZFIN;Acc:ZDB-GENE-040426-1102]	rps21
ENSDARG00000097485	ENSDARP00000127983	rtnk2a	rtnk2a
ENSDARG00000059238	ENSDARP00000021982	reticulin 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000070427	ENSDARP00000094117	S100 calcium binding protein V1 [Source:ZFIN;Acc:ZDB-GENE-080407-1]	s100v1
ENSDARG00000070702	ENSDARP00000094858	S100 calcium binding protein V2 [Source:ZFIN;Acc:ZDB-GENE-030131-8909]	s100v2
ENSDARG00000045999	ENSDARP00000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	sa
ENSDARG00000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000059906	ENSDARP00000078265	syndecan 4 [Source:ZFIN;Acc:ZDB-GENE-061111-1]	sdca
ENSDARG00000092478	ENSDARP00000113870	succinate dehydrogenase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-050809-56]	sdhaf1
ENSDARG00000055712	ENSDARP00000072578	succinate dehydrogenase complex, subunit D, integral membrane protein a [Source:ZFIN;Acc:ZDB-GENE-040718-192]	sdhda
ENSDARG00000030139	ENSDARP00000039864	succinate dehydrogenase complex, subunit D, integral membrane protein b [Source:ZFIN;Acc:ZDB-GENE-040822-17]	sdhdb
ENSDARG00000018637	ENSDARP00000122360	Sec61 gamma subunit [Source:ZFIN;Acc:ZDB-GENE-040718-203]	sec61g
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000038228	ENSDARP00000055744	selenoprotein W, 2a [Source:ZFIN;Acc:ZDB-GENE-030428-1]	sepw2a
ENSDARG00000089936	ENSDARP00000107655	selenoprotein W, 2b [Source:ZFIN;Acc:ZDB-GENE-030428-2]	sepw2b
ENSDARG00000074340	ENSDARP00000109735	small EDRK-rich factor 2 [Source:ZFIN;Acc:ZDB-GENE-041108-1]	serf2
ENSDARG00000089795	ENSDARP00000111763	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	SERTAD4
ENSDARG00000021974	ENSDARP00000037070	SWI5-dependent recombination repair 1 [Source:ZFIN;Acc:ZDB-GENE-070410-27]	sfr1
ENSDARG00000070284	ENSDARP00000093784	SFT2 domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070907-1]	sft2d3
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143i10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143i10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000097871	ENSDARP00000128942	si:ch1073-145m9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-570]	si:ch1073-145m9.1
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000060953	ENSDARP00000095476	si:ch1073-214b20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-231]	si:ch1073-214b20.2
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270l17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270l17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000092671	ENSDARP00000126819	si:ch1073-345a8.1 [Source:ZFIN;Acc:ZDB-GENE-091204-447]	si:ch1073-345a8.1
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000097309	ENSDARP00000128603	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-416d2.4
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000097069	ENSDARP00000127597	si:ch1073-456g16.1 [Source:ZFIN;Acc:ZDB-GENE-131127-434]	si:ch1073-456g16.1
ENSDARG00000067825	ENSDARP00000088466	si:ch1073-459b3.2 [Source:ZFIN;Acc:ZDB-GENE-120215-128]	si:ch1073-459b3.2
ENSDARG00000097987	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000093821	ENSDARP00000112784	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000087835	ENSDARP00000116673	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3

ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122114.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122114.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122114.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122114.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122114.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122114.6
ENSDARG00000095049	ENSDARP00000122846	si:ch211-122124.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122124.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122124.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122124.3
ENSDARG00000087004	ENSDARP00000109898	si:ch211-122124.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122124.4
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122124.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122124.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000094737	ENSDARP00000114770	si:ch211-12e13.12 [Source:ZFIN;Acc:ZDB-GENE-070424-121]	si:ch211-12e13.12
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000089477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000070652	ENSDARP00000077673	si:ch211-134a4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-523]	si:ch211-134a4.1
ENSDARG00000080706	ENSDARP00000106633	si:ch211-134a4.2 [Source:ZFIN;Acc:ZDB-GENE-131127-450]	si:ch211-134a4.2
ENSDARG00000087608	ENSDARP00000111037	si:ch211-134a4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-479]	si:ch211-134a4.3
ENSDARG00000086843	ENSDARP00000106340	si:ch211-134a4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-265]	si:ch211-134a4.4
ENSDARG00000068861	ENSDARP00000090515	si:ch211-134a4.5 [Source:ZFIN;Acc:ZDB-GENE-131127-630]	si:ch211-134a4.5
ENSDARG00000097484	ENSDARP00000127781	si:ch211-134a4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-380]	si:ch211-134a4.6
ENSDARG00000090905	ENSDARP00000104681	si:ch211-134a4.8 [Source:ZFIN;Acc:ZDB-GENE-131121-290]	si:ch211-134a4.8
ENSDARG00000095953	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-40]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000088493	ENSDARP00000112081	si:ch211-149k12.3 [Source:ZFIN;Acc:ZDB-GENE-131127-504]	si:ch211-149k12.3
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000076850	ENSDARP00000099984	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000093015	ENSDARP00000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4

ENSDARG00000086802	ENSDARP00000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000097617	ENSDARP00000129813	si:ch211-178n15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-24]	si:ch211-178n15.1
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000090807	ENSDARP00000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000094059	ENSDARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG00000096466	ENSDARP00000126519	si:ch211-194m7.5 [Source:ZFIN;Acc:ZDB-GENE-120709-88]	si:ch211-194m7.5
ENSDARG00000070204	ENSDARP00000064992	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000076609	ENSDARP00000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000096060	ENSDARP00000125562	si:ch211-202c4.2 [Source:ZFIN;Acc:ZDB-GENE-100922-179]	si:ch211-202c4.2
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000098971	ENSDARP00000109933	si:ch211-203c7.2 [Source:ZFIN;Acc:ZDB-GENE-111221-2]	si:ch211-203c7.2
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-49]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000093111	ENSDARP00000127975	si:ch211-209l18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-682]	si:ch211-209l18.2
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000069595	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000039423	ENSDARP00000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSDARG00000079345	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095344	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000071578	ENSDARP00000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000094038	ENSDARP00000118164	si:ch211-226f6.1 [Source:ZFIN;Acc:ZDB-GENE-070912-217]	si:ch211-226f6.1
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG00000097985	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-050208-448]	si:ch211-236g6.1
ENSDARG00000095051	ENSDARP00000119801	si:ch211-236l14.1 [Source:ZFIN;Acc:ZDB-GENE-081104-492]	si:ch211-236l14.1
ENSDARG00000095615	ENSDARP00000073953	si:ch211-237l4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237l4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000095402	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6

ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP00000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000092240	ENSDARP00000115403	si:ch211-243a20.3 [Source:ZFIN;Acc:ZDB-GENE-061207-28]	si:ch211-243a20.3
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000088251	ENSDARP00000109456	si:ch211-240i0.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-240i0.6
ENSDARG00000092199	ENSDARP00000121478	si:ch211-250c4.4 [Source:ZFIN;Acc:ZDB-GENE-081107-32]	si:ch211-250c4.4
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000088736	ENSDARP00000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-2]	si:ch211-250n8.1
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071772	ENSDARP00000097165	si:ch211-253p2.2 [Source:ZFIN;Acc:ZDB-GENE-041111-272]	si:ch211-253p2.2
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000097032	ENSDARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-40]	si:ch211-260d11.1
ENSDARG00000091695	ENSDARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-091204-531]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000057903	ENSDARP00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000096398	ENSDARP00000125977	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000091997	ENSDARP00000119847	si:ch211-284e13.11 [Source:ZFIN;Acc:ZDB-GENE-060526-157]	si:ch211-284e13.11
ENSDARG00000094492	ENSDARP00000115320	si:ch211-284e13.12 [Source:ZFIN;Acc:ZDB-GENE-060526-158]	si:ch211-284e13.12
ENSDARG00000097952	ENSDARP00000128286	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSDARG00000093214	ENSDARP00000115113	si:ch211-284e13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-164]	si:ch211-284e13.9
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000075881	ENSDARP00000104099	si:ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	si:ch211-39k3.2
ENSDARG00000097855	ENSDARP00000128446	si:ch211-3o3.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12]	si:ch211-3o3.9
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2 [Source:ZFIN;Acc:ZDB-GENE-100922-24]	si:ch211-53m15.2
ENSDARG00000013022	ENSDARP00000076012	si:ch211-59h6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-418]	si:ch211-59h6.1
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000095580	ENSDARP00000119232	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000096242	ENSDARP00000126136	si:ch211-76j23.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8310]	si:ch211-76j23.4
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000074098	ENSDARP00000100670	si:ch211-86h15.1 [Source:ZFIN;Acc:ZDB-GENE-081107-38]	si:ch211-86h15.1
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000093237	ENSDARP00000122761	si:ch211-89o9.4 [Source:ZFIN;Acc:ZDB-GENE-090313-134]	si:ch211-89o9.4
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8

ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000051954	ENSDARP00000068164	si:ch73-106k19.2 [Source:ZFIN;Acc:ZDB-GENE-131121-349]	si:ch73-106k19.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000094281	ENSDARP00000120402	si:ch73-196i15.3 [Source:ZFIN;Acc:ZDB-GENE-091116-4]	si:ch73-196i15.3
ENSDARG00000094914	ENSDARP00000113125	si:ch73-196i15.5 [Source:ZFIN;Acc:ZDB-GENE-091118-32]	si:ch73-196i15.5
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000087107	ENSDARP00000116551	si:ch73-222h13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-144]	si:ch73-222h13.1
ENSDARG00000058782	ENSDARP00000128803	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3
ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5 [Source:ZFIN;Acc:ZDB-GENE-070705-225]	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231]	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097398	ENSDARP00000129312	si:ch73-288o11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-207]	si:ch73-288o11.4
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-309l9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-309l9.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000093368	ENSDARP00000116528	si:ch73-348k23.1 [Source:ZFIN;Acc:ZDB-GENE-060601-1]	si:ch73-348k23.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000095806	ENSDARP00000123692	si:ch73-362i18.1 [Source:ZFIN;Acc:ZDB-GENE-110411-182]	si:ch73-362i18.1
ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000097523	ENSDARP00000129687	si:ch73-56d11.3 [Source:ZFIN;Acc:ZDB-GENE-131126-22]	si:ch73-56d11.3
ENSDARG00000053563	ENSDARP00000070081	si:ch73-56d11.4 [Source:ZFIN;Acc:ZDB-GENE-131125-46]	si:ch73-56d11.4
ENSDARG00000093967	ENSDARP00000058026	si:ch73-56p18.4 [Source:ZFIN;Acc:ZDB-GENE-121127-1]	si:ch73-56p18.4
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000058537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3

ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3 [Source:ZFIN;Acc:ZDB-GENE-091204-230]	si:dkey-102g19.3
ENSDARG00000075996	ENSDARP00000099886	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000096776	ENSDARP00000127194	si:dkey-113d16.9 [Source:ZFIN;Acc:ZDB-GENE-130603-86]	si:dkey-113d16.9
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114l24.2
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000076224	ENSDARP00000100024	si:dkey-11f4.16 [Source:ZFIN;Acc:ZDB-GENE-070912-357]	si:dkey-11f4.16
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-271]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000096722	ENSDARP00000127408	si:dkey-16i5.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1207]	si:dkey-16i5.8
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000092593	ENSDARP00000116632	si:dkey-174k12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-174k12.3
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000095940	ENSDARP00000123841	si:dkey-19a16.12 [Source:ZFIN;Acc:ZDB-GENE-110408-26]	si:dkey-19a16.12

ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13 [Source:ZFIN;Acc:ZDB-GENE-110411-2]	si:dkey-19a16.13
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-163]	si:dkey-205h23.1
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7 [Source:ZFIN;Acc:ZDB-GENE-090313-232]	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093303	ENSDARP00000121961	si:dkey-226m8.7 [Source:ZFIN;Acc:ZDB-GENE-060526-259]	si:dkey-226m8.7
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22l1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22l1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000095937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093512	ENSDARP00000116085	si:dkey-238j22.1 [Source:ZFIN;Acc:ZDB-GENE-070705-398]	si:dkey-238j22.1
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000094824	ENSDARP00000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-237]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000093957	ENSDARP00000122083	si:dkey-251i10.2 [Source:ZFIN;Acc:ZDB-GENE-050506-100]	si:dkey-251i10.2
ENSDARG00000095643	ENSDARP00000096720	si:dkey-253d23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-332]	si:dkey-253d23.3
ENSDARG00000097962	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4

ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000032993	ENSDARP00000041769	si:dkey-25o1.9 [Source:ZFIN;Acc:ZDB-GENE-130603-64]	si:dkey-25o1.9
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000094345	ENSDARP00000114878	si:dkey-261l7.2 [Source:ZFIN;Acc:ZDB-GENE-090313-288]	si:dkey-261l7.2
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-184]	si:dkey-264f17.3
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-450]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000090872	ENSDARP00000106312	si:dkey-276j7.1 [Source:ZFIN;Acc:ZDB-GENE-060720-44]	si:dkey-276j7.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27l15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27l15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000092458	ENSDARP00000117544	si:dkey-282h22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-220]	si:dkey-282h22.5
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000096924	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000096940	ENSDARP00000092070	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000094587	ENSDARP00000112901	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000054669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000095073	ENSDARP00000117177	si:dkey-4c23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-749]	si:dkey-4c23.4
ENSDARG00000071279	ENSDARP00000096067	si:dkey-4c23.5 [Source:ZFIN;Acc:ZDB-GENE-050208-349]	si:dkey-4c23.5
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52l18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52l18.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000070845	ENSDARP00000095136	si:dkey-56d12.4 [Source:ZFIN;Acc:ZDB-GENE-060531-147]	si:dkey-56d12.4
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000091832	ENSDARP00000109844	si:dkey-58f6.2 [Source:ZFIN;Acc:ZDB-GENE-131127-585]	si:dkey-58f6.2

ENSDARG00000096515 ENSDARPO0000126836 si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196] si:dkey-58j15.10
ENSDARG00000096506 ENSDARPO0000126691 si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27] si:dkey-58j15.11
ENSDARG00000092304 ENSDARPO0000118255 si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643] si:dkey-59i11.7
ENSDARG00000094869 ENSDARPO0000117002 si:dkey-5n7.2 [Source:ZFIN;Acc:ZDB-GENE-050420-254] si:dkey-5n7.2
ENSDARG00000068865 ENSDARPO0000090517 si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241] si:dkey-61p9.7
ENSDARG00000075480 ENSDARPO0000123308 si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18] si:dkey-63d15.12
ENSDARG00000095565 ENSDARPO0000117103 si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216] si:dkey-65b13.1
ENSDARG00000093234 ENSDARPO0000116561 si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12] si:dkey-65i23.2
ENSDARG00000092845 ENSDARPO0000117574 si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321] si:dkey-66g10.2
ENSDARG00000096714 ENSDARPO0000127368 si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106] si:dkey-66i24.7
ENSDARG00000092926 ENSDARPO0000120062 si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927] si:dkey-66k12.3
ENSDARG00000097360 ENSDARPO0000128714 si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65] si:dkey-66l17.4
ENSDARG00000093426 ENSDARPO0000121229 si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48] si:dkey-69c1.1
ENSDARG00000070057 ENSDARPO0000114964 si:dkey-69o16.5 [Source:ZFIN;Acc:ZDB-GENE-081104-432] si:dkey-69o16.5
ENSDARG00000094001 ENSDARPO0000115231 si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128] si:dkey-6a5.3
ENSDARG00000097496 ENSDARPO0000127566 si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72] si:dkey-6e2.2
ENSDARG00000093660 ENSDARPO0000117679 si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339] si:dkey-6f10.3
ENSDARG00000092390 ENSDARPO0000120910 si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340] si:dkey-6f10.4
ENSDARG00000080675 ENSDARPO0000104824 si:dkey-71b5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-124] si:dkey-71b5.7
ENSDARG00000097846 ENSDARPO0000129144 si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415] si:dkey-74h17.3
ENSDARG00000093188 ENSDARPO0000117321 si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823] si:dkey-75a21.2
ENSDARG00000093458 ENSDARPO0000115334 si:dkey-76d14.2 [Source:ZFIN;Acc:ZDB-GENE-070912-580] si:dkey-76d14.2
ENSDARG00000075561 ENSDARPO0000099451 si:dkey-76k16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-330] si:dkey-76k16.5
ENSDARG00000077481 ENSDARPO0000115016 si:dkey-76k16.6 [Source:ZFIN;Acc:ZDB-GENE-090312-171] si:dkey-76k16.6
ENSDARG00000087331 ENSDARPO0000108716 si:dkey-77f5.3 [Source:ZFIN;Acc:ZDB-GENE-030131-5102] si:dkey-77f5.3
ENSDARG00000094399 ENSDARPO0000117342 si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740] si:dkey-78k11.4
ENSDARG00000096906 ENSDARPO0000125396 si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149] si:dkey-78k22.2
ENSDARG00000096482 ENSDARPO0000126413 si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79] si:dkey-78o7.3
ENSDARG00000089123 ENSDARPO0000107117 si:dkey-79d12.2 [Source:ZFIN;Acc:ZDB-GENE-131121-604] si:dkey-79d12.2
ENSDARG00000097225 ENSDARPO0000128668 si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253] si:dkey-79d12.6
ENSDARG00000041433 ENSDARPO0000060743 si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63] si:dkey-7c18.24
ENSDARG00000097172 ENSDARPO0000128156 si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39] si:dkey-7i4.12
ENSDARG00000097551 ENSDARPO0000128206 si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129] si:dkey-7i4.15
ENSDARG00000097125 ENSDARPO0000128922 si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434] si:dkey-7i4.23
ENSDARG00000096906 ENSDARPO0000127909 si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157] si:dkey-7i4.24
ENSDARG00000090552 ENSDARPO0000106870 si:dkey-7j14.6 [Source:ZFIN;Acc:ZDB-GENE-030131-8466] si:dkey-7j14.6
ENSDARG00000094602 ENSDARPO0000113129 si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262] si:dkey-7n6.2
ENSDARG00000093579 ENSDARPO0000117997 si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72] si:dkey-80c24.4
ENSDARG00000097406 ENSDARPO0000129440 si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24] si:dkey-81e3.2
ENSDARG00000097303 ENSDARPO0000128853 si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274] si:dkey-83h2.4
ENSDARG00000096188 ENSDARPO0000125510 si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228] si:dkey-84h14.3
ENSDARG00000095047 ENSDARPO0000121197 si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242] si:dkey-85k15.4
ENSDARG00000094385 ENSDARPO0000112862 si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216] si:dkey-85k15.6
ENSDARG00000094759 ENSDARPO0000123537 si:dkey-85k15.7 [Source:ZFIN;Acc:ZDB-GENE-100921-85] si:dkey-85k15.7
ENSDARG00000043536 ENSDARPO0000063916 si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18] si:dkey-86e18.1
ENSDARG00000094850 ENSDARPO0000115581 si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332] si:dkey-88i16.5
ENSDARG00000093382 ENSDARPO0000121818 si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451] si:dkey-88p24.9
ENSDARG00000094594 ENSDARPO0000122530 si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112] si:dkey-8k3.1
ENSDARG00000093612 ENSDARPO0000114776 si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759] si:dkey-92i17.2
ENSDARG00000093173 ENSDARPO0000128220 si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133] si:dkey-93m18.6
ENSDARG00000088513 ENSDARPO0000105040 si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300] si:dkey-95o3.4
ENSDARG00000092452 ENSDARPO0000123154 si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443] si:dkey-95p16.1
ENSDARG00000097725 ENSDARPO0000129411 si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563] si:dkey-96g2.1
ENSDARG00000095649 ENSDARPO0000117720 si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614] si:dkey-97a13.12
ENSDARG00000094005 ENSDARPO0000121263 si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358] si:dkey-98j1.5
ENSDARG00000093954 ENSDARPO0000121370 si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362] si:dkey-9i23.16
ENSDARG00000094678 ENSDARPO0000112567 si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365] si:dkey-9i23.6
ENSDARG00000095407 ENSDARPO0000117530 si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367] si:dkey-9i23.8
ENSDARG00000095978 ENSDARPO0000125207 si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61] si:dkey-9i5.2
ENSDARG00000094615 ENSDARPO0000114404 si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515] si:dkey-9p20.18
ENSDARG00000092141 ENSDARPO0000117956 si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448] si:dkeyp-100a1.6
ENSDARG00000096109 ENSDARPO0000125442 si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172] si:dkeyp-100h4.2
ENSDARG00000096715 ENSDARPO0000127317 si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41] si:dkeyp-104f11.9
ENSDARG00000095549 ENSDARPO0000114208 si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527] si:dkeyp-106c3.2
ENSDARG00000096443 ENSDARPO0000126532 si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34] si:dkeyp-107f9.1
ENSDARG00000096442 ENSDARPO0000126454 si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91] si:dkeyp-107f9.4
ENSDARG00000092482 ENSDARPO0000116353 si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452] si:dkeyp-110g5.4
ENSDARG00000069401 ENSDARPO0000091739 si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466] si:dkeyp-114g9.1
ENSDARG00000095437 ENSDARPO0000118987 si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455] si:dkeyp-117b11.3
ENSDARG00000043004 ENSDARPO0000063136 si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4] si:dkeyp-117h8.4
ENSDARG00000079036 ENSDARPO0000114874 si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2] si:dkeyp-11g8.3
ENSDARG00000091954 ENSDARPO0000116515 si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651] si:dkeyp-122a9.1
ENSDARG00000093116 ENSDARPO0000119741 si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745] si:dkeyp-122a9.2
ENSDARG00000092383 ENSDARPO0000122918 si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635] si:dkeyp-12a9.5
ENSDARG00000076343 ENSDARPO0000118306 si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377] si:dkeyp-13d11.1
ENSDARG00000077519 ENSDARPO0000114312 si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21] si:dkeyp-13d11.2
ENSDARG00000096290 ENSDARPO0000126070 si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208] si:dkeyp-15g8.5
ENSDARG00000094163 ENSDARPO0000122999 si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63] si:dkeyp-19e1.4
ENSDARG00000092702 ENSDARPO0000113451 si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356] si:dkeyp-20e4.8

ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000094387	ENSDARP00000122446	si:dkeyp-30e7.2 [Source:ZFIN;Acc:ZDB-GENE-081104-498]	si:dkeyp-30e7.2
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000093985	ENSDARP00000113722	si:dkeyp-72a4.1 [Source:ZFIN;Acc:ZDB-GENE-070705-551]	si:dkeyp-72a4.1
ENSDARG00000091838	ENSDARP00000108953	si:dkeyp-72e1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-228]	si:dkeyp-72e1.6
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000073704	ENSDARP00000127539	si:dkeyp-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkeyp-72g9.4
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-118]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000094192	ENSDARP00000114927	si:dkeyp-82a1.2 [Source:ZFIN;Acc:ZDB-GENE-081104-475]	si:dkeyp-82a1.2
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000096103	ENSDARP00000091068	si:dkeyp-82a1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-477]	si:dkeyp-82a1.4
ENSDARG00000094336	ENSDARP00000115839	si:dkeyp-82a1.6 [Source:ZFIN;Acc:ZDB-GENE-081105-150]	si:dkeyp-82a1.6
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096463	ENSDARP00000126476	si:dkeyp-82h4.1 [Source:ZFIN;Acc:ZDB-GENE-120709-49]	si:dkeyp-82h4.1
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000086255	ENSDARP00000106536	si:rp71-1c10.10 [Source:ZFIN;Acc:ZDB-GENE-130603-55]	si:rp71-1c10.10
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80e10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80e10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000017163	ENSDARP00000019122	si:ia2-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000086639	ENSDARP00000109915	SIVA1, apoptosis-inducing factor [Source:ZFIN;Acc:ZDB-GENE-050506-57]	siva1
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000092927	ENSDARP00000119409	SLX4 structure-specific endonuclease subunit [Source:HGNC Symbol;Acc:HGNC:23845]	SLX4
ENSDARG00000093069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG00000057999	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000089921	ENSDARP00000105599	small integral membrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37257]	SMIM4
ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snn
ENSDARG00000063250	ENSDARP00000086690	spermatogenesis associated 2 [Source:ZFIN;Acc:ZDB-GENE-070822-5]	spata2
ENSDARG00000044874	ENSDARP00000014739	spermatogenesis associated 6-like [Source:ZFIN;Acc:ZDB-GENE-040426-1369]	spata6l
ENSDARG00000091609	ENSDARP00000106946	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:HGNC:16646]	SPINK4
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000071203	ENSDARP00000095888	serine palmitoyltransferase, small subunit A [Source:ZFIN;Acc:ZDB-GENE-050320-26]	sptssa

ENSDARG00000091658	ENSDARP00000127984	serine palmitoyltransferase, small subunit B [Source:ZFIN;Acc:ZDB-GENE-060421-6887]	spts5b
ENSDARG00000056859	ENSDARP00000073885	sexpin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	SPX
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	srgn
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000086641	ENSDARP00000112004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000059171	ENSDARP00000076652	sperm-tail PG-rich repeat containing 1 [Source:ZFIN;Acc:ZDB-GENE-070705-373]	stpg1
ENSDARG00000061060	ENSDARP00000081101	sperm-tail PG-rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:28712]	STPG2
ENSDARG00000088277	ENSDARP00000109477	sushi domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-120215-196]	susd5
ENSDARG00000088405	ENSDARP00000112193	supervillin b [Source:ZFIN;Acc:ZDB-GENE-081104-411]	svilb
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000078492	ENSDARP00000100791	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000058375	ENSDARP00000075687	synaptonemal complex central element protein 2 [Source:ZFIN;Acc:ZDB-GENE-050512-1]	sync2
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000090469	ENSDARP00000099011	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN
ENSDARG00000088950	ENSDARP00000114083	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG00000079190	ENSDARP00000099728	synaptonemal complex protein 2-like [Source:ZFIN;Acc:ZDB-GENE-130924-1]	sycp2l
ENSDARG00000013438	ENSDARP00000022576	synaptonemal complex protein 3 [Source:ZFIN;Acc:ZDB-GENE-040910-2]	sycp3
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngr2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000079880	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000067831	ENSDARP00000088485	thymus, brain and testes associated [Source:ZFIN;Acc:ZDB-GENE-121030-4]	tbat
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000088654	ENSDARP00000107764	testis expressed 15 [Source:ZFIN;Acc:ZDB-GENE-091204-395]	tex15
ENSDARG00000098689	ENSDARP00000107795	testis expressed 26 [Source:ZFIN;Acc:ZDB-GENE-120410-5]	tex26
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000053939	ENSDARP00000070540	transforming growth factor, alpha [Source:ZFIN;Acc:ZDB-GENE-040724-208]	tgfa
ENSDARG00000039583	ENSDARP00000057831	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000042714	ENSDARP00000062684	toll-like receptor adaptor molecule 1 [Source:ZFIN;Acc:ZDB-GENE-040219-2]	ticam1
ENSDARG00000036136	ENSDARP00000052473	timeless interacting protein [Source:ZFIN;Acc:ZDB-GENE-040801-189]	tipin
ENSDARG00000087687	ENSDARP00000105454	transmembrane protein 100 [Source:HGNC Symbol;Acc:HGNC:25607]	TMEM100
ENSDARG00000090230	ENSDARP00000110325	transmembrane protein 108 [Source:ZFIN;Acc:ZDB-GENE-091204-397]	tmem108
ENSDARG00000077155	ENSDARP00000100247	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25084]	TMEM116
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000030981	ENSDARP00000045532	transmembrane protein 127 [Source:ZFIN;Acc:ZDB-GENE-050522-97]	tmem127
ENSDARG00000077222	ENSDARP00000099025	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSDARG00000067681	ENSDARP00000088257	transmembrane protein 141 [Source:ZFIN;Acc:ZDB-GENE-060929-272]	tmem141
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000059400	ENSDARP00000076947	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000035388	ENSDARP00000051296	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-060819-2]	tmem174
ENSDARG00000074264	ENSDARP00000103823	transmembrane protein 186 [Source:HGNC Symbol;Acc:HGNC:24530]	TMEM186
ENSDARG00000051989	ENSDARP00000068202	transmembrane protein 187 [Source:ZFIN;Acc:ZDB-GENE-090313-366]	tmem187
ENSDARG00000027129	ENSDARP00000028280	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218
ENSDARG00000088981	ENSDARP00000112176	transmembrane protein 220 [Source:HGNC Symbol;Acc:HGNC:33757]	TMEM220
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000093684	ENSDARP00000118611	transmembrane protein 238 [Source:ZFIN;Acc:ZDB-GENE-060503-785]	tmem238
ENSDARG00000090685	ENSDARP00000129286	transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:31723]	TMEM241
ENSDARG00000037070	ENSDARP00000053879	transmembrane protein 242 [Source:ZFIN;Acc:ZDB-GENE-040724-146]	tmem242
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000042536	ENSDARP00000062374	transmembrane protein 81 [Source:HGNC Symbol;Acc:HGNC:32349]	TMEM81
ENSDARG00000069423	ENSDARP00000112089	transmembrane inner ear [Source:ZFIN;Acc:ZDB-GENE-061207-9]	tmie
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	tmpp
ENSDARG00000054911	ENSDARP00000071665	thymosin, beta [Source:ZFIN;Acc:ZDB-GENE-050307-5]	tnsb
ENSDARG00000077777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tnsb4x
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000086747	ENSDARP00000112313	toll interacting protein [Source:ZFIN;Acc:ZDB-GENE-030131-8820]	tlip
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomm5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000067717	ENSDARP00000088302	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060825-115]	tomm7
ENSDARG00000014941	ENSDARP00000056131	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkrb
ENSDARG00000097660	ENSDARP00000124686	trafficking protein particle complex 2 [Source:ZFIN;Acc:ZDB-GENE-060929-1266]	trappc2
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000076296	ENSDARP00000101057	triple QxxK/R motif containing [Source:ZFIN;Acc:ZDB-GENE-070705-75]	trioq
ENSDARG00000089225	ENSDARP00000105072	TROVE domain family, member 2 [Source:ZFIN;Acc:ZDB-GENE-051113-300]	trove2
ENSDARG00000069280	ENSDARP00000091469	tRNA splicing endonuclease 15 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041008-211]	tsen15
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000052535	ENSDARP00000068895	UBX domain protein 10 [Source:ZFIN;Acc:ZDB-GENE-060825-319]	ubxn10
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000043857	ENSDARP00000064392	ubiquitin-fold modifier 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2930]	ufm1

ENSDARG00000089679	ENSDARP00000108066	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	UIMC1
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000092872	ENSDARP00000113175	uroplakin 3b [Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000068176	ENSDARP00000089192	ubiquinol-cytochrome c reductase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-060929-1034]	uqc1
ENSDARG00000011272	ENSDARP00000005533	ubiquinol-cytochrome c reductase complex assembly factor 2 [Source:HGNC Symbol;Acc:HGNC:21237]	UQC2
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000096003	ENSDARP00000125277	up-regulated during skeletal muscle growth 5 homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:30889]	USMG5
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSDARG00000006916	ENSDARP0000016383	vimentin-type intermediate filament associated coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:33803]	VMAC
ENSDARG00000087039	ENSDARP00000059369	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A [Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000011801	ENSDARP00000105711	tryptophanyl tRNA synthetase 2, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-050306-26]	warsc
ENSDARG00000074590	ENSDARP00000103234	WD repeat containing planar cell polarity effector [Source:ZFIN;Acc:ZDB-GENE-100405-4]	wdpcp
ENSDARG00000088763	ENSDARP00000106411	WD repeat domain 52 [Source:HGNC Symbol;Acc:HGNC:25631]	WDR52
ENSDARG00000089187	ENSDARP00000105933	WAP four-disulfide core domain 2 [Source:ZFIN;Acc:ZDB-GENE-090313-47]	wfdc2
ENSDARG00000092352	ENSDARP00000115981	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000068432	ENSDARP00000089747	wu:fa92h10 [Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000076532	ENSDARP00000099737	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000097635	ENSDARP00000129245	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000088449	ENSDARP00000111969	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000086988	ENSDARP00000106784	wu:fb55g09 [Source:ZFIN;Acc:ZDB-GENE-030131-1009]	wu:fb55g09
ENSDARG00000088337	ENSDARP00000107967	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000077216	ENSDARP00000103606	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000075205	ENSDARP00000128678	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000073811	ENSDARP00000098865	wu:fi04h01 [Source:ZFIN;Acc:ZDB-GENE-030131-5580]	wu:fi04h01
ENSDARG00000070709	ENSDARP00000094165	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000089353	ENSDARP00000108702	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fj30f06 [Source:ZFIN;Acc:ZDB-GENE-030131-7567]	wu:fj30f06
ENSDARG00000068939	ENSDARP00000090658	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000010732	ENSDARP00000025376	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	XAF1
ENSDARG00000089578	ENSDARP00000089578	X-ray repair complementing defective repair in Chinese hamster cells 4 [Source:ZFIN;Acc:ZDB-GENE-040426-1755]	xrcc4
ENSDARG00000069723	ENSDARP00000092460	X-ray radiation resistance associated 1 [Source:ZFIN;Acc:ZDB-GENE-101216-2]	xrra1
ENSDARG00000067950	ENSDARP00000088712	zinc finger, B-box domain containing [Source:ZFIN;Acc:ZDB-GENE-061207-76]	zbbx
ENSDARG00000066588	ENSDARP00000035524	zinc finger, CCHC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:22916]	ZCCHC2
ENSDARG00000069102	ENSDARP00000105591	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983
ENSDARG00000026296	ENSDARP00000120817	zgc:112962 [Source:ZFIN;Acc:ZDB-GENE-050410-15]	zgc:112962
ENSDARG00000039364	ENSDARP00000057526	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000059396	ENSDARP00000076942	zgc:113019 [Source:ZFIN;Acc:ZDB-GENE-050417-449]	zgc:113019
ENSDARG00000035610	ENSDARP00000051622	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSDARG00000037398	ENSDARP00000054416	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000059235	ENSDARP00000115677	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000038271	ENSDARP00000091845	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000071648	ENSDARP00000123723	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000069453	ENSDARP00000120117	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000058794	ENSDARP00000113650	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000038382	ENSDARP00000105217	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000037192	ENSDARP00000054087	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000073821	ENSDARP00000033162	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000039099	ENSDARP00000057100	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000038898	ENSDARP00000122029	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG00000017489	ENSDARP00000046944	zgc:113691 [Source:ZFIN;Acc:ZDB-GENE-050220-7]	zgc:113691
ENSDARG00000030440	ENSDARP00000043344	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000095281	ENSDARP00000117065	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000039243	ENSDARP00000011827	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000070423	ENSDARP00000117627	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000054054	ENSDARP00000070659	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSDARG00000070042	ENSDARP00000093252	zgc:153219 [Source:ZFIN;Acc:ZDB-GENE-060929-144]	zgc:153219
ENSDARG00000089020	ENSDARP00000088270	zgc:158257 [Source:ZFIN;Acc:ZDB-GENE-061215-142]	zgc:158257
ENSDARG00000059679	ENSDARP00000077628	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000062326	ENSDARP00000113935	zgc:158343 [Source:ZFIN;Acc:ZDB-GENE-061201-9]	zgc:158343
ENSDARG00000067806	ENSDARP00000088441	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000091864	ENSDARP00000115902	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000071808	ENSDARP00000097252	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000070604	ENSDARP00000094633	zgc:158852 [Source:ZFIN;Acc:ZDB-GENE-070112-972]	zgc:158852
ENSDARG00000091385	ENSDARP00000092040	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSDARG00000027639	ENSDARP00000116942	zgc:165409 [Source:ZFIN;Acc:ZDB-GENE-070615-19]	zgc:165409
ENSDARG00000077741	ENSDARP00000099712	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000096566	ENSDARP00000126816	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F299]	ZGC:165551
ENSDARG00000092924	ENSDARP00000109929	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000071643	ENSDARP00000096878	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000090578	ENSDARP00000106207	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000011553	ENSDARP00000096642	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000078206	ENSDARP00000101766	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000077493	ENSDARP00000096892	zgc:171506 [Source:ZFIN;Acc:ZDB-GENE-080204-96]	zgc:171506
ENSDARG00000076721	ENSDARP00000075861	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000095966	ENSDARP00000125100	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
		zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699

ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000076530	ENSDARP00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000075248	ENSDARP00000076126	zgc:172133 [Source:ZFIN;Acc:ZDB-GENE-080204-48]	zgc:172133
ENSDARG00000076958	ENSDARP00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260
ENSDARG00000074983	ENSDARP00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000094800	ENSDARP00000113408	zgc:173545 [Source:ZFIN;Acc:ZDB-GENE-080215-6]	zgc:173545
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSDARG00000087318	ENSDARP00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077303	ENSDARP00000100715	zgc:174863 [Source:ZFIN;Acc:ZDB-GENE-080204-87]	zgc:174863
ENSDARG00000079278	ENSDARP00000105315	zgc:174877 [Source:ZFIN;Acc:ZDB-GENE-041008-66]	zgc:174877
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000041727	ENSDARP00000070231	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000079532	ENSDARP00000101608	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSDARG00000074014	ENSDARP00000102176	zgc:194275 [Source:ZFIN;Acc:ZDB-GENE-081022-92]	zgc:194275
ENSDARG00000078423	ENSDARP00000102754	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSDARG00000074809	ENSDARP00000104364	zgc:194392 [Source:ZFIN;Acc:ZDB-GENE-030131-4774]	zgc:194392
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000079697	ENSDARP00000097913	zgc:194908 [Source:ZFIN;Acc:ZDB-GENE-081022-164]	zgc:194908
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000074194	ENSDARP00000128856	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSDARG00000076264	ENSDARP00000103963	zgc:195170 [Source:ZFIN;Acc:ZDB-GENE-080723-62]	zgc:195170
ENSDARG00000093754	ENSDARP00000116901	zgc:195195 [Source:ZFIN;Acc:ZDB-GENE-081022-193]	zgc:195195
ENSDARG00000052375	ENSDARP00000117811	zgc:66455 [Source:ZFIN;Acc:ZDB-GENE-040426-1642]	zgc:66455
ENSDARG00000075916	ENSDARP00000119811	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSDARG00000056381	ENSDARP00000073333	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zglp1
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000000760	ENSDARP00000106376	zinc finger protein 511 [Source:ZFIN;Acc:ZDB-GENE-030616-621]	znf511
ENSDARG00000086290	ENSDARP00000105813	zinc finger protein 804B [Source:ZFIN;Acc:ZDB-GENE-100922-265]	znf804b
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000054574	ENSDARP00000071271	zinc finger, HIT-type containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-272]	znhit1
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000087114	ENSDARP00000106961	novel gene	ENSDARG00000087114
ENSDARG00000090379	ENSDARP00000107875	novel gene	ENSDARG00000090379
ENSDARG00000089350	ENSDARP00000107965	novel gene	ENSDARG00000089350
ENSDARG00000090354	ENSDARP00000111975	novel gene	ENSDARG00000090354
ENSDARG00000060622	ENSDARP00000112383	novel gene	ENSDARG00000060622
ENSDARG00000091900	ENSDARP00000114807	novel gene	ENSDARG00000091900
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897

Supplemental table 11. Zebrafish specific genes compared to tetraodon

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000074940	ENSDARP00000114895	selenoprotein 15 [Source:ZFIN;Acc:ZDB-GENE-030327-1]	sep15
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000025595	ENSDARP00000122798	alkylglycerol monoxygenase [Source:ZFIN;Acc:ZDB-GENE-040426-2207]	agmo
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000087110	ENSDARP00000109274	AT-hook transcription factor [Source:HGNC Symbol;Acc:HGNC:24108]	AKNA
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000087204	ENSDARP00000111981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXQ1]	AL807829.1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QID2]	AL928685.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBZ3]	AL928685.3
ENSDARG00000087621	ENSDARP00000112423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RC42]	AL928837.1
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI92]	AL928887.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000086813	ENSDARP00000107720	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Z2]	AL929239.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000086827	ENSDARP00000109924	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCH2]	AL929327.1
ENSDARG00000086564	ENSDARP00000106471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC43]	AL935184.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000091804	ENSDARP00000108024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAD1]	AL935274.1
ENSDARG00000087367	ENSDARP00000106264	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDP5]	AL953847.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000074779	ENSDARP00000098408	Alstrom syndrome 1 [Source:HGNC Symbol;Acc:HGNC:428]	ALMS1
ENSDARG00000062947	ENSDARP00000127484	amion associated transmembrane protein [Source:ZFIN;Acc:ZDB-GENE-060810-59]	amn
ENSDARG00000078435	ENSDARP00000097738	anaphase promoting complex subunit 13 [Source:ZFIN;Acc:ZDB-GENE-091204-298]	anapc13
ENSDARG00000088514	ENSDARP00000105441	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSDARG00000079302	ENSDARP00000102064	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-25]	and2
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000086579	ENSDARP00000126797	apratxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000092170	ENSDARP00000121190	apolipoprotein C-1 like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSDARG00000090980	ENSDARP00000110505	apolipoprotein F [Source:ZFIN;Acc:ZDB-GENE-031204-36]	apof
ENSDARG00000019223	ENSDARP00000013189	arginine and glutamate rich 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2914]	arglu1a
ENSDARG00000018319	ENSDARP00000014072	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSDARG00000091766	ENSDARP00000110772	Rho guanine nucleotide exchange factor (GEF) 17 [Source:HGNC Symbol;Acc:HGNC:21726]	ARHGEF17
ENSDARG00000071013	ENSDARP00000100952	ADP-ribosylation-like factor 6 interacting protein 6 [Source:ZFIN;Acc:ZDB-GENE-070410-117]	arl6ip6
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000070568	ENSDARP00000094508	ATPase family, AAA domain containing 5a [Source:ZFIN;Acc:ZDB-GENE-070912-20]	atad5a
ENSDARG00000050974	ENSDARP00000020097	ATPase family, AAA domain containing 5b [Source:ZFIN;Acc:ZDB-GENE-030131-338]	atad5b
ENSDARG00000044472	ENSDARP00000049367	alpha tubulin acetyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2120]	atat1
ENSDARG00000087693	ENSDARP00000105610	ATX1 antioxidant protein 1 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-120720-2]	atox1
ENSDARG00000095897	ENSDARP00000124085	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit [Source:ZFIN;Acc:ZDB-GENE-110411-22]	atp5e
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000071046	ENSDARP00000095567	BBSome interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-445]	bbip1
ENSDARG00000074111	ENSDARP00000098771	BCDIN3 domain containing [Source:ZFIN;Acc:ZDB-GENE-050208-327]	bcdin3d
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000090625	ENSDARP00000107570	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:HGNC:13787]	BCL2L12
ENSDARG00000058978	ENSDARP00000076399	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSDARG00000076903	ENSDARP00000102763	BEN domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-090312-181]	bend3
ENSDARG00000032037	ENSDARP00000120037	blocked early in transport 1 homolog (S. cerevisiae)-like [Source:ZFIN;Acc:ZDB-GENE-040822-2]	bet1l
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000088838	ENSDARP00000105456	bridging integrator 3 [Source:HGNC Symbol;Acc:HGNC:1054]	BIN3
ENSDARG00000096603	ENSDARP00000126692	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSDARG00000041414	ENSDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000056247	ENSDARP00000072634	BRICHOS domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-050208-85]	bricd5
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000027710	ENSDARP00000124375	BTB (POZ) domain containing 16 [Source:ZFIN;Acc:ZDB-GENE-100513-3]	btbd16
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000089942	ENSDARP00000111480	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QG84]	BX000348.1
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QBI7]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000070667	ENSDARP00000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3E7]	BX004857.1
ENSDARG00000077119	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1

ENSDARG0000005446	ENSDARP00000072273	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3Y4]	BX004983.1
ENSDARG00000077273	ENSDARP00000098164	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QK12]	BX005012.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000086468	ENSDARP00000107283	chemokine CCL-CUe (LOC100000741), mRNA	[Source:RefSeq mRNA;Acc:NM_001128278]	BX005103.2
ENSDARG00000091651	ENSDARP00000112367	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RD79]	BX005156.1
ENSDARG00000077575	ENSDARP00000103142	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAH1]	BX005223.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE8E]	BX005223.3
ENSDARG00000089146	ENSDARP00000110490	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8U7]	BX005223.4
ENSDARG00000089211	ENSDARP00000107426	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F356]	BX005223.5
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000076358	ENSDARP00000076481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H8]	BX005329.1
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000090319	ENSDARP00000107528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2P1]	BX005356.3
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1U0U4]	BX005364.1
ENSDARG00000031624	ENSDARP00000047076	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS88]	BX005421.1
ENSDARG00000074607	ENSDARP00000049592	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6X1]	BX005421.3
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVAS]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG000000078974	ENSDARP00000102657	coiled-coil-helix-coiled-coil-helix domain-containing protein 8-like (LOC796017), mRNA	[Source:RefSeq mRNA;Acc:NM_001200036]	BX088524.2
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000074637	ENSDARP00000097782	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS40]	BX088696.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYS3]	BX088712.2
ENSDARG00000057542	ENSDARP00000125574	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:HOWFE2]	BX119963.1
ENSDARG00000088126	ENSDARP00000109745	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QDA9]	BX119963.2
ENSDARG00000086942	ENSDARP00000102867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJF3]	BX247865.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA	[Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000037342	ENSDARP00000054331	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6L9]	BX255896.1
ENSDARG00000089295	ENSDARP00000105461	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHJ9]	BX255962.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000091479	ENSDARP00000091762	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F105]	BX296538.3
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000056449	ENSDARP00000073409	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXH3]	BX321875.1
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F8WSQ1]	BX322587.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000091424	ENSDARP00000112305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEN7]	BX323035.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000089864	ENSDARP00000106907	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8N7]	BX323573.1
ENSDARG00000077309	ENSDARP00000101017	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCG6]	BX323861.1
ENSDARG00000090688	ENSDARP00000105752	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZH4]	BX323994.1
ENSDARG00000078801	ENSDARP00000098216	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY34]	BX324131.3
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYH7]	BX324163.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA	[Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QBM6]	BX465187.1
ENSDARG00000088978	ENSDARP00000105277	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP17]	BX465203.2
ENSDARG00000090265	ENSDARP00000104527	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ10]	BX465203.3
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSP7]	BX469930.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000087122	ENSDARP00000108005	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF1]	BX511061.2
ENSDARG00000087202	ENSDARP00000103959	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6A9]	BX511066.1
ENSDARG00000087370	ENSDARP00000105580	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFT1]	BX511080.1
ENSDARG00000055263	ENSDARP00000072062	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R883]	BX511172.1
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000091334	ENSDARP00000107124	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0J1]	BX511252.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZD7]	BX530062.1
ENSDARG00000086015	ENSDARP00000104891	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBN3]	BX537109.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000052294	ENSDARP00000068611	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1T5]	BX537277.1
ENSDARG00000089736	ENSDARP00000110857	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRG6]	BX537277.3
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FY68]	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000058110	ENSDARP00000075367	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RBS3]	BX546499.1
ENSDARG00000057305	ENSDARP00000100375	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RD92]	BX547930.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000094120	ENSDARP00000121241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC76]	BX548047.2

ENSDARG00000036085	ENSDARP00000032169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZM3]	BX571811.1
ENSDARG00000095082	ENSDARP00000113618	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9H7]	BX571811.2
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000090640	ENSDARP00000103736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6T2]	BX571813.4
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000086783	ENSDARP00000109419	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS7]	BX640547.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM7]	BX649431.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000091327	ENSDARP00000108393	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTX3]	BX649516.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4T9]	BX649524.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA85]	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYI3]	BX897747.3
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1
ENSDARG00000053649	ENSDARP00000070181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QPY2]	BX927082.1
ENSDARG00000089800	ENSDARP00000104769	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXZ8]	BX927237.2
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000071141	ENSDARP00000095738	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8R2]	BX927308.2
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000078007	ENSDARP00000102649	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI43]	BX936298.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000088863	ENSDARP00000068505	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLE7]	BX936412.1
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBNO]	BX936450.1
ENSDARG00000070299	ENSDARP00000093799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXD0]	BX942819.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000070301	ENSDARP00000093806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R099]	BX950203.1
ENSDARG00000057102	ENSDARP00000074158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDT2]	BX957274.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000068982	ENSDARP00000090764	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C10H11orf63
ENSDARG00000093498	ENSDARP00000098404	chromosome 5 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:25052]	C10H5orf30
ENSDARG00000092776	ENSDARP00000118420	chromosome 5 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:25801]	C10H5orf42
ENSDARG00000095594	ENSDARP00000116545	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40051]	C10H5orf63
ENSDARG00000032885	ENSDARP00000046158	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Acc:HGNC:28567]	C11H1orf158
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H2orf96
ENSDARG00000073737	ENSDARP0000014999	chromosome 6 open reading frame 120 [Source:HGNC Symbol;Acc:HGNC:21247]	C11H6orf120
ENSDARG00000088036	ENSDARP00000112129	chromosome 11 open reading frame 95 [Source:HGNC Symbol;Acc:HGNC:28449]	C11orf95
ENSDARG00000086310	ENSDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H10orf107
ENSDARG00000089828	ENSDARP00000112326	chromosome 10 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25822]	C12H10orf88
ENSDARG00000089024	ENSDARP00000112494	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Acc:HGNC:26563]	C12H10orf90
ENSDARG00000079457	ENSDARP00000044811	chromosome 17 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:26171]	C12H17orf70
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSDARG00000053520	ENSDARP00000063437	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C12H7orf62
ENSDARG00000057166	ENSDARP00000114080	chromosome 10 open reading frame 11 [Source:HGNC Symbol;Acc:HGNC:23405]	C13H10orf11
ENSDARG00000069363	ENSDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H10orf53
ENSDARG00000068784	ENSDARP00000090375	chromosome 10 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:30085]	C13H10orf54
ENSDARG00000078140	ENSDARP00000101672	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]	C13H2orf50
ENSDARG00000089552	ENSDARP00000109836	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:26850]	C13H2orf61
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000037142	ENSDARP00000054005	chromosome 4 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:34346]	C14H4orf47
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14HXorf65
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000088258	ENSDARP00000111286	chromosome 16 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:27087]	C16orf52
ENSDARG00000091366	ENSDARP00000108496	chromosome 14 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:20127]	C17H14orf80
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG00000069168	ENSDARP00000091231	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:24497]	C18H15orf39
ENSDARG00000069240	ENSDARP00000091379	chromosome 15 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:34453]	C18H15orf61
ENSDARG00000040582	ENSDARP00000059399	chromosome 3 open reading frame 33 [Source:HGNC Symbol;Acc:HGNC:26434]	C18H3orf33
ENSDARG00000070413	ENSDARP00000087698	chromosome 18 open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:28802]	C19H18orf21
ENSDARG00000012113	ENSDARP00000025246	chromosome 1 open reading frame 109 [Source:HGNC Symbol;Acc:HGNC:26039]	C19H1orf109
ENSDARG00000074049	ENSDARP00000103805	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:27028]	C19H5orf49
ENSDARG00000056165	ENSDARP00000068194	chromosome 6 open reading frame 136 [Source:HGNC Symbol;Acc:HGNC:21301]	C19H6orf136
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000087611	ENSDARP00000104465	chromosome 9 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:24513]	C19H9orf91
ENSDARG00000059816	ENSDARP00000078007	chromosome 19 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:24991]	C1H19orf53
ENSDARG00000060187	ENSDARP00000092184	chromosome 19 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:34354]	C1H19orf67
ENSDARG00000087426	ENSDARP00000108477	chromosome 20 open reading frame 27 [Source:HGNC Symbol;Acc:HGNC:15873]	C1H20orf27
ENSDARG00000044612	ENSDARP00000065547	complement component 1, q subcomponent, B chain [Source:ZFIN;Acc:ZDB-GENE-040801-223]	c1qb
ENSDARG00000078606	ENSDARP00000099031	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Acc:HGNC:25332]	C20H1orf131
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000090722	ENSDARP00000064418	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C20H6orf58

ENSDARG00000071487	ENSDARP00000104440	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C21H18orf54
ENSDARG00000090747	ENSDARP00000104703	chromosome 5 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:20656]	C21H5orf15
ENSDARG00000044480	ENSDARP00000065317	chromosome X open reading frame 40A [Source:HGNC Symbol;Acc:HGNC:28089]	C21HXorf40A
ENSDARG00000071675	ENSDARP00000076340	chromosome 19 open reading frame 10 [Source:HGNC Symbol;Acc:HGNC:16948]	C22H19orf10
ENSDARG00000090673	ENSDARP00000105589	chromosome 19 open reading frame 44 [Source:HGNC Symbol;Acc:HGNC:26141]	C22H19orf44
ENSDARG00000073867	ENSDARP00000102057	chromosome 19 open reading frame 60 [Source:HGNC Symbol;Acc:HGNC:26098]	C22H19orf60
ENSDARG00000071439	ENSDARP00000096390	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]	C22H1orf53
ENSDARG00000098029	ENSDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSDARG00000070868	ENSDARP00000083775	chromosome 1 open reading frame 192 [Source:HGNC Symbol;Acc:HGNC:32325]	C23H1orf192
ENSDARG00000019332	ENSDARP00000043608	chromosome 11 open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:28519]	C24H11orf65
ENSDARG00000045254	ENSDARP00000066555	chromosome 7 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:22421]	C24H7orf50
ENSDARG00000097630	ENSDARP00000128389	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:32235]	C24H8orf59
ENSDARG00000089303	ENSDARP00000104692	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:11774]	C25H11orf24
ENSDARG00000089139	ENSDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSDARG00000097208	ENSDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSDARG00000045797	ENSDARP00000067319	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:34450]	C25H12orf73
ENSDARG00000097310	ENSDARP00000128166	chromosome 15 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:28443]	C25H15orf40
ENSDARG00000089687	ENSDARP00000129715	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C25H17orf105
ENSDARG00000036888	ENSDARP00000111320	chromosome X open reading frame 38 [Source:HGNC Symbol;Acc:HGNC:28589]	C25HXorf38
ENSDARG00000076896	ENSDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C2H10orf67
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000087146	ENSDARP00000107590	chromosome 19 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28424]	C3H19orf43
ENSDARG00000052176	ENSDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSDARG00000077926	ENSDARP00000098368	chromosome 12 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:28628]	C4H12orf45
ENSDARG00000078192	ENSDARP00000100437	chromosome 12 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26456]	C4H12orf55
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG00000075714	ENSDARP00000122168	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C5H11orf88
ENSDARG00000078315	ENSDARP00000100969	chromosome 12 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:26128]	C5H12orf49
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30
ENSDARG00000088753	ENSDARP00000115560	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C5H4orf22
ENSDARG00000078807	ENSDARP00000098900	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:HGNC:27849]	C5H9orf142
ENSDARG00000068122	ENSDARP00000116312	chromosome 9 open reading frame 171 [Source:HGNC Symbol;Acc:HGNC:33776]	C5H9orf171
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9
ENSDARG00000089625	ENSDARP00000105071	chromosome 17 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:27900]	C6H17orf67
ENSDARG00000075814	ENSDARP00000099890	chromosome 1 open reading frame 146 [Source:HGNC Symbol;Acc:HGNC:24032]	C6H1orf146
ENSDARG00000086336	ENSDARP00000128695	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C6H1orf159
ENSDARG00000017657	ENSDARP0000012989	chromosome 1 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:26319]	C6H1orf74
ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:1300]	C6H21orf58
ENSDARG00000078609	ENSDARP00000100191	chromosome 3 open reading frame 18 [Source:HGNC Symbol;Acc:HGNC:24837]	C6H3orf18
ENSDARG00000019406	ENSDARP00000126646	chromosome 11 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:28801]	C7H11orf68
ENSDARG00000039477	ENSDARP00000057676	chromosome 15 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:28520]	C7H15orf43
ENSDARG00000076239	ENSDARP00000100238	chromosome 20 open reading frame 27 [Source:HGNC Symbol;Acc:HGNC:15873]	C7H20orf27
ENSDARG00000089877	ENSDARP00000105636	chromosome 4 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:34437]	C7H4orf48
ENSDARG00000034457	ENSDARP00000048622	chromosome 1 open reading frame 194 [Source:HGNC Symbol;Acc:HGNC:32331]	C8H1orf194
ENSDARG00000029859	ENSDARP00000099275	chromosome 1 open reading frame 228 [Source:HGNC Symbol;Acc:HGNC:34345]	C8H1orf228
ENSDARG00000092360	ENSDARP00000115603	chromosome 22 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:27012]	C8H22orf39
ENSDARG00000058940	ENSDARP00000076347	chromosome 9 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28435]	C8H9orf116
ENSDARG00000093739	ENSDARP00000116725	chromosome 17 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:37241]	C9H17orf105
ENSDARG00000042025	ENSDARP00000061584	chromosome 2 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:28772]	C9H2orf49
ENSDARG00000087317	ENSDARP00000111247	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ24]	CABZ01001819.1
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY7]	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CABZ01002533.1
ENSDARG00000031496	ENSDARP000000041467	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F124]	CABZ01003022.1
ENSDARG00000090702	ENSDARP00000107976	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Q2]	CABZ01005649.2
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Q2]	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWG5]	CABZ01015787.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000090401	ENSDARP00000111760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP8]	CABZ01020840.1
ENSDARG00000093712	ENSDARP00000115408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QGG4]	CABZ01021530.1
ENSDARG00000086315	ENSDARP00000110975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F657]	CABZ01021532.1
ENSDARG00000088918	ENSDARP00000110294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBF2]	CABZ01021532.2
ENSDARG00000091541	ENSDARP00000106253	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYF1]	CABZ01022575.2
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CABZ01023601.1
ENSDARG00000089216	ENSDARP00000107063	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F159]	CABZ01024686.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000039596	ENSDARP00000057857	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F858]	CABZ01031613.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCF7]	CABZ01031933.1
ENSDARG00000076088	ENSDARP00000098420	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QF83]	CABZ01032351.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC56]	CABZ01032352.1
ENSDARG00000090985	ENSDARP00000108221	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8K5]	CABZ01034531.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1

ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CABZ01034698.2
ENSDARG00000088679	ENSDARP000000110813	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ9J]	CABZ01034702.1
ENSDARG00000090057	ENSDARP000000105305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CABZ01033802.1
ENSDARG00000090961	ENSDARP000000110743	CABZ01039845.1		CABZ01039845.1
ENSDARG00000086335	ENSDARP000000111471	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000078462	ENSDARP00000092273	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR1]	CABZ01043311.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP000000104704	CABZ01044069.1		CABZ01044069.1
ENSDARG00000087080	ENSDARP000000109220	CABZ01044356.1		CABZ01044356.1
ENSDARG00000086430	ENSDARP000000104537	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8V8]	CABZ01046425.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R900]	CABZ01046427.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2R9]	CABZ01046432.1
ENSDARG00000071622	ENSDARP000000103081	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000086420	ENSDARP000000107384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4C8]	CABZ01046949.1
ENSDARG00000059514	ENSDARP00000077236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFU2]	CABZ01046996.1
ENSDARG00000090511	ENSDARP000000111765	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY6P]	CABZ01048092.1
ENSDARG00000087660	ENSDARP000000111942	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1		CABZ01052573.1
ENSDARG00000087460	ENSDARP000000104819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXL0]	CABZ01052953.1
ENSDARG00000086154	ENSDARP000000108151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR51]	CABZ01053196.1
ENSDARG00000090923	ENSDARP000000106342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCU4]	CABZ01053592.1
ENSDARG00000087213	ENSDARP000000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000086974	ENSDARP000000112255	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZE2]	CABZ01055017.1
ENSDARG00000088324	ENSDARP000000108704	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F611]	CABZ01055343.2
ENSDARG00000087246	ENSDARP000000109975	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ09]	CABZ01055715.1
ENSDARG00000089832	ENSDARP000000109479	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QH4I]	CABZ01056274.1
ENSDARG00000088172	ENSDARP000000110603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVC1]	CABZ01056518.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0I5]	CABZ01056821.1
ENSDARG00000091217	ENSDARP000000104834	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP000000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP000000106481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP000000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000087345	ENSDARP000000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP000000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP000000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1
ENSDARG00000079047	ENSDARP000000102812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1H2]	CABZ01061496.1
ENSDARG00000090536	ENSDARP000000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS55]	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP000000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP000000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086267	ENSDARP000000111718	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYU4]	CABZ01063556.1
ENSDARG00000091068	ENSDARP000000104444	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZJ9]	CABZ01063789.1
ENSDARG00000089402	ENSDARP000000105234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Y9]	CABZ01063841.1
ENSDARG00000089125	ENSDARP000000110886	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F768]	CABZ01064012.1
ENSDARG00000077346	ENSDARP00000099878	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4N5]	CABZ01064799.1
ENSDARG00000063315	ENSDARP000000111345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CABZ01064968.1
ENSDARG00000089818	ENSDARP000000110175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CABZ01064968.2
ENSDARG00000090576	ENSDARP000000104820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY83]	CABZ01064968.3
ENSDARG00000070622	ENSDARP00000094665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXR8]	CABZ01064972.1
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXS8]	CABZ01064972.2
ENSDARG00000091311	ENSDARP000000111707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ6A]	CABZ01064973.1
ENSDARG00000088253	ENSDARP000000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP000000109290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000090864	ENSDARP000000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP000000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000087416	ENSDARP000000111229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP000000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000075662	ENSDARP000000103795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6P2]	CABZ01071283.1
ENSDARG00000086531	ENSDARP000000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP000000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP000000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD55]	CABZ01071911.1
ENSDARG00000074962	ENSDARP00000098568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXJ9]	CABZ01072083.1
ENSDARG00000087627	ENSDARP000000106198	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE48]	CABZ01072159.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXI0]	CABZ01072487.1
ENSDARG00000090683	ENSDARP000000108158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CABZ01072488.1
ENSDARG00000090053	ENSDARP000000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP000000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000090150	ENSDARP000000104866	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0D6]	CABZ01072698.1
ENSDARG00000088201	ENSDARP000000110014	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDK8]	CABZ01072699.2
ENSDARG00000091638	ENSDARP000000106375	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QM44]	CABZ01072989.1
ENSDARG00000087696	ENSDARP000000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP000000111886	CABZ01073405.1		CABZ01073405.1

ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000086759	ENSDARP00000109372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZ51]	CABZ01074268.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWV4]	CABZ01074659.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000090396	ENSDARP00000107917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F481]	CABZ01074946.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG0000009361	ENSDARP00000087968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F044]	CABZ01077220.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB66]	CABZ01077223.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q735]	CABZ01078262.1
ENSDARG00000090801	ENSDARP0000011828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGPO]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GXD1]	CABZ01078610.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QL4L]	CABZ01079490.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYI8]	CABZ01079804.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FY70]	CABZ01080492.1
ENSDARG00000086201	ENSDARP00000109600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QF47]	CABZ01081490.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FES5]	CABZ01083815.1
ENSDARG00000076971	ENSDARP00000050388	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHF3]	CABZ01084503.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000059047	ENSDARP00000096958	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4R0]	CABZ01085069.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000090436	ENSDARP00000102633	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F373]	CABZ01085858.1
ENSDARG00000088304	ENSDARP00000110085	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG1]	CABZ01086597.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000086023	ENSDARP00000104637	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY11]	CABZ01088061.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000089609	ENSDARP00000109487	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY18]	CABZ01094378.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1		CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01111604.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F516]	CABZ01113191.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1		CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089677	ENSDARP00000109187	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GVV4]	CABZ01117603.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000086736	ENSDARP00000108916	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYT9]	CABZ01118266.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000058486	ENSDARP00000075799	calyphosine 2	[Source:ZFIN;Acc:ZDB-GENE-091204-449]	cap52
ENSDARG00000019950	ENSDARP00000118967	calcium responsive transcription factor	[Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000022718	ENSDARP00000062685	CASP8 associated protein 2	[Source:ZFIN;Acc:ZDB-GENE-030826-8]	casp8ap2
ENSDARG00000040917	ENSDARP00000059960	core-binding factor, beta subunit	[Source:ZFIN;Acc:ZDB-GENE-980526-440]	cbfb
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103	[Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccd1c03
ENSDARG00000054136	ENSDARP00000070746	coiled-coil domain containing 105	[Source:HGNC Symbol;Acc:HGNC:26866]	CCDC105
ENSDARG00000069762	ENSDARP00000092547	coiled-coil domain containing 11	[Source:ZFIN;Acc:ZDB-GENE-060503-508]	ccd1c11
ENSDARG00000015010	ENSDARP00000013307	coiled-coil domain containing 114	[Source:HGNC Symbol;Acc:HGNC:26560]	CCDC114
ENSDARG00000091872	ENSDARP00000121330	coiled-coil domain containing 117	[Source:HGNC Symbol;Acc:HGNC:26599]	CCDC117
ENSDARG00000030508	ENSDARP00000048732	coiled-coil domain containing 134	[Source:HGNC Symbol;Acc:HGNC:26185]	CCDC134
ENSDARG00000075513	ENSDARP00000069483	coiled-coil domain containing 136b	[Source:ZFIN;Acc:ZDB-GENE-081104-244]	ccd1c36b
ENSDARG00000090554	ENSDARP00000111939	coiled-coil domain containing 138	[Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSDARG00000086557	ENSDARP00000108741	coiled-coil domain containing 14	[Source:ZFIN;Acc:ZDB-GENE-120215-134]	ccd1c14
ENSDARG00000091927	ENSDARP00000059450	coiled-coil domain containing 141	[Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000004780	ENSDARP00000024005	coiled-coil domain containing 142	[Source:HGNC Symbol;Acc:HGNC:25889]	CCDC142

ENSDARG00000067517	ENSDARP00000087932	coiled-coil domain containing 15 [Source:HGNC Symbol;Acc:HGNC:25798]	CCDC15
ENSDARG00000090935	ENSDARP00000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000062978	ENSDARP00000086061	coiled-coil domain containing 151 [Source:ZFIN;Acc:ZDB-GENE-061013-787]	ccdc151
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000056279	ENSDARP00000073207	coiled-coil domain containing 157 [Source:ZFIN;Acc:ZDB-GENE-030616-155]	ccdc157
ENSDARG00000045850	ENSDARP00000067379	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGNC:21239]	CCDC167
ENSDARG00000016161	ENSDARP00000109073	coiled-coil domain containing 170 [Source:ZFIN;Acc:ZDB-GENE-070112-162]	ccdc170
ENSDARG00000027381	ENSDARP00000123818	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGNC:29828]	CCDC171
ENSDARG00000039937	ENSDARP00000128177	coiled-coil domain containing 172 [Source:ZFIN;Acc:ZDB-GENE-090313-1]	ccdc172
ENSDARG00000077928	ENSDARP00000102848	coiled-coil domain containing 173 [Source:ZFIN;Acc:ZDB-GENE-081104-457]	ccdc173
ENSDARG00000089320	ENSDARP00000129277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSDARG00000067841	ENSDARP00000106528	coiled-coil domain containing 177 [Source:ZFIN;Acc:ZDB-GENE-130530-718]	ccdc177
ENSDARG00000090429	ENSDARP00000116840	coiled-coil domain containing 178 [Source:HGNC Symbol;Acc:HGNC:29588]	CCDC178
ENSDARG00000032372	ENSDARP00000106261	coiled-coil domain containing 180 [Source:HGNC Symbol;Acc:HGNC:29303]	CCDC180
ENSDARG00000062021	ENSDARP00000083594	coiled-coil domain containing 181 [Source:HGNC Symbol;Acc:HGNC:28051]	CCDC181
ENSDARG00000086898	ENSDARP00000108444	Coiled-coil domain-containing protein 23 (ccdc23), mRNA [Source:RefSeq mRNA;Acc:NM_001202432]	CCDC23
ENSDARG00000038793	ENSDARP00000117032	coiled-coil domain containing 24 [Source:ZFIN;Acc:ZDB-GENE-050327-18]	ccdc24
ENSDARG00000056961	ENSDARP00000073993	coiled-coil domain containing 30 [Source:HGNC Symbol;Acc:HGNC:26103]	CCDC30
ENSDARG00000051858	ENSDARP00000068063	coiled-coil domain containing 33 [Source:ZFIN;Acc:ZDB-GENE-101011-1]	ccdc33
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000016813	ENSDARP00000013683	coiled-coil domain containing 40 [Source:ZFIN;Acc:ZDB-GENE-060503-723]	ccdc40
ENSDARG00000035550	ENSDARP00000051529	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccdc42b
ENSDARG00000094493	ENSDARP00000121826	coiled-coil domain containing 50 [Source:HGNC Symbol;Acc:HGNC:18111]	CCDC50
ENSDARG00000089863	ENSDARP00000104714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY31]	CCDC57
ENSDARG00000071314	ENSDARP00000096141	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000032005	ENSDARP00000043945	coiled-coil domain containing 65 [Source:ZFIN;Acc:ZDB-GENE-030616-358]	ccdc65
ENSDARG00000017771	ENSDARP00000070338	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGNC:27709]	CCDC66
ENSDARG00000071570	ENSDARP00000118626	coiled-coil domain containing 71 [Source:HGNC Symbol;Acc:HGNC:25760]	CCDC71
ENSDARG00000093805	ENSDARP00000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccdc73
ENSDARG00000093026	ENSDARP00000120045	coiled-coil domain containing 74B [Source:HGNC Symbol;Acc:HGNC:25267]	CCDC74B
ENSDARG00000030095	ENSDARP00000042272	coiled-coil domain containing 78 [Source:ZFIN;Acc:ZDB-GENE-060301-1]	ccdc78
ENSDARG00000058587	ENSDARP00000075909	coiled-coil domain containing 79 [Source:ZFIN;Acc:ZDB-GENE-060503-732]	ccdc79
ENSDARG00000077179	ENSDARP00000103987	coiled-coil domain containing 83 [Source:ZFIN;Acc:ZDB-GENE-130723-1]	ccdc83
ENSDARG00000059908	ENSDARP00000078271	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000039824	ENSDARP00000058247	coiled-coil domain containing 89 [Source:HGNC Symbol;Acc:HGNC:26762]	CCDC89
ENSDARG00000035963	ENSDARP00000052200	coiled-coil domain containing 96 [Source:ZFIN;Acc:ZDB-GENE-081022-156]	ccdc96
ENSDARG00000074703	ENSDARP00000090527	coiled-coil domain containing 97 [Source:HGNC Symbol;Acc:HGNC:28289]	CCDC97
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000094511	ENSDARP00000122800	chemokine (C-C motif) ligand 20 [Source:ZFIN;Acc:ZDB-GENE-091204-95]	cc120
ENSDARG00000074772	ENSDARP00000101027	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	cc1-c11b
ENSDARG00000086359	ENSDARP00000106082	centriolar coiled coil protein 110kDa [Source:HGNC Symbol;Acc:HGNC:24342]	CCP110
ENSDARG00000091535	ENSDARP00000111750	coiled-coil serine-rich protein 2 [Source:ZFIN;Acc:ZDB-GENE-121214-220]	ccse2
ENSDARG00000087749	ENSDARP00000109178	coiled-coil serine-rich protein 2 [Source:HGNC Symbol;Acc:HGNC:29197]	CCSER2
ENSDARG00000095070	ENSDARP00000115721	CD28 molecule [Source:ZFIN;Acc:ZDB-GENE-070912-128]	cd28
ENSDARG00000090386	ENSDARP00000129304	CD3e molecule, epsilon associated protein [Source:ZFIN;Acc:ZDB-GENE-101202-2]	cd3eap
ENSDARG00000037473	ENSDARP00000123803	CD79a molecule, immunoglobulin-associated alpha [Source:ZFIN;Acc:ZDB-GENE-100922-201]	cd79a
ENSDARG00000068759	ENSDARP00000090340	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:14623]	CDCA2
ENSDARG00000044437	ENSDARP00000065263	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	dca5
ENSDARG00000088639	ENSDARP00000106626	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	dca9
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000045857	ENSDARP00000090088	CAAAT/enhancer binding protein (C/EBP), zeta [Source:ZFIN;Acc:ZDB-GENE-050417-261]	cebpbz
ENSDARG00000094388	ENSDARP00000119071	celsr2	celsr2
ENSDARG00000051333	ENSDARP00000082023	centromere protein F, (mitosin) [Source:ZFIN;Acc:ZDB-GENE-041111-205]	cenpf
ENSDARG00000075619	ENSDARP00000129490	centromere protein O [Source:ZFIN;Acc:ZDB-GENE-070928-16]	cenpo
ENSDARG00000044135	ENSDARP00000064804	centromere protein P [Source:ZFIN;Acc:ZDB-GENE-040801-74]	cenpp
ENSDARG00000091271	ENSDARP00000120776	centromere protein T [Source:HGNC Symbol;Acc:HGNC:25787]	CENPT
ENSDARG00000092285	ENSDARP00000112607	centromere protein V [Source:ZFIN;Acc:ZDB-GENE-060526-76]	cenpv
ENSDARG00000062898	ENSDARP00000085882	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSDARG00000087369	ENSDARP00000107803	centrosomal protein 162kDa [Source:HGNC Symbol;Acc:HGNC:21107]	CEP162
ENSDARG00000053106	ENSDARP00000107217	centrosomal protein 44 [Source:ZFIN;Acc:ZDB-GENE-060929-392]	cep44
ENSDARG00000056862	ENSDARP00000109882	centrosomal protein 63 [Source:ZFIN;Acc:ZDB-GENE-040426-1154]	cep63
ENSDARG00000039411	ENSDARP00000110117	centrosomal protein 68 [Source:ZFIN;Acc:ZDB-GENE-030616-565]	cep68
ENSDARG00000057934	ENSDARP00000075142	centrosomal protein 72 [Source:ZFIN;Acc:ZDB-GENE-101115-1]	cep72
ENSDARG00000040479	ENSDARP00000053887	glycoprotein hormones, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-040715-2]	cga
ENSDARG00000075444	ENSDARP00000100971	cell growth regulator with EF-hand domain 1 [Source:HGNC Symbol;Acc:HGNC:16962]	CGREF1
ENSDARG00000029100	ENSDARP00000091714	coiled-coil-helix-coiled-coil-helix domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-060810-176]	chchd1
ENSDARG00000068156	ENSDARP00000089144	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-080204-55]	chchd7
ENSDARG00000008829	ENSDARP00000022142	chromogranin A [Source:ZFIN;Acc:ZDB-GENE-041010-161]	chga
ENSDARG00000076500	ENSDARP00000101923	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSDARG00000069045	ENSDARP00000090933	CTF8, chromosome transmission fidelity factor 8 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050419-148]	chtf8
ENSDARG00000044418	ENSDARP00000065231	corepressor interacting with RBPJ, 1 [Source:HGNC Symbol;Acc:HGNC:24217]	CIR1
ENSDARG00000079516	ENSDARP00000099418	CDGSH iron sulfur domain 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1162]	cisd1
ENSDARG00000052703	ENSDARP00000069092	CDGSH iron sulfur domain 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1381]	cisd2
ENSDARG00000007971	ENSDARP00000003357	CDC28 protein kinase regulatory subunit 1B [Source:ZFIN;Acc:ZDB-GENE-040801-112]	cks1b
ENSDARG00000071410	ENSDARP00000096323	CDC28 protein kinase regulatory subunit 2 [Source:ZFIN;Acc:ZDB-GENE-050208-508]	cks2
ENSDARG00000016290	ENSDARP00000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1

ENSDARG00000079368	ENSDARP00000100579	claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]	CLDN18
ENSDARG00000075525	ENSDARP00000124599	ceroid-lipofuscinosis, neuronal 8 [Source:ZFIN;Acc:ZDB-GENE-060906-3]	cln8
ENSDARG00000089903	ENSDARP00000107758	cytidine monophosphate N-acetylneuraminic acid synthetase b [Source:ZFIN;Acc:ZDB-GENE-120427-1]	cmasb
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000091489	ENSDARP00000106270	cyclic nucleotide binding domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26663]	CNBD1
ENSDARG00000036064	ENSDARP00000052350	CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Source:ZFIN;Acc:ZDB-GENE-050417-425]	cnep1r1
ENSDARG00000091683	ENSDARP00000111036	cannabinoid receptor interacting protein 1a [Source:ZFIN;Acc:ZDB-GENE-040801-126]	cnrip1a
ENSDARG00000037337	ENSDARP00000054321	cannabinoid receptor interacting protein 1b [Source:ZFIN;Acc:ZDB-GENE-080722-33]	cnrip1b
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG00000074312	ENSDARP00000098911	cytochrome C oxidase assembly factor 3 [Source:ZFIN;Acc:ZDB-GENE-060810-187]	coa3
ENSDARG00000097456	ENSDARP00000128959	cytochrome c oxidase assembly factor 3 [Source:HGNC Symbol;Acc:HGNC:24990]	COA3
ENSDARG00000092677	ENSDARP00000114231	cytochrome c oxidase assembly factor 6 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:18025]	COA6
ENSDARG00000090155	ENSDARP00000109216	collagen, type XV, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-080918-1]	col15a1a
ENSDARG00000092124	ENSDARP00000117013	cytochrome c oxidase assembly homolog 14 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14
ENSDARG00000045747	ENSDARP00000116630	cadherin-like and PC-esterase domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-041210-247]	cped1
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1YUJ3]	CR352226.2
ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG00000091600	ENSDARP00000111240	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QK00]	CR352229.1
ENSDARG00000088488	ENSDARP00000109787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7FBV3]	CR352290.2
ENSDARG00000088656	ENSDARP00000109373	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ50]	CR352328.3
ENSDARG00000091480	ENSDARP00000112021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC4]	CR354372.1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000019318	ENSDARP00000054055	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QA12]	CR354540.2
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000088060	ENSDARP00000106940	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7FC13]	CR356223.1
ENSDARG00000090166	ENSDARP00000107463	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3B7]	CR356223.2
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000078583	ENSDARP00000104080	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6E1]	CR376825.1
ENSDARG00000079364	ENSDARP00000100045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAQ9]	CR377211.1
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000076336	ENSDARP00000101984	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDU3]	CR381673.1
ENSDARG00000087818	ENSDARP00000112224	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGV1]	CR381673.2
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000076607	ENSDARP00000092275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD7]	CR383676.3
ENSDARG00000022620	ENSDARP00000029205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBT3]	CR384075.1
ENSDARG00000090754	ENSDARP00000104690	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYF1]	CR384075.2
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q1C3]	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000077221	ENSDARP00000100765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF33]	CR385078.1
ENSDARG00000054974	ENSDARP00000071724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXH1]	CR388087.1
ENSDARG00000037005	ENSDARP00000053787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F346]	CR388095.1
ENSDARG00000058052	ENSDARP00000075301	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBV8]	CR388145.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000076953	ENSDARP00000101155	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV2]	CR388416.1
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000091076	ENSDARP00000104965	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDA5]	CR392001.1
ENSDARG00000075388	ENSDARP00000101497	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9M4]	CR392354.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY58]	CR392364.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000091105	ENSDARP00000109155	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FOR1]	CR396586.2
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000070274	ENSDARP00000126382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K7DY55]	CR407594.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450716.1
ENSDARG00000090899	ENSDARP00000107370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4D5]	CR450711.2
ENSDARG00000067528	ENSDARP00000087955	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8Y1]	CR450726.1
ENSDARG00000079337	ENSDARP00000100718	chemokine CCL-CUJ (LOC100216314), mRNA [Source:RefSeq mRNA;Acc:NM_001142267]	CR450808.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000090837	ENSDARP00000109371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QPJ4]	CR454569.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCY7]	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q1S4]	CR548627.1
ENSDARG00000091468	ENSDARP00000110790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000088608	ENSDARP00000111477	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QGU4]	CR628385.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000056166	ENSDARP00000030732	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000079514	ENSDARP00000102180	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZ33]	CR762475.1
ENSDARG00000086851	ENSDARP00000111747	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYR5]	CR762484.2
ENSDARG00000074973	ENSDARP00000101053	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0D0]	CR788254.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1

ENSDARG00000038111	ENSDARP00000055561	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R094]	CR788316.1
ENSDARG00000073836	ENSDARP00000097680	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6B6]	CR788316.2
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QZH3]	CR792453.2
ENSDARG00000086238	ENSDARP00000106282	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDN6]	CR847511.1
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000043167	ENSDARP00000098183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH7]	CR847904.1
ENSDARG00000086423	ENSDARP00000105108	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FG35]	CR847950.4
ENSDARG00000090975	ENSDARP00000104987	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD90]	CR848032.1
ENSDARG00000036829	ENSDARP00000053470	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIM9]	CR848787.1
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000090480	ENSDARP00000109633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000090758	ENSDARP00000108395	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7Z1]	CR854942.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000087589	ENSDARP00000105931	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3G4]	CR855327.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH9]	CR926879.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000076494	ENSDARP00000094400	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFR6]	CR931813.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000091768	ENSDARP00000111198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F457]	CR932360.4
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000098990	ENSDARP00000020392	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A5WV53]	CR936442.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000086873	ENSDARP00000093432	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1C6]	CR936977.1
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD9]	CR974475.1
ENSDARG00000090107	ENSDARP00000105396	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF82]	CR974475.2
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	creb12
ENSDARG00000089787	ENSDARP00000112346	CREB/ATF bZIP transcription factor [Source:ZFIN;Acc:ZDB-GENE-0301131-8015]	crebzf
ENSDARG00000074992	ENSDARP00000098033	Putative class I cytokine receptor 31.2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A8WHA2]	CRA31.2
ENSDARG00000052413	ENSDARP00000111744	cytokine receptor family member B12 [Source:ZFIN;Acc:ZDB-GENE-060421-4184]	crfb12
ENSDARG00000074488	ENSDARP00000103215	cytokine receptor family member B13 [Source:ZFIN;Acc:ZDB-GENE-071120-8]	crfb13
ENSDARG00000086607	ENSDARP00000106866	ciliary rootlet coiled-coil, rootletin [Source:HGNC Symbol;Acc:HGNC:21299]	CROCC
ENSDARG00000075343	ENSDARP00000101884	colony stimulating factor 1a (macrophage) [Source:ZFIN;Acc:ZDB-GENE-080204-107]	csf1a
ENSDARG00000068263	ENSDARP00000089407	colony stimulating factor 1b (macrophage) [Source:ZFIN;Acc:ZDB-GENE-061215-106]	csf1b
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000058950	ENSDARP00000076357	centrosome and spindle pole associated protein 1 [Source:HGNC Symbol;Acc:HGNC:26193]	CSPP1
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000077706	ENSDARP00000102023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QDG1]	CT025887.1
ENSDARG00000076932	ENSDARP00000103613	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R804]	CT025934.1
ENSDARG00000068569	ENSDARP00000089983	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9E7]	CT027576.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000075563	ENSDARP00000101174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAQ4]	CT027696.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000089071	ENSDARP00000109086	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1E7]	CT573239.1
ENSDARG00000078927	ENSDARP00000103412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q741]	CT573252.1
ENSDARG00000037253	ENSDARP00000054197	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8V8]	CT573253.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1ROC8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000075807	ENSDARP00000099340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBR2]	CT867973.1
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD89]	CT963086.1
ENSDARG00000070119	ENSDARP00000093415	CTS telomere maintenance complex component 1 [Source:ZFIN;Acc:ZDB-GENE-061103-271]	ctc1
ENSDARG00000090332	ENSDARP00000110744	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000054527	ENSDARP00000071204	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLT8]	CU459094.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3

ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000088141	ENSDARP00000106862	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD11]	CU570684.4
ENSDARG00000078024	ENSDARP00000098059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F068]	CU570881.3
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000095493	ENSDARP00000114676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QI08]	CU570881.3
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHL5]	CU570889.1
ENSDARG00000091640	ENSDARP00000107548	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N1]	CU571169.5
ENSDARG00000089920	ENSDARP00000105776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F424]	CU571255.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDARG00000069841	ENSDARP00000092572	uncharacterized LOC100000433 (LOC100000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000086452	ENSDARP00000111660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ74]	CU672227.1
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000086809	ENSDARP00000106413	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYG1]	CU693480.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000087038	ENSDARP00000111796	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYM1]	CU694254.1
ENSDARG00000087149	ENSDARP00000107100	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW4]	CU694385.1
ENSDARG00000088365	ENSDARP00000105615	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU695117.1
ENSDARG00000032477	ENSDARP00000090457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC83]	CU695232.1
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F555]	CU855780.1
ENSDARG00000074630	ENSDARP00000102039	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2D4]	CU856207.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU30]	CU861891.1
ENSDARG00000088542	ENSDARP00000108246	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWS1]	CU896555.1
ENSDARG00000043033	ENSDARP00000108777	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUF5]	CU896691.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]	CU929143.1
ENSDARG0000008753	ENSDARP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000038587	ENSDARP00000056332	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QYR3]	CU929150.1
ENSDARG00000088982	ENSDARP00000110580	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8H0]	CU929163.1
ENSDARG00000089645	ENSDARP00000109328	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJ75]	CU929307.1
ENSDARG00000087047	ENSDARP00000104858	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR33]	CU929328.1
ENSDARG00000089324	ENSDARP00000109275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QDY1]	CU929506.1
ENSDARG00000089543	ENSDARP00000106958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8K6]	CU984579.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]	cxcl6
ENSDARG00000056627	ENSDARP00000109550	chemokine (C-X-C motif) ligand 14 [Source:ZFIN;Acc:ZDB-GENE-000619-1]	cxcl14
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDARG00000087505	ENSDARP00000107706	cysteine/tyrosine-rich 1 [Source:HGNC Symbol;Acc:HGNC:16274]	CYR1
ENSDARG00000086728	ENSDARP00000106158	chromosome X open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:26356]	CzV9_scaffold3516HXorf58
ENSDARG00000087910	ENSDARP00000108748	dishevelled-binding antagonist of beta-catenin 3 [Source:HGNC Symbol;Acc:HGNC:30745]	DACT3
ENSDARG00000000069	ENSDARP00000000070	death associated protein [Source:ZFIN;Acc:ZDB-GENE-000511-3]	dap
ENSDARG00000007867	ENSDARP00000004236	DAZ associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3036]	dazap2
ENSDARG00000076074	ENSDARP00000112315	DET1 and DDB1 associated 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2137]	dda1
ENSDARG00000059836	ENSDARP00000078063	DNA-damage-inducible transcript 3 [Source:ZFIN;Acc:ZDB-GENE-070410-90]	ddit3
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defbl1
ENSDARG00000096380	ENSDARP00000125973	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defbl2
ENSDARG00000097181	ENSDARP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]	defbl3
ENSDARG00000055474	ENSDARP00000072301	dexamethasone-induced transcript [Source:ZFIN;Acc:ZDB-GENE-040808-20]	dexi
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	DLEU7
ENSDARG00000095623	ENSDARP00000119493	dolichol-phosphate (beta-D) mannosyltransferase 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9093]	dpm2
ENSDARG00000058256	ENSDARP00000075541	dorsal inhibitory axon guidance protein [Source:ZFIN;Acc:ZDB-GENE-050913-20]	draxin
ENSDARG00000087681	ENSDARP00000108787	dorsal inhibitory axon guidance protein [Source:HGNC Symbol;Acc:HGNC:25054]	DRAXIN
ENSDARG00000089922	ENSDARP00000104986	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENSDARG00000091663	ENSDARP00000108192	DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23468]	DYDC2
ENSDARG00000046098	ENSDARP00000007796	emopamil binding protein (sterol isomerase) [Source:ZFIN;Acc:ZDB-GENE-040718-12]	ebp
ENSDARG00000036636	ENSDARP00000113494	emopamil binding protein-like [Source:ZFIN;Acc:ZDB-GENE-030616-542]	ebpl
ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSDARG00000062289	ENSDARP00000084349	EDAR-associated death domain [Source:ZFIN;Acc:ZDB-GENE-050114-5]	edaradd
ENSDARG00000092825	ENSDARP00000129539	EF-hand calcium binding domain 10 [Source:HGNC Symbol;Acc:HGNC:34531]	EFCAB10
ENSDARG00000042937	ENSDARP00000098468	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HGNC:24204]	EFCAB6
ENSDARG00000068831	ENSDARP00000090467	EGF-like-domain, multiple 6 [Source:ZFIN;Acc:ZDB-GENE-040718-157]	egfl6
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	eln
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000067918	ENSDARP00000088643	elongator acetyltransferase complex subunit 5 [Source:ZFIN;Acc:ZDB-GENE-061215-33]	elp5
ENSDARG00000070242	ENSDARP00000093713	endonuclease domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29129]	ENDOD1
ENSDARG00000094578	ENSDARP00000115913	epithelial stromal interaction 1 [Source:ZFIN;Acc:ZDB-GENE-081104-172]	epsti1

ENSDARG00000090936	ENSDARP00000106252	glutamate-rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]	ERICH2
ENSDARG00000074915	ENSDARP00000126690	Ewing tumor-associated antigen 1 [Source:ZFIN;Acc:ZDB-GENE-080204-12]	etaa1
ENSDARG00000042727	ENSDARP00000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	EXOS
ENSDARG00000045422	ENSDARP00000066793	family with sequence similarity 105, member B, a [Source:ZFIN;Acc:ZDB-GENE-040426-2157]	fam105ba
ENSDARG00000002685	ENSDARP00000003320	family with sequence similarity 113 [Source:ZFIN;Acc:ZDB-GENE-041212-23]	fam113
ENSDARG00000040148	ENSDARP00000058723	family with sequence similarity 136, member A [Source:ZFIN;Acc:ZDB-GENE-040426-2729]	fam136a
ENSDARG00000074387	ENSDARP00000124157	family with sequence similarity 150, member A [Source:HGNC Symbol;Acc:HGNC:33775]	FAM150A
ENSDARG00000091073	ENSDARP00000111041	family with sequence similarity 150, member Ba [Source:ZFIN;Acc:ZDB-GENE-100922-116]	fam150ba
ENSDARG00000042815	ENSDARP00000062843	family with sequence similarity 150, member Bb [Source:ZFIN;Acc:ZDB-GENE-111115-2]	fam150bb
ENSDARG00000006474	ENSDARP00000053859	family with sequence similarity 154, member B [Source:ZFIN;Acc:ZDB-GENE-051127-27]	fam154b
ENSDARG00000089742	ENSDARP00000110366	family with sequence similarity 161, member A [Source:HGNC Symbol;Acc:HGNC:25808]	FAM161A
ENSDARG00000089467	ENSDARP00000111624	family with sequence similarity 161, member B [Source:ZFIN;Acc:ZDB-GENE-120928-1]	fam161b
ENSDARG00000078871	ENSDARP00000099646	family with sequence similarity 166, member B [Source:ZFIN;Acc:ZDB-GENE-070209-41]	fam166b
ENSDARG00000068709	ENSDARP00000123345	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSDARG00000087144	ENSDARP00000110223	family with sequence similarity 183, member B [Source:HGNC Symbol;Acc:HGNC:34511]	FAM183B
ENSDARG00000059671	ENSDARP00000077608	family with sequence similarity 189, member A2 [Source:ZFIN;Acc:ZDB-GENE-050309-90]	fam189a2
ENSDARG00000039699	ENSDARP00000058031	family with sequence similarity 204, member A [Source:ZFIN;Acc:ZDB-GENE-040718-271]	fam204a
ENSDARG00000088505	ENSDARP00000109102	family with sequence similarity 217, member B [Source:ZFIN;Acc:ZDB-GENE-090313-236]	fam217b
ENSDARG00000091799	ENSDARP00000107667	family with sequence similarity 217, member B [Source:HGNC Symbol;Acc:HGNC:16170]	FAM217B
ENSDARG00000042936	ENSDARP00000063033	family with sequence similarity 228, member A [Source:ZFIN;Acc:ZDB-GENE-041014-83]	fam228a
ENSDARG00000062965	ENSDARP00000086028	family with sequence similarity 45, member A [Source:ZFIN;Acc:ZDB-GENE-030131-3548]	fam45a
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000035193	ENSDARP00000050978	family with sequence similarity 81, member B [Source:HGNC Symbol;Acc:HGNC:26335]	FAM81B
ENSDARG00000019250	ENSDARP00000003084	Fanconi anemia, complementation group F [Source:ZFIN;Acc:ZDB-GENE-060306-3]	fancf
ENSDARG00000090482	ENSDARP00000109015	Fas (TNFRSF6) binding factor 1 [Source:HGNC Symbol;Acc:HGNC:24674]	FBF1
ENSDARG00000054222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8 [Source:ZFIN;Acc:ZDB-GENE-051120-81]	fbxl8
ENSDARG00000010662	ENSDARP00000028616	F-box protein 36a [Source:ZFIN;Acc:ZDB-GENE-060929-986]	fbxo36a
ENSDARG00000039152	ENSDARP00000116692	F-box protein 36b [Source:ZFIN;Acc:ZDB-GENE-060825-271]	fbxo36b
ENSDARG00000086184	ENSDARP00000129519	F-box protein 48 [Source:HGNC Symbol;Acc:HGNC:33857]	FBXO48
ENSDARG00000091660	ENSDARP00000105647	fibroblast growth factor binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-081106-1]	fgfbp1
ENSDARG00000075132	ENSDARP00000097494	fumarate hydratase [Source:ZFIN;Acc:ZDB-GENE-010724-6]	fh
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]	FHAD1
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000090001	ENSDARP00000105674	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEB3]	FP015790.3
ENSDARG00000093910	ENSDARP00000120136	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QH16]	FP015791.1
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EKK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089782	ENSDARP00000111046	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH24]	FP102192.1
ENSDARG00000074247	ENSDARP00000100398	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RCM0]	FP102786.1
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000086465	ENSDARP00000106216	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLZ9]	FP236513.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000088553	ENSDARP00000109186	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QG55]	FP243385.3
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GX4]	FP245465.2
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9G292]	FP245465.3
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ43]	FP245472.1
ENSDARG00000088247	ENSDARP00000106989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC28]	FP245511.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsp1
ENSDARG00000095094	ENSDARP00000120484	FXYD domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fyxd6
ENSDARG00000097057	ENSDARP00000127704	FXYD domain containing ion transport regulator 6 like [Source:ZFIN;Acc:ZDB-GENE-071205-8]	fyxd6l
ENSDARG00000078859	ENSDARP00000101157	G0/G1 switch gene 2 [Source:ZFIN;Acc:ZDB-GENE-081022-103]	g0s2
ENSDARG00000039338	ENSDARP00000115136	growth arrest and DNA-damage-inducible, gamma interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-091204-282]	gadd45gip1
ENSDARG00000091377	ENSDARP00000128202	galanin/GMAP prepropeptide [Source:ZFIN;Acc:ZDB-GENE-111117-2]	galn
ENSDARG00000089310	ENSDARP00000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSDARG00000097155	ENSDARP00000128968	GDP-D-glucose phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:34360]	GDPGP1
ENSDARG00000041011	ENSDARP00000060097	gem (nuclear organelle) associated protein 7 [Source:HGNC Symbol;Acc:HGNC:20045]	GEMIN7
ENSDARG00000055086	ENSDARP00000108530	gametogenetin binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-060929-52]	ggnbp2
ENSDARG00000055569	ENSDARP00000122067	GH3 domain containing [Source:ZFIN;Acc:ZDB-GENE-050208-165]	ghdc
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000075757	ENSDARP00000100657	grass carp reovirus (GCRV)-induced gene 2e [Source:ZFIN;Acc:ZDB-GENE-130517-2]	gig2e
ENSDARG00000069770	ENSDARP00000092562	grass carp reovirus (GCRV)-induced gene 2i [Source:ZFIN;Acc:ZDB-GENE-120409-1]	gig2i
ENSDARG00000069769	ENSDARP00000092560	grass carp reovirus (GCRV)-induced gene 2j [Source:ZFIN;Acc:ZDB-GENE-081022-181]	gig2j
ENSDARG00000091730	ENSDARP00000105320	grass carp reovirus (GCRV)-induced gene 2l [Source:ZFIN;Acc:ZDB-GENE-130517-7]	gig2l
ENSDARG00000086903	ENSDARP00000108924	grass carp reovirus (GCRV)-induced gene 2o [Source:ZFIN;Acc:ZDB-GENE-130517-8]	gig2o
ENSDARG00000088260	ENSDARP00000114068	grass carp reovirus (GCRV)-induced gene 2p [Source:ZFIN;Acc:ZDB-GENE-070705-490]	gig2p
ENSDARG00000086378	ENSDARP00000110803	grass carp reovirus (GCRV)-induced gene 2q [Source:ZFIN;Acc:ZDB-GENE-130517-9]	gig2q
ENSDARG00000021975	ENSDARP00000039045	glycoprotein integral membrane 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5900]	ginn1
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000091241	ENSDARP00000109282	glycosyltransferase 1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26483]	GLT1D1
ENSDARG00000068719	ENSDARP00000090270	geminin coiled-coil domain containing [Source:ZFIN;Acc:ZDB-GENE-121211-1]	gmnc
ENSDARG00000038700	ENSDARP00000056518	G protein-coupled receptor 160 [Source:ZFIN;Acc:ZDB-GENE-081022-189]	gpr160
ENSDARG00000077983	ENSDARP00000101720	G protein-coupled receptor 89A [Source:HGNC Symbol;Acc:HGNC:31984]	GPR89A
ENSDARG00000089584	ENSDARP00000105742	G protein-coupled receptor 98 [Source:HGNC Symbol;Acc:HGNC:17416]	GPR98
ENSDARG00000090051	ENSDARP00000110502	G protein-coupled receptor, class C, group 5, member A [Source:HGNC Symbol;Acc:HGNC:9836]	GPRC5A
ENSDARG00000086973	ENSDARP00000108308	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]	GPRIN1

ENSDARG00000075043	ENSDARP00000100162	GPRIN family member 3 [Source:HGNC Symbol;Acc:HGNC:27733]	GPRIN3
ENSDARG00000078754	ENSDARP00000098356	granulito [Source:ZFIN;Acc:ZDB-GENE-081022-203]	gra
ENSDARG00000043074	ENSDARP00000063243	gastrin-releasing peptide [Source:ZFIN;Acc:ZDB-GENE-060526-117]	grp
ENSDARG00000010021	ENSDARP00000026495	GrpE-like 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-051120-111]	grpel1
ENSDARG00000069421	ENSDARP00000091810	GrpE-like 2, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-091204-188]	grpel2
ENSDARG00000075301	ENSDARP00000104184	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSDARG00000092290	ENSDARP00000118059	germ cell associated 2 (haspin) [Source:HGNC Symbol;Acc:HGNC:19682]	GSG2
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000053227	ENSDARP00000069720	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSDARG00000019156	ENSDARP00000056628	HAUS augmin-like complex, subunit 5 [Source:ZFIN;Acc:ZDB-GENE-041114-150]	haus5
ENSDARG00000091031	ENSDARP00000111597	HAUS augmin-like complex, subunit 8 [Source:HGNC Symbol;Acc:HGNC:30532]	HAUS8
ENSDARG00000092074	ENSDARP00000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000037346	ENSDARP00000054334	histone deacetylase 11 [Source:ZFIN;Acc:ZDB-GENE-040704-7]	hdac11
ENSDARG00000087573	ENSDARP00000109681	histone deacetylase 11 [Source:HGNC Symbol;Acc:HGNC:19086]	HDAC11
ENSDARG00000079382	ENSDARP00000102393	highly divergent homeobox [Source:HGNC Symbol;Acc:HGNC:26411]	HDX
ENSDARG00000078148	ENSDARP00000099975	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26013]	HEATR2
ENSDARG00000036076	ENSDARP00000052367	HEAT repeat containing 3 [Source:ZFIN;Acc:ZDB-GENE-040426-1876]	heatr3
ENSDARG00000090753	ENSDARP00000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000090715	ENSDARP00000108360	HECT domain containing E3 ubiquitin protein ligase 4 [Source:HGNC Symbol;Acc:HGNC:26611]	HECTD4
ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	helb
ENSDARG00000077804	ENSDARP00000103306	heparan-alpha-glucosaminide N-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:26527]	HGSNAT
ENSDARG00000087842	ENSDARP00000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSDARG00000077445	ENSDARP00000006379	huntingtin interacting protein 1 related a [Source:ZFIN;Acc:ZDB-GENE-040718-71]	hip1ra
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmga1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmgn2
ENSDARG00000036754	ENSDARP00000113097	high mobility group nucleosomal binding domain 3 [Source:ZFIN;Acc:ZDB-GENE-041114-180]	hmgn3
ENSDARG00000091401	ENSDARP00000111876	HMG box domain containing 4b [Source:ZFIN;Acc:ZDB-GENE-030131-450]	hmgxb4b
ENSDARG00000095807	ENSDARP00000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000013581	ENSDARP00000026509	Hermansky-Pudlak syndrome 6 [Source:HGNC Symbol;Acc:HGNC:18817]	HPS6
ENSDARG00000045947	ENSDARP00000126909	histidine rich calcium binding protein [Source:HGNC Symbol;Acc:HGNC:5178]	HRC
ENSDARG00000034222	ENSDARP00000043665	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	HS1BP3
ENSDARG00000030166	ENSDARP00000044088	hydroxypyruvate isomerase [Source:ZFIN;Acc:ZDB-GENE-040426-1273]	hyi
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000087131	ENSDARP00000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnphi2
ENSDARG00000070676	ENSDARP00000094768	interferon phi 3 [Source:ZFIN;Acc:ZDB-GENE-071128-2]	ifnphi3
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000031049	ENSDARP00000108187	immunoglobulin superfamily, member 21a [Source:ZFIN;Acc:ZDB-GENE-050809-118]	igsf21a
ENSDARG00000069504	ENSDARP00000091990	interleukin 12B [Source:HGNC Symbol;Acc:HGNC:5970]	IL12B
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000093311	ENSDARP00000116240	interleukin 17 receptor A2 [Source:ZFIN;Acc:ZDB-GENE-060503-869]	il17ra2
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000069128	ENSDARP00000091145	interleukin 34 [Source:ZFIN;Acc:ZDB-GENE-050419-150]	il34
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000031051	ENSDARP00000102530	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSDARG00000054128	ENSDARP00000128415	im:7136021 [Source:ZFIN;Acc:ZDB-GENE-041008-74]	im:7136021
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000069287	ENSDARP00000091482	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-1062]	imp3
ENSDARG00000028523	ENSDARP00000038879	ints3 and nabp interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-961]	inip
ENSDARG00000077189	ENSDARP00000100119	integrator complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:29352]	INTS5
ENSDARG00000058525	ENSDARP00000075835	IQ motif containing B1 [Source:ZFIN;Acc:ZDB-GENE-041212-47]	iqcb1
ENSDARG00000093431	ENSDARP00000114173	IQ motif containing B1 [Source:HGNC Symbol;Acc:HGNC:28949]	IQCB1
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000035551	ENSDARP00000051530	IQ motif containing D [Source:ZFIN;Acc:ZDB-GENE-060526-200]	iqcd
ENSDARG00000068678	ENSDARP00000090196	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	IQCG
ENSDARG00000015476	ENSDARP00000074143	IQ motif containing H [Source:ZFIN;Acc:ZDB-GENE-050419-242]	iqch
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000007534	ENSDARP00000110426	intelectin 1 [Source:ZFIN;Acc:ZDB-GENE-060929-564]	itln1
ENSDARG00000036084	ENSDARP00000052386	intelectin 2 [Source:ZFIN;Acc:ZDB-GENE-050411-58]	itln2
ENSDARG00000003523	ENSDARP00000104852	intelectin 3 [Source:ZFIN;Acc:ZDB-GENE-090527-4]	itln3

ENSDARG00000053630	ENSDARP00000070650	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F413]	ITLN4
ENSDARG00000015576	ENSDARP00000009775	inositol 1,4,5-triphosphate receptor interacting protein [Source:ZFIN;Acc:ZDB-GENE-050417-422]	itrip
ENSDARG00000054688	ENSDARP00000071393	inositol 1,4,5-triphosphate receptor interacting protein-like 2 [Source:HGNC Symbol;Acc:HGNC:27257]	ITPR1L2
ENSDARG00000070150	ENSDARP00000093477	jumping translocation breakpoint [Source:ZFIN;Acc:ZDB-GENE-060503-674]	jtb
ENSDARG00000090895	ENSDARP00000112084	KAT8 regulatory NSL complex subunit 1a [Source:ZFIN;Acc:ZDB-GENE-121219-5]	kansl1a
ENSDARG00000088238	ENSDARP00000129106	KAT8 regulatory NSL complex subunit 1b [Source:ZFIN;Acc:ZDB-GENE-121219-4]	kansl1b
ENSDARG00000075284	ENSDARP00000103738	KAT8 regulatory NSL complex subunit 1-like [Source:ZFIN;Acc:ZDB-GENE-081104-473]	kansl1l
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077985	ENSDARP00000098871	kisspeptin 2 [Source:ZFIN;Acc:ZDB-GENE-090526-1]	kiss2
ENSDARG00000079753	ENSDARP00000102994	kizuna centrosomal protein [Source:HGNC Symbol;Acc:HGNC:15865]	KIZ
ENSDARG00000011246	ENSDARP00000104494	KRR1, small subunit (SSU) processome component, homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060623-10]	kr1
ENSDARG00000070386	ENSDARP00000093996	keratinocyte associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-060825-91]	krtp2
ENSDARG00000051934	ENSDARP00000068138	KxDL motif containing 1 [Source:ZFIN;Acc:ZDB-GENE-040801-207]	kxd1
ENSDARG00000074036	ENSDARP00000097688	kyphoscoliosis peptidase [Source:ZFIN;Acc:ZDB-GENE-090313-64]	ky
ENSDARG00000096343	ENSDARP00000126026	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	KYNU
ENSDARG00000094801	ENSDARP00000117579	l(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	l3mbtl1
ENSDARG00000087377	ENSDARP00000108481	limb bud and heart development [Source:HGNC Symbol;Acc:HGNC:29532]	LBH
ENSDARG00000076153	ENSDARP00000115551	Leber congenital amaurosis 5 [Source:ZFIN;Acc:ZDB-GENE-090313-268]	lca5
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000086879	ENSDARP00000110453	lines homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:30922]	LINS
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRIF1
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRC49
ENSDARG00000036412	ENSDARP00000052897	leucine rich repeat containing 71 [Source:HGNC Symbol;Acc:HGNC:26556]	LRRC71
ENSDARG00000078611	ENSDARP00000113601	leucine-rich repeats and IQ motif containing 3 [Source:ZFIN;Acc:ZDB-GENE-081104-400]	Lrriq3
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000068247	ENSDARP00000113593	leucine zipper protein 2 [Source:ZFIN;Acc:ZDB-GENE-060503-278]	luzp2
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000078352	ENSDARP00000103510	LYR motif containing 4 [Source:ZFIN;Acc:ZDB-GENE-081104-295]	lyrm4
ENSDARG00000075528	ENSDARP00000100356	LYR motif containing 9 [Source:ZFIN;Acc:ZDB-GENE-081022-28]	lyrm9
ENSDARG00000035435	ENSDARP00000118596	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSDARG00000032601	ENSDARP00000116255	MACRO domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1490]	macro2
ENSDARG00000091079	ENSDARP00000105998	mitochondrial assembly of ribosomal large subunit 1 [Source:HGNC Symbol;Acc:HGNC:21721]	MALU1
ENSDARG00000076326	ENSDARP00000097846	mastermind-like 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16259]	MAML2
ENSDARG00000059853	ENSDARP00000078103	mannosidase, beta A, lysosomal-like [Source:HGNC Symbol;Acc:HGNC:15799]	MANBAL
ENSDARG00000036851	ENSDARP00000124905	MANSC domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070209-77]	mansc1
ENSDARG00000037276	ENSDARP00000054224	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSDARG00000069733	ENSDARP00000112479	mitochondrial antiviral signaling protein [Source:ZFIN;Acc:ZDB-GENE-070112-1402]	mavs
ENSDARG00000021572	ENSDARP00000036480	Mab-21 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-090313-23]	mb21d1
ENSDARG00000019364	ENSDARP0000013291	MAP3K12 binding inhibitory protein 1 [Source:ZFIN;Acc:ZDB-GENE-060810-43]	mbip
ENSDARG00000036186	ENSDARP00000126314	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSDARG00000087450	ENSDARP00000107850	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6935]	MCC
ENSDARG00000045675	ENSDARP00000116078	transformed 3T3 cell double minute 1 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041210-117]	mdm1
ENSDARG00000088040	ENSDARP00000108620	magnesium-dependent phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28781]	MDP1
ENSDARG00000069337	ENSDARP00000066153	mediator complex subunit 11 [Source:ZFIN;Acc:ZDB-GENE-091207-2]	med11
ENSDARG00000041237	ENSDARP00000060446	mediator of RNA polymerase II transcription, subunit 18 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-1276]	med18
ENSDARG00000090972	ENSDARP00000106498	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSDARG00000043912	ENSDARP00000064482	meiosis-specific, MEI4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040724-211]	mei4
ENSDARG00000045705	ENSDARP00000067188	meiosis expressed gene 1 homolog [Source:ZFIN;Acc:ZDB-GENE-050320-33]	meig1
ENSDARG00000074588	ENSDARP00000104104	methyltransferase like 18 [Source:HGNC Symbol;Acc:HGNC:28793]	METTL18
ENSDARG00000091324	ENSDARP00000107054	major facilitator superfamily domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-050522-300]	mfsd7
ENSDARG00000088346	ENSDARP00000109847	migration and invasion inhibitory protein [Source:HGNC Symbol;Acc:HGNC:25715]	MIIP
ENSDARG00000035333	ENSDARP00000051197	MIS18 kinetochore protein homolog A (S. pombe) [Source:ZFIN;Acc:ZDB-GENE-091204-314]	mis18a
ENSDARG00000086655	ENSDARP00000105350	MKRN2 opposite strand [Source:HGNC Symbol;Acc:HGNC:40375]	MKRN2OS
ENSDARG00000071026	ENSDARP00000095520	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	mlt11
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mplkip
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000074763	ENSDARP00000124181	melanocortin 2 receptor accessory protein 2a [Source:ZFIN;Acc:ZDB-GENE-100729-3]	mrp2a
ENSDARG00000028894	ENSDARP00000048868	MRG/MORF4L binding protein [Source:ZFIN;Acc:ZDB-GENE-040426-1698]	mrGBP
ENSDARG0000007285	ENSDARP00000119580	mitochondrial ribosomal protein 63 [Source:ZFIN;Acc:ZDB-GENE-040426-1745]	mrp63
ENSDARG00000041338	ENSDARP00000060591	mitochondrial ribosomal protein L15 [Source:ZFIN;Acc:ZDB-GENE-040801-168]	mrp15
ENSDARG00000043554	ENSDARP00000063942	mitochondrial ribosomal protein L40 [Source:ZFIN;Acc:ZDB-GENE-040912-37]	mrp40
ENSDARG0000008920	ENSDARP00000025933	mitochondrial ribosomal protein L53 [Source:HGNC Symbol;Acc:HGNC:16684]	MRPL53
ENSDARG00000043402	ENSDARP00000063716	mitochondrial ribosomal protein L55 [Source:HGNC Symbol;Acc:HGNC:16686]	MRPL55
ENSDARG00000070985	ENSDARP00000095428	mitochondrial ribosomal protein S21 [Source:ZFIN;Acc:ZDB-GENE-070615-13]	mrps21
ENSDARG00000018073	ENSDARP00000027370	mitochondrial ribosomal protein S22 [Source:ZFIN;Acc:ZDB-GENE-070615-31]	mrps22
ENSDARG00000033973	ENSDARP00000123077	mitochondrial ribosomal protein S23 [Source:ZFIN;Acc:ZDB-GENE-040801-134]	mrps23
ENSDARG00000041538	ENSDARP00000060897	mitochondrial ribosomal protein S28 [Source:ZFIN;Acc:ZDB-GENE-061110-52]	mrps28
ENSDARG00000020015	ENSDARP00000048674	mitochondrial ribosomal protein S33 [Source:ZFIN;Acc:ZDB-GENE-040715-6]	mrps33
ENSDARG00000039543	ENSDARP00000057773	mitochondrial ribosomal protein S6 [Source:ZFIN;Acc:ZDB-GENE-060825-59]	mrps6
ENSDARG00000043798	ENSDARP00000112751	membrane-spanning 4-domains, subfamily A, member 17A.1 [Source:ZFIN;Acc:ZDB-GENE-050417-307]	ms4a17a.1
ENSDARG00000095695	ENSDARP00000128521	membrane-spanning 4-domains, subfamily A, member 17A.10 [Source:ZFIN;Acc:ZDB-GENE-080829-3]	ms4a17a.10
ENSDARG00000053561	ENSDARP00000024147	membrane-spanning 4-domains, subfamily A, member 17A.11 [Source:ZFIN;Acc:ZDB-GENE-050417-157]	ms4a17a.11
ENSDARG00000094809	ENSDARP00000120959	membrane-spanning 4-domains, subfamily A, member 17A.14 [Source:ZFIN;Acc:ZDB-GENE-070705-363]	ms4a17a.14
ENSDARG00000054898	ENSDARP00000090685	membrane-spanning 4-domains, subfamily A, member 17A.17 [Source:ZFIN;Acc:ZDB-GENE-070424-27]	ms4a17a.17
ENSDARG00000093546	ENSDARP00000007146	membrane-spanning 4-domains, subfamily A, member 17A.2 [Source:ZFIN;Acc:ZDB-GENE-070705-367]	ms4a17a.2

ENSDARG00000019170	ENSDARP00000128604	membrane-spanning 4-domains, subfamily A, member 17A.3 [Source:ZFIN;Acc:ZDB-GENE-080829-1]	ms4a17a.3
ENSDARG00000014024	ENSDARP0000076558	membrane-spanning 4-domains, subfamily A, member 17A.4 [Source:ZFIN;Acc:ZDB-GENE-070822-16]	ms4a17a.4
ENSDARG00000092204	ENSDARP00000115019	membrane-spanning 4-domains, subfamily A, member 17A.5 [Source:ZFIN;Acc:ZDB-GENE-040912-55]	ms4a17a.5
ENSDARG00000007018	ENSDARP0000070084	membrane-spanning 4-domains, subfamily A, member 17A.6 [Source:ZFIN;Acc:ZDB-GENE-070209-265]	ms4a17a.6
ENSDARG00000043796	ENSDARP0000064311	membrane-spanning 4-domains, subfamily A, member 17A.7 [Source:ZFIN;Acc:ZDB-GENE-080829-2]	ms4a17a.7
ENSDARG00000094854	ENSDARP00000116235	membrane-spanning 4-domains, subfamily A, member 17A.8 [Source:ZFIN;Acc:ZDB-GENE-070705-365]	ms4a17a.8
ENSDARG00000043802	ENSDARP00000120897	membrane-spanning 4-domains, subfamily A, member 17A.9 [Source:ZFIN;Acc:ZDB-GENE-050320-79]	ms4a17a.9
ENSDARG00000094643	ENSDARP00000122630	membrane-spanning 4-domains, subfamily A, member 17C.1 [Source:ZFIN;Acc:ZDB-GENE-080829-9]	ms4a17c.1
ENSDARG00000041623	ENSDARP00000061006	membrane-spanning 4-domains, subfamily A, member 17C.2 [Source:ZFIN;Acc:ZDB-GENE-080829-10]	ms4a17c.2
ENSDARG00000018040	ENSDARP00000127826	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils [Source:ZFIN;Acc:ZDB-GENE-121023-2]	msantd4
ENSDARG00000074930	ENSDARP00000117235	microseminoprotein, prostate associated [Source:HGNC Symbol;Acc:HGNC:29663]	MSMP
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000032111	ENSDARP0000040997	mitochondrial fission process 1 [Source:HGNC Symbol;Acc:HGNC:26945]	MTFP1
ENSDARG00000042465	ENSDARP00000062271	5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) [Source:HGNC Symbol;Acc:HGNC:7437]	MTHFS
ENSDARG00000074505	ENSDARP00000098753	maturin, neural progenitor differentiation regulator homolog (Xenopus) [Source:ZFIN;Acc:ZDB-GENE-081104-127]	mturn
ENSDARG00000098086	ENSDARP00000109538	musculoskeletal, embryonic nuclear protein 1 (mustn1), mRNA [Source:RefSeq mRNA;Acc:NM_001197053]	MUSTN1
ENSDARG00000054026	ENSDARP0000070638	musculoskeletal, embryonic nuclear protein 1a [Source:ZFIN;Acc:ZDB-GENE-111129-3]	mustn1a
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvdb
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000096668	ENSDARP00000126983	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:HGNC:33830]	MZT1
ENSDARG00000057928	ENSDARP00000122770	mitotic spindle organizing protein 2B [Source:ZFIN;Acc:ZDB-GENE-040801-87]	mtz2b
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000068590	ENSDARP00000101635	N-acetyltransferase 6 (GCN5-related) [Source:HGNC Symbol;Acc:HGNC:30252]	NAT6
ENSDARG00000086907	ENSDARP00000108612	nuclear cap binding protein subunit 1, 80kDa [Source:HGNC Symbol;Acc:HGNC:7658]	NCBP1
ENSDARG00000033134	ENSDARP00000067396	NADH dehydrogenase (ubiquinone) complex I, assembly factor 7 [Source:ZFIN;Acc:ZDB-GENE-060929-628]	ndufaf7
ENSDARG00000087456	ENSDARP00000105840	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa [Source:HGNC Symbol;Acc:HGNC:7695]	NDUFB1
ENSDARG00000043467	ENSDARP00000063816	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11 [Source:ZFIN;Acc:ZDB-GENE-050309-25]	ndufb11
ENSDARG00000058893	ENSDARP00000076289	nonhomologous end-joining factor 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2515]	nhej1
ENSDARG00000036749	ENSDARP00000053360	novel immune-type receptor 11a [Source:ZFIN;Acc:ZDB-GENE-041001-3]	nitr11a
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkdl3
ENSDARG00000020332	ENSDARP00000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000075944	ENSDARP00000097529	neuromedin 5 [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000043299	ENSDARP00000063567	neuromedin U [Source:ZFIN;Acc:ZDB-GENE-041001-111]	nmu
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000045016	ENSDARP00000066178	neuropeptide FF-amide peptide precursor like [Source:ZFIN;Acc:ZDB-GENE-030806-1]	npffl
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000044096	ENSDARP00000064747	nuclear receptor binding factor 2 [Source:HGNC Symbol;Acc:HGNC:19692]	NRBF2
ENSDARG00000023591	ENSDARP00000029558	nuclear receptor binding factor 2b [Source:ZFIN;Acc:ZDB-GENE-040718-357]	nrbf2b
ENSDARG00000068965	ENSDARP00000114091	nuclear receptor interacting protein 1a [Source:ZFIN;Acc:ZDB-GENE-040723-8]	nrip1a
ENSDARG00000068894	ENSDARP00000090572	nuclear receptor interacting protein 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4173]	nrip1b
ENSDARG00000079985	ENSDARP00000100294	nuclear receptor interacting protein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9425]	nrip2
ENSDARG00000071860	ENSDARP00000097397	neuritin 1a [Source:ZFIN;Acc:ZDB-GENE-040718-212]	nrn1a
ENSDARG00000042656	ENSDARP00000062572	neuritin 1b [Source:ZFIN;Acc:ZDB-GENE-041010-98]	nrn1b
ENSDARG00000069368	ENSDARP00000091658	neuritin 1-like a [Source:ZFIN;Acc:ZDB-GENE-050419-106]	nrn1la
ENSDARG00000061149	ENSDARP00000081339	neuritin 1-like b [Source:ZFIN;Acc:ZDB-GENE-081022-27]	nrn1lb
ENSDARG00000057887	ENSDARP00000075084	neurotensin [Source:ZFIN;Acc:ZDB-GENE-091204-433]	nts
ENSDARG00000012777	ENSDARP00000018018	nuclear casein kinase and cyclin-dependent kinase substrate 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4544]	nucks1b
ENSDARG00000041576	ENSDARP00000060954	nudix (nucleoside diphosphate linked moiety X)-type motif 18 [Source:ZFIN;Acc:ZDB-GENE-050417-388]	nudt18
ENSDARG00000075693	ENSDARP00000101596	nuclear fragile X mental retardation protein interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8057]	NUFIP1
ENSDARG00000058672	ENSDARP00000076025	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:33550]	NUGGC
ENSDARG00000061928	ENSDARP00000017620	nuclear mitotic apparatus protein 1 [Source:ZFIN;Acc:ZDB-GENE-110517-1]	numa1
ENSDARG00000086540	ENSDARP00000106063	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:HGNC:8059]	NUMA1
ENSDARG00000003235	ENSDARP00000025718	nucleoporin 88 [Source:ZFIN;Acc:ZDB-GENE-050522-297]	nup88
ENSDARG00000094557	ENSDARP00000119975	nuclear protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4653]	nupr1
ENSDARG00000027813	ENSDARP00000034808	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-48]	nus1
ENSDARG00000074416	ENSDARP00000104371	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSDARG00000000529	ENSDARP00000000952	oral-facial-digital syndrome 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5427]	ofdl
ENSDARG00000078481	ENSDARP00000100959	2-oxoglutarate and iron-dependent oxygenase domain containing 3 [Source:HGNC Symbol;Acc:HGNC:26174]	OGFOD3
ENSDARG00000093597	ENSDARP00000122996	opa interacting protein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-328]	oip5
ENSDARG00000044475	ENSDARP00000065312	olfactory marker protein a [Source:ZFIN;Acc:ZDB-GENE-050626-118]	ompa
ENSDARG00000032380	ENSDARP00000110441	olfactory marker protein b [Source:ZFIN;Acc:ZDB-GENE-030103-1]	ompb
ENSDARG00000059315	ENSDARP00000076841	olfactory receptor class A related 3 [Source:ZFIN;Acc:ZDB-GENE-100721-3]	ora3
ENSDARG00000078223	ENSDARP00000097647	olfactory receptor class A related 4 [Source:ZFIN;Acc:ZDB-GENE-100721-6]	ora4
ENSDARG00000078257	ENSDARP00000101277	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000075682	ENSDARP00000101426	origin recognition complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2976]	orc6
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000069808	ENSDARP00000119392	osteopetrosis associated transmembrane protein 1 [Source:ZFIN;Acc:ZDB-GENE-081104-270]	ostm1
ENSDARG00000054055	ENSDARP00000070674	osteocrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000091429	ENSDARP00000127114	oxidoreductase-like domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-130603-23]	oxid1
ENSDARG00000055875	ENSDARP00000072730	ZDB-PUB-030905-1 [Source:ZFIN;Acc:ZDB-GENE-060503-586]	pag1
ENSDARG00000076716	ENSDARP00000107630	partner and localizer of BRCA2 [Source:ZFIN;Acc:ZDB-GENE-090313-43]	palb2

ENSDARG00000071215	ENSDARP00000062739	paralemm3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000016704	ENSDARP00000115236	phenazine biosynthesis-like protein domain containing [Source:HGNC Symbol;Acc:HGNC:23301]	PBLD
ENSDARG00000053130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG00000087386	ENSDARP00000105340	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp41i
ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSDARG00000092546	ENSDARP00000066392	pdgfa associated protein 1a [Source:ZFIN;Acc:ZDB-GENE-030131-1693]	pdap1a
ENSDARG00000002967	ENSDARP00000021565	pdgfa associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-040426-942]	pdap1b
ENSDARG00000053609	ENSDARP00000070141	Parkinson disease 7 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-051030-96]	pdcc1
ENSDARG00000045017	ENSDARP00000088896	p53 and DNA-damage regulated 1 [Source:ZFIN;Acc:ZDB-GENE-050417-276]	pdrg1
ENSDARG00000079313	ENSDARP00000100297	proline, glutamate and leucine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:30134]	PELP1
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000037108	ENSDARP00000053935	prefoldin subunit 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1589]	pdfn6
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000089539	ENSDARP00000110112	piggyBac transposable element derived 4 [Source:HGNC Symbol;Acc:HGNC:19401]	PGBD4
ENSDARG00000053133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000097071	ENSDARP00000128738	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PIFO
ENSDARG00000038805	ENSDARP00000056671	phosphatidylinositol glycan, class P [Source:ZFIN;Acc:ZDB-GENE-030131-4041]	pigp
ENSDARG00000014849	ENSDARP00000017232	PIH1 domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-041212-54]	pih1d2
ENSDARG00000038612	ENSDARP00000056374	PIH1 domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-040722-2]	pih1d3
ENSDARG00000089606	ENSDARP00000105519	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1714]	pin1
ENSDARG00000056638	ENSDARP00000118365	pirin [Source:ZFIN;Acc:ZDB-GENE-040718-288]	pir
		PITH (C-terminal proteasome-interacting domain of thioredoxin-like) domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25022]	PITHD1
ENSDARG00000032211	ENSDARP00000047635	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Source:ZFIN;Acc:ZDB-GENE-050302-97]	pkig
ENSDARG00000086471	ENSDARP00000107936	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG00000092513	ENSDARP00000113826	pleckstrin homology domain containing, family D (with coiled-coil domains) member 1 [Source:ZFIN;Acc:ZDB-GENE-130926-1]	plekhd1
ENSDARG00000091349	ENSDARP00000110527	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000097426	ENSDARP00000115640	proteolipid protein 2 (colonic epithelium-enriched) [Source:HGNC Symbol;Acc:HGNC:9087]	PLP2
ENSDARG00000042972	ENSDARP00000090684	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000089307	ENSDARP00000105705	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000087389	ENSDARP00000105222	phosphomannosutase 1 [Source:HGNC Symbol;Acc:HGNC:9114]	PMM1
ENSDARG00000038398	ENSDARP00000056034	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 2 [Source:ZFIN;Acc:ZDB-GENE-030131-5475]	pnrc2
ENSDARG00000053291	ENSDARP00000113947	premature ovarian failure, 1B [Source:ZFIN;Acc:ZDB-GENE-030131-4287]	po1b1
ENSDARG00000054060	ENSDARP00000107104	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG00000079632	ENSDARP00000119350	polymerase (RNA) II (DNA directed) polypeptide K [Source:ZFIN;Acc:ZDB-GENE-070820-18]	poir2k
ENSDARG00000075616	ENSDARP00000099037	polymerase (RNA) II (DNA directed) polypeptide L [Source:ZFIN;Acc:ZDB-GENE-050522-181]	poir2l
ENSDARG00000058349	ENSDARP00000075655	polymerase (RNA) II (DNA directed) polypeptide M [Source:HGNC Symbol;Acc:HGNC:14862]	POLR2M
ENSDARG00000074968	ENSDARP00000103340	protein phosphatase 1, regulatory (inhibitor) subunit 11 [Source:ZFIN;Acc:ZDB-GENE-050417-99]	ppp1r11
ENSDARG00000036063	ENSDARP00000052351	protein phosphatase 1, regulatory subunit 15A [Source:ZFIN;Acc:ZDB-GENE-030131-4408]	ppp1r15a
ENSDARG00000069135	ENSDARP00000091169	protein phosphatase 1, regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	PPP1R15B
ENSDARG00000068128	ENSDARP00000105210	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000068636	ENSDARP00000090124	protein phosphatase 1, regulatory subunit 32 [Source:ZFIN;Acc:ZDB-GENE-120913-1]	ppp1r32
ENSDARG00000089183	ENSDARP00000128565	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSDARG00000068916	ENSDARP00000059871	PRAME family member 1 [Source:HGNC Symbol;Acc:HGNC:28840]	PRAMEF1
ENSDARG00000036493	ENSDARP00000053010	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000078168	ENSDARP00000103006	prolactin releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-091204-205]	prlh2
ENSDARG00000071735	ENSDARP00000097066	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000026229	ENSDARP00000030466	proline and serine rich 1 [Source:HGNC Symbol;Acc:HGNC:20291]	PROSER1
ENSDARG00000086302	ENSDARP00000106355	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSDARG00000097591	ENSDARP00000128306	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prr11
ENSDARG00000087393	ENSDARP00000076880	proline rich 15-like a [Source:ZFIN;Acc:ZDB-GENE-040801-218]	prr15la
ENSDARG00000025615	ENSDARP00000033094	proline rich 15-like b [Source:ZFIN;Acc:ZDB-GENE-050417-201]	prr15lb
ENSDARG00000029308	ENSDARP00000048857	proline rich 18 [Source:ZFIN;Acc:ZDB-GENE-081107-6]	prr18
ENSDARG00000093768	ENSDARP00000118798	proline-rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]	PRRT3
ENSDARG00000077087	ENSDARP00000102237	proline-rich transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37280]	PRRT4
ENSDARG00000088343	ENSDARP00000108434	proteasome (prosome, macropain) inhibitor subunit 1 [Source:ZFIN;Acc:ZDB-GENE-040718-282]	psmf1
ENSDARG00000022652	ENSDARP00000106797	proteasome (prosome, macropain) assembly chaperone 4 [Source:HGNC Symbol;Acc:HGNC:21108]	PSMG4
ENSDARG00000090191	ENSDARP00000108022	Uncharacterized protein [Source:UniProtKB/TR/EMBL;Acc:E7F0R8]	PTCHD2
ENSDARG00000036999	ENSDARP00000053767	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000021113	ENSDARP00000090993	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000079193	ENSDARP00000103236	PYD and CARD domain containing [Source:ZFIN;Acc:ZDB-GENE-000511-2]	pycard
ENSDARG00000040076	ENSDARP00000055920	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSDARG00000045853	ENSDARP00000067385	retinoblastoma binding protein 9 [Source:ZFIN;Acc:ZDB-GENE-050208-692]	rbbp9
ENSDARG00000040713	ENSDARP00000095196	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rbfa
ENSDARG00000073705	ENSDARP00000114038	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000069758	ENSDARP00000092541	RNA binding protein with multiple splicing [Source:HGNC Symbol;Acc:HGNC:19097]	RBPM5
ENSDARG00000088558	ENSDARP00000106087	RNA binding protein with multiple splicing 2a [Source:ZFIN;Acc:ZDB-GENE-040718-106]	rbpms2a
ENSDARG00000045930	ENSDARP00000067513	RNA binding protein with multiple splicing 2b [Source:ZFIN;Acc:ZDB-GENE-040426-741]	rbpms2b
ENSDARG00000079578	ENSDARP00000026087	RAD52 motif containing 1 [Source:HGNC Symbol;Acc:HGNC:19950]	RDM1
ENSDARG00000038186	ENSDARP00000055675	REC114 meiotic recombination protein [Source:HGNC Symbol;Acc:HGNC:25065]	REC114
ENSDARG00000069781	ENSDARP00000092601	regulatory factor X-associated protein [Source:ZFIN;Acc:ZDB-GENE-091204-321]	rfxap
ENSDARG00000076891	ENSDARP00000103332	regulator of cell cycle [Source:ZFIN;Acc:ZDB-GENE-040704-31]	rgcc
ENSDARG00000035810	ENSDARP00000118377		

ENSDARG00000092463	ENSDARP00000113874	rhomboid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhbdd2
ENSDARG00000077459	ENSDARP00000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000059418	ENSDARP00000076989	RPTOR independent companion of MTOR, complex 2 [Source:HGNC Symbol;Acc:HGNC:28611]	RICTOR
ENSDARG00000086887	ENSDARP00000111167	regulatory subunit of type II PKA R-subunit (RiIa) domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26686]	RIIAD1
ENSDARG00000054103	ENSDARP00000070724	rippy1 [Source:ZFIN;Acc:ZDB-GENE-060113-1]	rippy1
ENSDARG00000070535	ENSDARP00000094407	rippy2 [Source:ZFIN;Acc:ZDB-GENE-060113-2]	rippy2
ENSDARG00000036974	ENSDARP00000053701	rippy3 [Source:ZFIN;Acc:ZDB-GENE-060113-3]	rippy3
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtgr
ENSDARG00000069461	ENSDARP00000091898	ribonuclease, RNase K a [Source:ZFIN;Acc:ZDB-GENE-060825-301]	rnaseka
ENSDARG00000069336	ENSDARP00000091585	ribonuclease, RNase K b [Source:ZFIN;Acc:ZDB-GENE-060825-160]	rnasekb
ENSDARG00000043196	ENSDARP00000063415	ribonuclease like 2 [Source:ZFIN;Acc:ZDB-GENE-050208-420]	rnasel2
ENSDARG00000036171	ENSDARP00000041328	ribonuclease like 3 [Source:ZFIN;Acc:ZDB-GENE-050809-5]	rnasel3
ENSDARG00000076983	ENSDARP00000100693	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnasel4
ENSDARG00000031269	ENSDARP00000044428	ring finger protein 123 [Source:ZFIN;Acc:ZDB-GENE-050208-529]	rnf123
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000091126	ENSDARP0000017828	ring finger protein 207 [Source:HGNC Symbol;Acc:HGNC:32947]	RNF207
ENSDARG00000093723	ENSDARP00000122098	ring finger protein 212B [Source:HGNC Symbol;Acc:HGNC:20438]	RNF212B
ENSDARG00000092018	ENSDARP00000119884	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSDARG00000090993	ENSDARP00000111959	ring finger protein 4 [Source:HGNC Symbol;Acc:HGNC:10067]	RNF4
ENSDARG00000038076	ENSDARP00000055509	reactive oxygen species modulator 1 [Source:HGNC Symbol;Acc:HGNC:16185]	ROMO1
ENSDARG00000076008	ENSDARP00000100784	RPA3 opposite strand [Source:HGNC Symbol;Acc:HGNC:48955]	RPA3OS
ENSDARG00000044290	ENSDARP00000065024	rabphilin 3A-like (without C2 domains) [Source:ZFIN;Acc:ZDB-GENE-090605-1]	rph3al
ENSDARG00000063616	ENSDARP00000066624	ribosomal protein L23a [Source:ZFIN;Acc:ZDB-GENE-030131-7479]	rpL23a
ENSDARG00000076360	ENSDARP00000103328	ribosomal protein L37 [Source:ZFIN;Acc:ZDB-GENE-040625-39]	rpL37
ENSDARG00000043404	ENSDARP00000063718	ribonuclease P 21 subunit [Source:ZFIN;Acc:ZDB-GENE-040801-37]	rpp21
ENSDARG00000053383	ENSDARP00000069903	reprimo, TP53 dependent G2 arrest mediator candidate a [Source:ZFIN;Acc:ZDB-GENE-050522-218]	rpma
ENSDARG00000024006	ENSDARP00000033402	reprimo, TP53 dependent G2 arrest mediator candidate b [Source:ZFIN;Acc:ZDB-GENE-040426-1779]	rpmb
ENSDARG00000056768	ENSDARP00000073775	reprimo-like [Source:ZFIN;Acc:ZDB-GENE-070615-20]	rprm1
ENSDARG00000091811	ENSDARP00000123183	ribosomal protein SA [Source:ZFIN;Acc:ZDB-GENE-040426-811]	rspa
ENSDARG00000067606	ENSDARP00000088110	radial spoke head 4 homolog A (Chlamydomonas) [Source:ZFIN;Acc:ZDB-GENE-030131-7437]	rsph4a
ENSDARG00000033987	ENSDARP00000049889	arginine/serine-rich coiled-coil 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2374]	rsrc1
ENSDARG00000017983	ENSDARP00000128109	rhabdoid tumor deletion region gene 1 [Source:ZFIN;Acc:ZDB-GENE-081104-375]	rtdr1
ENSDARG00000040607	ENSDARP00000059437	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfdc1
ENSDARG00000097485	ENSDARP00000127983	rtkn2a	rtkn2a
ENSDARG00000059238	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000050545	ENSDARP00000002453	squamous cell carcinoma antigen recognised by T cells [Source:ZFIN;Acc:ZDB-GENE-040718-422]	sart1
ENSDARG00000043687	ENSDARP00000064149	SAYSVFN motif domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21025]	SAYS1
ENSDARG00000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000076148	ENSDARP00000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000057248	ENSDARP00000074234	sodium channel and clathrin linker 1 [Source:ZFIN;Acc:ZDB-GENE-030131-3278]	sclt1
ENSDARG00000087333	ENSDARP00000107068	short coiled-coil protein a [Source:ZFIN;Acc:ZDB-GENE-061013-114]	scoca
ENSDARG00000002217	ENSDARP00000023570	short coiled-coil protein b [Source:ZFIN;Acc:ZDB-GENE-041010-41]	scocb
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000095515	ENSDARP00000121586	serologically defined colon cancer antigen 3 [Source:ZFIN;Acc:ZDB-GENE-060526-242]	sdcag3
ENSDARG00000092478	ENSDARP00000113870	succinate dehydrogenase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-050809-56]	sdhaf1
ENSDARG00000068215	ENSDARP00000036413	short chain dehydrogenase/reductase family 39U, member 1 [Source:ZFIN;Acc:ZDB-GENE-060929-104]	sdr39u1
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4b [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4b
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000074340	ENSDARP00000109735	small EDRK-rich factor 2 [Source:ZFIN;Acc:ZDB-GENE-041108-1]	serf2
ENSDARG00000089795	ENSDARP00000111763	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	SERTAD4
ENSDARG00000053992	ENSDARP00000129049	Sfi1 homolog, spindle assembly associated (yeast) [Source:ZFIN;Acc:ZDB-GENE-080206-4]	sfi1
ENSDARG00000021974	ENSDARP00000037070	SWI5-dependent recombination repair 1 [Source:ZFIN;Acc:ZDB-GENE-070410-27]	sfr1
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000070858	ENSDARP00000095157	si:busm1-105i16.2 [Source:ZFIN;Acc:ZDB-GENE-030616-108]	si:busm1-105i16.2
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143i10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143i10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000087102	ENSDARP00000127912	si:ch1073-164k15.3 [Source:ZFIN;Acc:ZDB-GENE-131119-59]	si:ch1073-164k15.3
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000060953	ENSDARP00000095476	si:ch1073-214b20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-231]	si:ch1073-214b20.2
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270i17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270i17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340j21.3
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000094486	ENSDARP00000113725	si:ch1073-412h12.3 [Source:ZFIN;Acc:ZDB-GENE-081104-86]	si:ch1073-412h12.3

ENSDARG00000097309	ENSDARP00000128603	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-416d2.4
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000097944	ENSDARP00000102191	si:ch1073-464p5.5 [Source:ZFIN;Acc:ZDB-GENE-091116-35]	si:ch1073-464p5.5
ENSDARG00000097702	ENSDARP00000127699	si:ch1073-66i23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-51]	si:ch1073-66i23.1
ENSDARG00000097987	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000076585	ENSDARP00000098389	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSDARG00000087835	ENSDARP00000116673	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000092894	ENSDARP00000119259	si:ch211-114i13.9 [Source:ZFIN;Acc:ZDB-GENE-070424-116]	si:ch211-114i13.9
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000075332	ENSDARP00000097910	si:ch211-119d14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-100]	si:ch211-119d14.3
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000097160	ENSDARP00000128831	si:ch211-121j5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-29]	si:ch211-121j5.4
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000095049	ENSDARP00000122846	si:ch211-122i24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122i24.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122i24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122i24.3
ENSDARG00000087004	ENSDARP00000109898	si:ch211-122i24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122i24.4
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000060911	ENSDARP00000121598	si:ch211-126i22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-183]	si:ch211-126i22.5
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000094737	ENSDARP00000114770	si:ch211-12e13.12 [Source:ZFIN;Acc:ZDB-GENE-070424-121]	si:ch211-12e13.12
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000096645	ENSDARP00000126625	si:ch211-131k2.2 [Source:ZFIN;Acc:ZDB-GENE-121214-81]	si:ch211-131k2.2
ENSDARG00000040250	ENSDARP00000126701	si:ch211-132g1.1 [Source:ZFIN;Acc:ZDB-GENE-090313-24]	si:ch211-132g1.1
ENSDARG00000089477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000095102	ENSDARP00000126919	si:ch211-132g1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-26]	si:ch211-132g1.4
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-469]	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000070652	ENSDARP00000077673	si:ch211-134a4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-523]	si:ch211-134a4.1
ENSDARG00000087076	ENSDARP00000106633	si:ch211-134a4.2 [Source:ZFIN;Acc:ZDB-GENE-131127-450]	si:ch211-134a4.2
ENSDARG00000087608	ENSDARP00000111037	si:ch211-134a4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-479]	si:ch211-134a4.3
ENSDARG00000086843	ENSDARP00000106340	si:ch211-134a4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-265]	si:ch211-134a4.4
ENSDARG00000068861	ENSDARP00000090515	si:ch211-134a4.5 [Source:ZFIN;Acc:ZDB-GENE-131127-630]	si:ch211-134a4.5
ENSDARG00000097484	ENSDARP00000127781	si:ch211-134a4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-380]	si:ch211-134a4.6
ENSDARG00000090905	ENSDARP00000104681	si:ch211-134a4.8 [Source:ZFIN;Acc:ZDB-GENE-131121-290]	si:ch211-134a4.8
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000093509	ENSDARP00000114347	si:ch211-135f11.6 [Source:ZFIN;Acc:ZDB-GENE-060526-33]	si:ch211-135f11.6
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000087848	ENSDARP00000129560	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000093074	ENSDARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG0000007738	ENSDARP00000123164	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000069998	ENSDARP00000093122	si:ch211-145b13.6 [Source:ZFIN;Acc:ZDB-GENE-090313-36]	si:ch211-145b13.6
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3

ENSDARG00000093216	ENSDARP00000118913	si:ch211-146l10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146l10.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000088493	ENSDARP00000112081	si:ch211-149k12.3 [Source:ZFIN;Acc:ZDB-GENE-131127-504]	si:ch211-149k12.3
ENSDARG00000079501	ENSDARP00000099840	si:ch211-149l1.2 [Source:ZFIN;Acc:ZDB-GENE-090313-40]	si:ch211-149l1.2
ENSDARG00000079736	ENSDARP00000125232	si:ch211-149o7.4 [Source:ZFIN;Acc:ZDB-GENE-081104-131]	si:ch211-149o7.4
ENSDARG00000079553	ENSDARP00000123227	si:ch211-149p10.2 [Source:ZFIN;Acc:ZDB-GENE-060503-762]	si:ch211-149p10.2
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000094522	ENSDARP00000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000092972	ENSDARP00000113980	si:ch211-14k19.8	si:ch211-14k19.8
ENSDARG00000093384	ENSDARP00000120142	si:ch211-150d5.3 [Source:ZFIN;Acc:ZDB-GENE-091204-301]	si:ch211-150d5.3
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000097187	ENSDARP00000128396	si:ch211-153l6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153l6.6
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000094977	ENSDARP00000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSDARG00000076850	ENSDARP00000099984	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSDARG00000093048	ENSDARP00000122642	si:ch211-158d24.4 [Source:ZFIN;Acc:ZDB-GENE-081104-141]	si:ch211-158d24.4
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000087238	ENSDARP00000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSDARG00000093044	ENSDARP00000114560	si:ch211-161h7.5 [Source:ZFIN;Acc:ZDB-GENE-091204-265]	si:ch211-161h7.5
ENSDARG00000097407	ENSDARP00000128768	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000094890	ENSDARP00000120066	si:ch211-163b2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-502]	si:ch211-163b2.4
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000079353	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000087873	ENSDARP00000111904	si:ch211-170n20.3 [Source:ZFIN;Acc:ZDB-GENE-131121-365]	si:ch211-170n20.3
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000074672	ENSDARP00000099651	si:ch211-173p18.3 [Source:ZFIN;Acc:ZDB-GENE-060503-672]	si:ch211-173p18.3
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000093015	ENSDARP00000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176l24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176l24.4
ENSDARG00000086802	ENSDARP00000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENSDARG00000096024	ENSDARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000090807	ENSDARP00000107493	si:ch211-185a18.2 [Source:ZFIN;Acc:ZDB-GENE-120119-1]	si:ch211-185a18.2
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000095459	ENSDARP00000123372	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSDARG00000094059	ENSDARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000096711	ENSDARP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENSDARG00000068431	ENSDARP00000112707	si:ch211-195h23.3 [Source:ZFIN;Acc:ZDB-GENE-070912-174]	si:ch211-195h23.3
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000096365	ENSDARP00000126095	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000041492	ENSDARP00000060824	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000096214	ENSDARP00000125210	si:ch211-197k17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-193]	si:ch211-197k17.3
ENSDARG00000089333	ENSDARP00000104595	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6

ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000076609	ENSDARP00000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000092423	ENSDARP00000115162	si:ch211-202a12.7 [Source:ZFIN;Acc:ZDB-GENE-060526-77]	si:ch211-202a12.7
ENSDARG00000094706	ENSDARP00000112794	si:ch211-202a12.8 [Source:ZFIN;Acc:ZDB-GENE-060526-78]	si:ch211-202a12.8
ENSDARG00000093779	ENSDARP00000116772	si:ch211-202a12.9 [Source:ZFIN;Acc:ZDB-GENE-060526-79]	si:ch211-202a12.9
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000096060	ENSDARP00000125562	si:ch211-202c4.2 [Source:ZFIN;Acc:ZDB-GENE-100922-179]	si:ch211-202c4.2
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000042339	ENSDARP00000118868	si:ch211-207b24.4 [Source:ZFIN;Acc:ZDB-GENE-100921-9]	si:ch211-207b24.4
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000090793	ENSDARP00000126338	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-2325]	si:ch211-207j7.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000093111	ENSDARP00000127975	si:ch211-209i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-682]	si:ch211-209i18.2
ENSDARG00000092856	ENSDARP00000114642	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSDARG00000078499	ENSDARP00000103610	si:ch211-212k5.3 [Source:ZFIN;Acc:ZDB-GENE-110914-156]	si:ch211-212k5.3
ENSDARG00000011498	ENSDARP00000004945	si:ch211-212o1.2 [Source:ZFIN;Acc:ZDB-GENE-041111-310]	si:ch211-212o1.2
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000069595	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000045847	ENSDARP00000067377	si:ch211-214j24.10 [Source:ZFIN;Acc:ZDB-GENE-030131-6301]	si:ch211-214j24.10
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092556	ENSDARP00000122372	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSDARG00000091141	ENSDARP00000106310	si:ch211-214p13.9 [Source:ZFIN;Acc:ZDB-GENE-060503-213]	si:ch211-214p13.9
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000093423	ENSDARP00000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSDARG000000979345	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000093494	ENSDARP00000120801	si:ch211-217k17.9 [Source:ZFIN;Acc:ZDB-GENE-061207-21]	si:ch211-217k17.9
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000071578	ENSDARP00000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000093563	ENSDARP00000116648	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000094038	ENSDARP00000118164	si:ch211-226f6.1 [Source:ZFIN;Acc:ZDB-GENE-070912-217]	si:ch211-226f6.1
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000045646	ENSDARP00000067120	si:ch211-227p7.1 [Source:ZFIN;Acc:ZDB-GENE-041210-224]	si:ch211-227p7.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENSDARG000000979485	ENSDARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-050208-448]	si:ch211-236g6.1
ENSDARG00000095051	ENSDARP00000119801	si:ch211-236i14.1 [Source:ZFIN;Acc:ZDB-GENE-081104-492]	si:ch211-236i14.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDARG00000054502	ENSDARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP00000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENSDARG00000068279	ENSDARP00000089455	si:ch211-240b21.2 [Source:ZFIN;Acc:ZDB-GENE-060526-125]	si:ch211-240b21.2
ENSDARG00000069038	ENSDARP00000090904	si:ch211-242e8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-600]	si:ch211-242e8.1
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3

ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000075065	ENSDARP00000128027	si:ch211-249o11.5 [Source:ZFIN;Acc:ZDB-GENE-131127-165]	si:ch211-249o11.5
ENSDARG00000088251	ENSDARP00000109456	si:ch211-24o10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-24o10.6
ENSDARG00000092199	ENSDARP00000121478	si:ch211-250c4.4 [Source:ZFIN;Acc:ZDB-GENE-081107-32]	si:ch211-250c4.4
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDARG00000088736	ENSDARP00000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-2]	si:ch211-250n8.1
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000097032	ENSDARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000071499	ENSDARP00000096549	si:ch211-260d11.1 [Source:ZFIN;Acc:ZDB-GENE-091204-40]	si:ch211-260d11.1
ENSDARG00000097284	ENSDARP00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDARG00000091695	ENSDARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDARG00000070898	ENSDARP00000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENSDARG00000092738	ENSDARP00000119466	si:ch211-263k4.2 [Source:ZFIN;Acc:ZDB-GENE-081104-207]	si:ch211-263k4.2
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG000000957903	ENSDARP00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092667	ENSDARP00000122313	si:ch211-271e10.2 [Source:ZFIN;Acc:ZDB-GENE-060526-146]	si:ch211-271e10.2
ENSDARG00000093763	ENSDARP00000114010	si:ch211-271e10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-149]	si:ch211-271e10.6
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000091997	ENSDARP00000119847	si:ch211-284e13.11 [Source:ZFIN;Acc:ZDB-GENE-060526-157]	si:ch211-284e13.11
ENSDARG00000094492	ENSDARP00000115320	si:ch211-284e13.12 [Source:ZFIN;Acc:ZDB-GENE-060526-158]	si:ch211-284e13.12
ENSDARG00000097952	ENSDARP00000128286	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSDARG00000093214	ENSDARP00000115113	si:ch211-284e13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-164]	si:ch211-284e13.9
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288j17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288j17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000075881	ENSDARP00000104099	si:ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	si:ch211-39k3.2
ENSDARG00000097855	ENSDARP00000128446	si:ch211-3o3.9 [Source:ZFIN;Acc:ZDB-GENE-131127-12]	si:ch211-3o3.9
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000094668	ENSDARP00000114748	si:ch211-51a19.5 [Source:ZFIN;Acc:ZDB-GENE-041014-366]	si:ch211-51a19.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2 [Source:ZFIN;Acc:ZDB-GENE-100922-24]	si:ch211-53m15.2
ENSDARG00000041375	ENSDARP00000060652	si:ch211-57i17.5 [Source:ZFIN;Acc:ZDB-GENE-041014-39]	si:ch211-57i17.5
ENSDARG00000013022	ENSDARP00000076012	si:ch211-59h6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-418]	si:ch211-59h6.1
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000097600	ENSDARP00000128731	si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531]	si:ch211-66h3.4
ENSDARG00000095580	ENSDARP00000119232	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000086317	ENSDARP00000105628	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000098036	ENSDARP00000129469	si:ch211-69l0.4 [Source:ZFIN;Acc:ZDB-GENE-131127-259]	si:ch211-69l0.4
ENSDARG00000087061	ENSDARP00000111332	si:ch211-71k14.1 [Source:ZFIN;Acc:ZDB-GENE-110411-283]	si:ch211-71k14.1
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7

ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000074098	ENSDARP00000100670	si:ch211-86h15.1 [Source:ZFIN;Acc:ZDB-GENE-081107-38]	si:ch211-86h15.1
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000093237	ENSDARP00000122761	si:ch211-89o9.4 [Source:ZFIN;Acc:ZDB-GENE-090313-134]	si:ch211-89o9.4
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103i1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103i1.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSDARG00000089312	ENSDARP00000106406	si:ch73-106l15.4 [Source:ZFIN;Acc:ZDB-GENE-131120-96]	si:ch73-106l15.4
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000095867	ENSDARP00000123979	si:ch73-132k15.2 [Source:ZFIN;Acc:ZDB-GENE-110411-191]	si:ch73-132k15.2
ENSDARG00000089246	ENSDARP00000108150	si:ch73-134f24.1 [Source:ZFIN;Acc:ZDB-GENE-091204-108]	si:ch73-134f24.1
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000076865	ENSDARP00000110233	si:ch73-193c12.2 [Source:ZFIN;Acc:ZDB-GENE-131127-646]	si:ch73-193c12.2
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000094281	ENSDARP00000120402	si:ch73-196i15.3 [Source:ZFIN;Acc:ZDB-GENE-091116-4]	si:ch73-196i15.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211l13.2
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000096653	ENSDARP00000127026	si:ch73-221f6.10 [Source:ZFIN;Acc:ZDB-GENE-121214-347]	si:ch73-221f6.10
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000058782	ENSDARP00000128803	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3
ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5 [Source:ZFIN;Acc:ZDB-GENE-070705-225]	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000097688	ENSDARP00000129874	si:ch73-265h17.5 [Source:ZFIN;Acc:ZDB-GENE-131121-293]	si:ch73-265h17.5
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231]	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097398	ENSDARP00000129312	si:ch73-288o11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-207]	si:ch73-288o11.4
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-309.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-309.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000093368	ENSDARP00000116528	si:ch73-348k23.1 [Source:ZFIN;Acc:ZDB-GENE-060601-1]	si:ch73-348k23.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000092949	ENSDARP00000122099	si:ch73-366i20.1 [Source:ZFIN;Acc:ZDB-GENE-070912-338]	si:ch73-366i20.1
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000043812	ENSDARP00000115043	si:ch73-389k6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-408]	si:ch73-389k6.1
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2

ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000094815	ENSDARP00000122288	si:ch73-49p17.1 [Source:ZFIN;Acc:ZDB-GENE-081107-45]	si:ch73-49p17.1
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000097527	ENSDARP00000129687	si:ch73-56d11.3 [Source:ZFIN;Acc:ZDB-GENE-131126-22]	si:ch73-56d11.3
ENSDARG00000053563	ENSDARP00000070081	si:ch73-56d11.4 [Source:ZFIN;Acc:ZDB-GENE-131125-46]	si:ch73-56d11.4
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000058537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3
ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3 [Source:ZFIN;Acc:ZDB-GENE-091204-230]	si:dkey-102g19.3
ENSDARG00000095057	ENSDARP00000114368	si:dkey-103d23.3 [Source:ZFIN;Acc:ZDB-GENE-081104-522]	si:dkey-103d23.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000099200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106l3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106l3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000079133	ENSDARP00000104147	si:dkey-10c21.1 [Source:ZFIN;Acc:ZDB-GENE-081104-302]	si:dkey-10c21.1
ENSDARG00000074628	ENSDARP00000115004	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114l24.2
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000096457	ENSDARP00000126436	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000093308	ENSDARP00000113629	si:dkey-11f4.14 [Source:ZFIN;Acc:ZDB-GENE-070912-355]	si:dkey-11f4.14
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSDARG00000089480	ENSDARP00000122373	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o12.0 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o12.0
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000090803	ENSDARP00000107641	si:dkey-156n14.3	si:dkey-156n14.3
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042683	ENSDARP00000127287	si:dkey-15j16.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4680]	si:dkey-15j16.3
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167l21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167l21.2
ENSDARG00000089862	ENSDARP00000111873	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000092593	ENSDARP00000116632	si:dkey-174k12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-174k12.3
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.15
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2

ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000094012	ENSDARP00000112918	si:dkey-192g7.3 [Source:ZFIN;Acc:ZDB-GENE-070912-411]	si:dkey-192g7.3
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000091212	ENSDARP00000121103	si:dkey-192p21.6 [Source:ZFIN;Acc:ZDB-GENE-060503-809]	si:dkey-192p21.6
ENSDARG00000093687	ENSDARP00000115304	si:dkey-193c22.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7957]	si:dkey-193c22.1
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000095940	ENSDARP00000123841	si:dkey-19a16.12 [Source:ZFIN;Acc:ZDB-GENE-110408-26]	si:dkey-19a16.12
ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13 [Source:ZFIN;Acc:ZDB-GENE-110411-2]	si:dkey-19a16.13
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200f5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200f5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041120-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096971	ENSDARP00000128158	si:dkey-206p8.1 [Source:ZFIN;Acc:ZDB-GENE-131127-460]	si:dkey-206p8.1
ENSDARG00000043540	ENSDARP00000092008	si:dkey-207j24.2 [Source:ZFIN;Acc:ZDB-GENE-131125-92]	si:dkey-207j24.2
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7 [Source:ZFIN;Acc:ZDB-GENE-090313-232]	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000041919	ENSDARP00000061433	si:dkey-217m5.3 [Source:ZFIN;Acc:ZDB-GENE-041014-320]	si:dkey-217m5.3
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096701	ENSDARP00000127248	si:dkey-21e13.3 [Source:ZFIN;Acc:ZDB-GENE-130531-75]	si:dkey-21e13.3
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000068325	ENSDARP00000056669	si:dkey-21n10.3 [Source:ZFIN;Acc:ZDB-GENE-070912-444]	si:dkey-21n10.3
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000096034	ENSDARP00000109379	si:dkey-226k3.4 [Source:ZFIN;Acc:ZDB-GENE-030131-211]	si:dkey-226k3.4
ENSDARG00000093303	ENSDARP00000121961	si:dkey-226m8.7 [Source:ZFIN;Acc:ZDB-GENE-060526-259]	si:dkey-226m8.7
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7

ENSDARG00000097127	ENSDARPO0000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000097230	ENSDARPO0000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARPO0000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARPO0000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARPO0000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000070126	ENSDARPO0000093431	si:dkey-22i11.6 [Source:ZFIN;Acc:ZDB-GENE-041210-251]	si:dkey-22i11.6
ENSDARG00000091965	ENSDARPO0000122805	si:dkey-231p15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-250]	si:dkey-231p15.1
ENSDARG00000092275	ENSDARPO0000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARPO0000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000092409	ENSDARPO0000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARPO0000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARPO0000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARPO0000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000096537	ENSDARPO0000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097802	ENSDARPO0000128641	si:dkey-238d18.12 [Source:ZFIN;Acc:ZDB-GENE-131126-41]	si:dkey-238d18.12
ENSDARG00000096965	ENSDARPO0000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARPO0000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000097739	ENSDARPO0000128307	si:dkey-238d18.9 [Source:ZFIN;Acc:ZDB-GENE-131120-170]	si:dkey-238d18.9
ENSDARG00000093512	ENSDARPO0000116085	si:dkey-238j22.1 [Source:ZFIN;Acc:ZDB-GENE-070705-398]	si:dkey-238j22.1
ENSDARG00000093248	ENSDARPO0000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARPO0000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000094824	ENSDARPO0000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1
ENSDARG00000023036	ENSDARPO0000093620	si:dkey-23a23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-158]	si:dkey-23a23.2
ENSDARG00000095548	ENSDARPO0000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARPO0000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000069189	ENSDARPO0000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARPO0000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARPO0000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARPO0000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000070320	ENSDARPO0000093863	si:dkey-245p14.4 [Source:ZFIN;Acc:ZDB-GENE-061207-63]	si:dkey-245p14.4
ENSDARG00000094533	ENSDARPO0000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARPO0000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARPO0000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARPO0000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARPO0000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARPO0000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARPO0000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000088452	ENSDARPO0000124204	si:dkey-24i24.3 [Source:ZFIN;Acc:ZDB-GENE-110411-103]	si:dkey-24i24.3
ENSDARG00000097126	ENSDARPO0000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110311-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARPO0000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000095643	ENSDARPO0000096720	si:dkey-253d23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-330]	si:dkey-253d23.3
ENSDARG00000097962	ENSDARPO0000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000092600	ENSDARPO0000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARPO0000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARPO0000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARPO0000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARPO0000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARPO0000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARPO0000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG000000978205	ENSDARPO0000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARPO0000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARPO0000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000093608	ENSDARPO0000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARPO0000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG000000932993	ENSDARPO0000041769	si:dkey-25o1.9 [Source:ZFIN;Acc:ZDB-GENE-130603-64]	si:dkey-25o1.9
ENSDARG00000096667	ENSDARPO0000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARPO0000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARPO0000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000098024	ENSDARPO0000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000097480	ENSDARPO0000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARPO0000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000092728	ENSDARPO0000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000093117	ENSDARPO0000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARPO0000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000096437	ENSDARPO0000126340	si:dkey-26h11.1 [Source:ZFIN;Acc:ZDB-GENE-120709-74]	si:dkey-26h11.1
ENSDARG00000096458	ENSDARPO0000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARPO0000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARPO0000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000091627	ENSDARPO0000107508	si:dkey-271j15.3 [Source:ZFIN;Acc:ZDB-GENE-100921-27]	si:dkey-271j15.3
ENSDARG00000097405	ENSDARPO0000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000090872	ENSDARPO0000106312	si:dkey-276j7.1 [Source:ZFIN;Acc:ZDB-GENE-060720-44]	si:dkey-276j7.1
ENSDARG00000097317	ENSDARPO0000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARPO0000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000093621	ENSDARPO0000118008	si:dkey-27b3.4 [Source:ZFIN;Acc:ZDB-GENE-091204-131]	si:dkey-27b3.4
ENSDARG00000094485	ENSDARPO0000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARPO0000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARPO0000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARPO0000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARPO0000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7

ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000090708	ENSDARP00000107235	si:dkey-28g23.6 [Source:ZFIN;Acc:ZDB-GENE-131119-80]	si:dkey-28g23.6
ENSDARG00000091879	ENSDARP00000114600	si:dkey-29d8.3 [Source:ZFIN;Acc:ZDB-GENE-070912-508]	si:dkey-29d8.3
ENSDARG00000069540	ENSDARP00000092070	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000092934	ENSDARP00000121281	si:dkey-32e6.3 [Source:ZFIN;Acc:ZDB-GENE-081104-408]	si:dkey-32e6.3
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000087639	ENSDARP00000107382	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-721]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000094587	ENSDARP00000112901	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000054669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000068398	ENSDARP00000089681	si:dkey-3b8.4 [Source:ZFIN;Acc:ZDB-GENE-050419-24]	si:dkey-3b8.4
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-519]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000093414	ENSDARP00000120556	si:dkey-50i6.5 [Source:ZFIN;Acc:ZDB-GENE-081031-53]	si:dkey-50i6.5
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52i18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52i18.4
ENSDARG00000096977	ENSDARP00000128999	si:dkey-52p2.4 [Source:ZFIN;Acc:ZDB-GENE-131120-129]	si:dkey-52p2.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000087793	ENSDARP00000111133	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSDARG00000070845	ENSDARP00000095136	si:dkey-56d12.4 [Source:ZFIN;Acc:ZDB-GENE-060531-147]	si:dkey-56d12.4
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000052912	ENSDARP00000127658	si:dkey-57n24.6 [Source:ZFIN;Acc:ZDB-GENE-130530-641]	si:dkey-57n24.6
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10 [Source:ZFIN;Acc:ZDB-GENE-060526-312]	si:dkey-58f10.10
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12 [Source:ZFIN;Acc:ZDB-GENE-060526-314]	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13 [Source:ZFIN;Acc:ZDB-GENE-060526-315]	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14 [Source:ZFIN;Acc:ZDB-GENE-060526-316]	si:dkey-58f10.14
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000091832	ENSDARP00000109844	si:dkey-58f6.2 [Source:ZFIN;Acc:ZDB-GENE-131127-585]	si:dkey-58f6.2
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000094869	ENSDARP00000117002	si:dkey-5n7.2 [Source:ZFIN;Acc:ZDB-GENE-050420-254]	si:dkey-5n7.2
ENSDARG00000094528	ENSDARP00000117624	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000093234	ENSDARP00000116561	si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12]	si:dkey-65i23.2
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66i17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66i17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000070057	ENSDARP00000114964	si:dkey-69o16.5 [Source:ZFIN;Acc:ZDB-GENE-081104-432]	si:dkey-69o16.5
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2

ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000092390	ENSDARP00000120910	si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340]	si:dkey-6f10.4
ENSDARG00000058032	ENSDARP00000075278	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSDARG00000092039	ENSDARP00000119877	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000093458	ENSDARP00000115334	si:dkey-76d14.2 [Source:ZFIN;Acc:ZDB-GENE-070912-580]	si:dkey-76d14.2
ENSDARG00000020548	ENSDARP00000025659	si:dkey-77f5.10 [Source:ZFIN;Acc:ZDB-GENE-131121-133]	si:dkey-77f5.10
ENSDARG00000087331	ENSDARP00000108716	si:dkey-77f5.3 [Source:ZFIN;Acc:ZDB-GENE-030131-5102]	si:dkey-77f5.3
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153]	si:dkey-79c1.1
ENSDARG00000089123	ENSDARP00000107117	si:dkey-79d12.2 [Source:ZFIN;Acc:ZDB-GENE-131121-604]	si:dkey-79d12.2
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000094710	ENSDARP00000120720	si:dkey-79i2.4 [Source:ZFIN;Acc:ZDB-GENE-060503-553]	si:dkey-79i2.4
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000089021	ENSDARP00000108888	si:dkey-7f16.3 [Source:ZFIN;Acc:ZDB-GENE-131120-59]	si:dkey-7f16.3
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000097528	ENSDARP00000128310	si:dkey-7j14.5 [Source:ZFIN;Acc:ZDB-GENE-030131-8110]	si:dkey-7j14.5
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000094074	ENSDARP00000118587	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095047	ENSDARP00000121197	si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242]	si:dkey-85k15.4
ENSDARG00000094385	ENSDARP00000112862	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSDARG00000095893	ENSDARP00000124597	si:dkey-85n7.7 [Source:ZFIN;Acc:ZDB-GENE-110408-52]	si:dkey-85n7.7
ENSDARG00000043536	ENSDARP00000063916	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSDARG00000095796	ENSDARP00000124470	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88i16.5
ENSDARG00000043735	ENSDARP00000064220	si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85]	si:dkey-88n24.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093612	ENSDARP00000114776	si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759]	si:dkey-92i17.2
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000094328	ENSDARP00000120796	si:dkey-93n13.1 [Source:ZFIN;Acc:ZDB-GENE-091204-23]	si:dkey-93n13.1
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000091628	ENSDARP00000112107	si:dkey-97a13.9 [Source:ZFIN;Acc:ZDB-GENE-070912-619]	si:dkey-97a13.9
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140]	si:dkeyp-100h4.8
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527]	si:dkeyp-106c3.2
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39]	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000069401	ENSDARP00000091739	si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466]	si:dkeyp-114g9.1
ENSDARG00000095437	ENSDARP00000118987	si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455]	si:dkeyp-117b11.3
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000077519	ENSDARP00000114312	si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21]	si:dkeyp-13d11.2
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000094387	ENSDARP00000122446	si:dkeyp-30e7.2 [Source:ZFIN;Acc:ZDB-GENE-081104-498]	si:dkeyp-30e7.2
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000056954	ENSDARP00000050406	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4

ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000093150	ENSDARP00000118889	si:dkeyp-51f11.9 [Source:ZFIN;Acc:ZDB-GENE-070912-653]	si:dkeyp-51f11.9
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000041923	ENSDARP00000123921	si:dkeyp-59a8.1 [Source:ZFIN;Acc:ZDB-GENE-041014-165]	si:dkeyp-59a8.1
ENSDARG00000041835	ENSDARP00000061310	si:dkeyp-59a8.2 [Source:ZFIN;Acc:ZDB-GENE-041014-167]	si:dkeyp-59a8.2
ENSDARG00000041917	ENSDARP00000128783	si:dkeyp-59a8.3 [Source:ZFIN;Acc:ZDB-GENE-041014-163]	si:dkeyp-59a8.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000087165	ENSDARP00000111500	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000042663	ENSDARP00000074658	si:dkeyp-70f9.7 [Source:ZFIN;Acc:ZDB-GENE-070705-550]	si:dkeyp-70f9.7
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000091838	ENSDARP00000108953	si:dkeyp-72e1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-228]	si:dkeyp-72e1.6
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:1Q5566]	si:dkeyp-72g6.2
ENSDARG00000073704	ENSDARP00000127539	si:dkeyp-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkeyp-72g9.4
ENSDARG00000095347	ENSDARP00000113041	si:dkeyp-72h1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-447]	si:dkeyp-72h1.1
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000090405	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000070490	ENSDARP00000110016	si:dkeyp-75b4.7 [Source:ZFIN;Acc:ZDB-GENE-090312-58]	si:dkeyp-75b4.7
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:1Q5566]	si:dkeyp-79f12.7
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000036479	ENSDARP00000052997	si:dkeyp-80c12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-403]	si:dkeyp-80c12.4
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000075917	ENSDARP00000118525	si:dkeyp-87a12.1 [Source:ZFIN;Acc:ZDB-GENE-081104-480]	si:dkeyp-87a12.1
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000086712	ENSDARP00000112225	si:dkeyp-97b10.3 [Source:ZFIN;Acc:ZDB-GENE-131121-429]	si:dkeyp-97b10.3
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000096760	ENSDARP00000127246	si:rp71-1c10.8 [Source:ZFIN;Acc:ZDB-GENE-130603-20]	si:rp71-1c10.8
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000040527	ENSDARP00000059310	sialic acid acetyltransferase [Source:ZFIN;Acc:ZDB-GENE-040426-1032]	siae
ENSDARG00000089939	ENSDARP00000106885	SUMO-interacting motifs containing 1 [Source:HGNC Symbol;Acc:HGNC:24779]	SIMC1
ENSDARG00000017163	ENSDARP00000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000012947	ENSDARP0000010089	spindle and kinetochore associated complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:28006]	SKA2
ENSDARG00000069917	ENSDARP00000092915	spindle and kinetochore associated complex subunit 3 [Source:ZFIN;Acc:ZDB-GENE-030131-2997]	ska3
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000092927	ENSDARP00000119409	SLX4 structure-specific endonuclease subunit [Source:HGNC Symbol;Acc:HGNC:23845]	SLX4
ENSDARG00000093069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000014836	ENSDARP00000017632	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050211-6]	smchd1
ENSDARG00000090920	ENSDARP00000108962	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29090]	SMCHD1
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000070358	ENSDARP00000093933	small integral membrane protein 12 [Source:ZFIN;Acc:ZDB-GENE-050320-101]	smim12
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG0000005799	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000086699	ENSDARP00000104976	small integral membrane protein 15 [Source:ZFIN;Acc:ZDB-GENE-070410-48]	smim15
ENSDARG00000037423	ENSDARP00000054461	small integral membrane protein 19 [Source:HGNC Symbol;Acc:HGNC:25166]	SMIM19
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000089921	ENSDARP00000105599	small integral membrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37257]	SMIM4

ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG00000045302	ENSDARP00000066624	small muscle protein, X-linked [Source:ZFIN;Acc:ZDB-GENE-040704-24]	smxp
ENSDARG00000036473	ENSDARP00000073820	small nuclear RNA activating complex, polypeptide 2, 45kDa [Source:HGNC Symbol;Acc:HGNC:11135]	SNAPC2
ENSDARG00000062476	ENSDARP00000084846	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	snapc5
ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snn
ENSDARG00000058280	ENSDARP00000107978	sperm associated antigen 17 [Source:HGNC Symbol;Acc:HGNC:26620]	SPAG17
ENSDARG00000096554	ENSDARP00000126902	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:13452]	SPAG5
ENSDARG00000075898	ENSDARP00000102336	spermatogenesis associated 7 [Source:ZFIN;Acc:ZDB-GENE-050419-61]	spata7
ENSDARG00000089976	ENSDARP00000109592	SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060810-13]	spc25
ENSDARG00000017429	ENSDARP00000040668	signal peptidase complex subunit 3 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-2206]	spcs3
ENSDARG00000095590	ENSDARP00000115588	SPHK1 interactor, AKAP domain containing [Source:ZFIN;Acc:ZDB-GENE-050419-32]	sphkap
ENSDARG00000056004	ENSDARP00000063824	secreted phosphoprotein 2, 24kDa [Source:HGNC Symbol;Acc:HGNC:11256]	SPP2
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000056859	ENSDARP00000073885	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000043728	ENSDARP00000064211	spepin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	SPX
ENSDARG00000077069	ENSDARP00000065651	SREK1-interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-051030-24]	srek1ip1
ENSDARG00000088272	ENSDARP00000016174	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	srgn
ENSDARG00000022415	ENSDARP00000129509	signal recognition particle 14 [Source:ZFIN;Acc:ZDB-GENE-050913-131]	srp14
ENSDARG00000039350	ENSDARP00000057506	serine/arginine-rich splicing factor 10 [Source:HGNC Symbol;Acc:HGNC:16713]	SRSF10
ENSDARG00000038938	ENSDARP00000124900	single-stranded DNA binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-340]	ssbp1
ENSDARG00000040799	ENSDARP00000059790	sperm specific antigen 2 [Source:ZFIN;Acc:ZDB-GENE-090824-1]	ssfa2
ENSDARG00000014190	ENSDARP00000017950	somatostatin 1, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4743]	sst1.1
ENSDARG00000093804	ENSDARP00000117669	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000086641	ENSDARP00000112004	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000035694	ENSDARP00000095945	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000059171	ENSDARP00000076652	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000006869	ENSDARP00000114720	sperm-tail PG-rich repeat containing 1 [Source:ZFIN;Acc:ZDB-GENE-070705-373]	stpg1
ENSDARG00000037182	ENSDARP00000054069	syntaxin 17 [Source:ZFIN;Acc:ZDB-GENE-041114-164]	stx17
ENSDARG00000077995	ENSDARP00000103758	surfeit 2 [Source:HGNC Symbol;Acc:HGNC:11475]	SURF2
ENSDARG00000088277	ENSDARP00000109477	sushi domain containing 3 [Source:HGNC Symbol;Acc:HGNC:28391]	SUSD3
ENSDARG00000097236	ENSDARP00000129097	sushi domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-120215-196]	susd5
ENSDARG00000078492	ENSDARP00000100791	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000093423	ENSDARP00000120384	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000092889	ENSDARP00000112559	SWIM-type zinc finger 7 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-071116-2]	swsap1
ENSDARG00000090469	ENSDARP00000090911	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000088950	ENSDARP00000114083	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN
ENSDARG00000079190	ENSDARP00000099728	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG00000035944	ENSDARP00000052168	synaptonemal complex protein 2-like [Source:ZFIN;Acc:ZDB-GENE-130924-1]	sycp2l
ENSDARG00000052429	ENSDARP00000068774	syncollin, intermediate filament protein [Source:ZFIN;Acc:ZDB-GENE-060503-747]	sync
ENSDARG00000094788	ENSDARP00000123319	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngr2a
ENSDARG00000093089	ENSDARP00000121994	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000096234	ENSDARP00000126245	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
		tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSDARG00000096310	ENSDARP00000125622	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa [Source:HGNC Symbol;Acc:HGNC:11534]	TAF1C
ENSDARG00000079880	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000067831	ENSDARP00000088485	thymus, brain and testes associated [Source:ZFIN;Acc:ZDB-GENE-121030-4]	tbata
ENSDARG00000045355	ENSDARP00000066699	transcription elongation factor B (SIII), polypeptide 1a [Source:ZFIN;Acc:ZDB-GENE-040912-120]	tceb1a
ENSDARG00000045359	ENSDARP00000118581	transcription elongation factor B (SIII), polypeptide 1b [Source:ZFIN;Acc:ZDB-GENE-040718-138]	tceb1b
ENSDARG00000044194	ENSDARP00000064887	T-cell leukemia translocation altered gene [Source:ZFIN;Acc:ZDB-GENE-040718-325]	tcta
ENSDARG00000097346	ENSDARP00000128007	TEN1 CST complex subunit [Source:HGNC Symbol;Acc:HGNC:37424]	TEN1
ENSDARG00000058710	ENSDARP00000118728	telomeric repeat binding factor (NIMA-interacting) 1 [Source:ZFIN;Acc:ZDB-GENE-090612-2]	terf1
ENSDARG00000093902	ENSDARP00000057422	telomeric repeat binding factor a [Source:ZFIN;Acc:ZDB-GENE-020419-38]	terfa
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000089689	ENSDARP00000107795	testis expressed 26 [Source:ZFIN;Acc:ZDB-GENE-120410-5]	tex26
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000039583	ENSDARP00000057831	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000010619	ENSDARP00000012705	thymocyte selection associated [Source:ZFIN;Acc:ZDB-GENE-041008-160]	themis
ENSDARG00000058964	ENSDARP00000076379	thymocyte selection associated family member 2 [Source:ZFIN;Acc:ZDB-GENE-110411-89]	themis2
ENSDARG00000079158	ENSDARP00000101504	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSDARG00000035018	ENSDARP00000045409	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSDARG00000091111	ENSDARP00000107878	TRAF-interacting protein with forkhead-associated domain [Source:HGNC Symbol;Acc:HGNC:19075]	TIFA
ENSDARG00000074371	ENSDARP00000103037	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSDARG00000090990	ENSDARP00000105421	transmembrane protein 100 [Source:HGNC Symbol;Acc:HGNC:25607]	TMEM100
ENSDARG00000090230	ENSDARP00000110325	transmembrane protein 108 [Source:ZFIN;Acc:ZDB-GENE-091204-397]	tmem108
ENSDARG00000077155	ENSDARP00000100247	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25084]	TMEM116
ENSDARG00000095259	ENSDARP00000120390	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSDARG00000068036	ENSDARP00000088932	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000059150	ENSDARP00000076621	transmembrane protein 128 [Source:HGNC Symbol;Acc:HGNC:28201]	TMEM128
ENSDARG00000075346	ENSDARP00000101988	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSDARG00000037409	ENSDARP00000054439	transmembrane protein 144a [Source:ZFIN;Acc:ZDB-GENE-040822-12]	tmem144a
ENSDARG00000036247	ENSDARP00000052647	transmembrane protein 144b [Source:ZFIN;Acc:ZDB-GENE-041010-58]	tmem144b
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000067799	ENSDARP00000088433	transmembrane protein 164 [Source:HGNC Symbol;Acc:HGNC:26217]	TMEM164
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a

ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000091058	ENSDARP00000105858	transmembrane protein 173 [Source:ZFIN;Acc:ZDB-GENE-120921-1]	tmem173
ENSDARG00000035388	ENSDARP00000051296	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSDARG00000074264	ENSDARP00000103823	transmembrane protein 186 [Source:HGNC Symbol;Acc:HGNC:24530]	TMEM186
ENSDARG00000051989	ENSDARP00000068202	transmembrane protein 187 [Source:ZFIN;Acc:ZDB-GENE-090313-366]	tmem187
ENSDARG00000042732	ENSDARP00000062705	transmembrane protein 189 [Source:ZFIN;Acc:ZDB-GENE-041010-150]	tmem189
ENSDARG00000068291	ENSDARP00000089483	transmembrane protein 208 [Source:HGNC Symbol;Acc:HGNC:25015]	TMEM208
ENSDARG00000091576	ENSDARP00000111752	Transmembrane protein 216 [Source:UniProtKB/Swiss-Prot;Acc:E7EYQ9]	TMEM216
ENSDARG00000069494	ENSDARP00000091975	transmembrane protein 223 [Source:ZFIN;Acc:ZDB-GENE-040801-113]	tmem223
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000087916	ENSDARP00000105180	transmembrane protein 240 [Source:ZFIN;Acc:ZDB-GENE-090313-306]	tmem240
ENSDARG00000090145	ENSDARP00000110290	transmembrane protein 240 [Source:HGNC Symbol;Acc:HGNC:25186]	TMEM240
ENSDARG00000070455	ENSDARP00000094183	transmembrane protein 245 [Source:ZFIN;Acc:ZDB-GENE-100922-188]	tmem245
ENSDARG00000018825	ENSDARP00000027014	transmembrane protein 248 [Source:ZFIN;Acc:ZDB-GENE-050320-103]	tmem248
ENSDARG00000042341	ENSDARP00000062093	transmembrane protein 251 [Source:ZFIN;Acc:ZDB-GENE-041001-121]	tmem251
ENSDARG00000078785	ENSDARP00000043171	transmembrane protein 258 [Source:ZFIN;Acc:ZDB-GENE-040426-1739]	tmem258
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000030465	ENSDARP00000048205	transmembrane protein 263 [Source:HGNC Symbol;Acc:HGNC:28281]	TMEM263
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000079784	ENSDARP00000104255	transmembrane protein 71 [Source:HGNC Symbol;Acc:HGNC:26572]	TMEM71
ENSDARG00000042536	ENSDARP00000062374	transmembrane protein 81 [Source:HGNC Symbol;Acc:HGNC:32349]	TMEM81
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	tmpe
ENSDARG00000054911	ENSDARP00000071665	thymosin, beta [Source:ZFIN;Acc:ZDB-GENE-050307-5]	tsmb
ENSDARG00000077777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tsmb4x
ENSDARG00000095193	ENSDARP00000118173	tumor necrosis factor receptor superfamily, member 14 [Source:HGNC Symbol;Acc:HGNC:11912]	TNFRSF14
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnsf18
ENSDARG00000068760	ENSDARP00000090344	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomm5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000067717	ENSDARP00000088302	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060825-115]	tomm7
ENSDARG00000028017	ENSDARP00000038892	tumor protein p53 inducible nuclear protein 1 [Source:ZFIN;Acc:ZDB-GENE-031018-3]	tp53inp1
ENSDARG00000089986	ENSDARP00000109756	tumor protein p53 inducible nuclear protein 2 [Source:HGNC Symbol;Acc:HGNC:16104]	TP53INP2
ENSDARG00000089701	ENSDARP00000108636	TraB domain containing 2A [Source:HGNC Symbol;Acc:HGNC:27013]	TRABD2A
ENSDARG00000075123	ENSDARP00000099529	TRAF-type zinc finger domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24808]	TRAFD1
ENSDARG00000097660	ENSDARP00000124686	trafficking protein particle complex 2 [Source:ZFIN;Acc:ZDB-GENE-060929-1266]	trappc2
ENSDARG00000076113	ENSDARP00000098836	trafficking protein particle complex 9 [Source:ZFIN;Acc:ZDB-GENE-070705-261]	trappc9
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000076296	ENSDARP00000101057	triple QxxK/R motif containing [Source:ZFIN;Acc:ZDB-GENE-070705-75]	trmt3
ENSDARG00000042701	ENSDARP00000124625	tRNA methyltransferase 13 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050327-19]	trmk13
ENSDARG00000069280	ENSDARP00000091469	tRNA splicing endonuclease 15 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041008-211]	tsen15
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000036144	ENSDARP00000069747	tumor suppressing subtransferable candidate 4 [Source:HGNC Symbol;Acc:HGNC:12386]	TSSC4
ENSDARG00000074435	ENSDARP00000102293	tetratricopeptide repeat domain 19 [Source:ZFIN;Acc:ZDB-GENE-070912-490]	ttc19
ENSDARG00000086355	ENSDARP00000106923	tetratricopeptide repeat domain 40 [Source:HGNC Symbol;Acc:HGNC:25247]	TTC40
ENSDARG00000044689	ENSDARP00000065664	tetratricopeptide repeat domain 8 [Source:ZFIN;Acc:ZDB-GENE-030131-8846]	ttc8
ENSDARG00000042894	ENSDARP00000047068	thymidylate synthase [Source:ZFIN;Acc:ZDB-GENE-040426-59]	tyms
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000052535	ENSDARP00000068895	UBX domain protein 10 [Source:ZFIN;Acc:ZDB-GENE-060825-319]	ubxn10
ENSDARG00000053828	ENSDARP00000093497	UBX domain protein 11 [Source:HGNC Symbol;Acc:HGNC:30600]	UBXN11
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000027799	ENSDARP00000030232	upper zone of growth plate and cartilage matrix associated a [Source:ZFIN;Acc:ZDB-GENE-070410-71]	ucmaa
ENSDARG00000050485	ENSDARP00000026630	upper zone of growth plate and cartilage matrix associated b [Source:ZFIN;Acc:ZDB-GENE-040426-2368]	ucmaab
ENSDARG00000043857	ENSDARP00000064392	ubiquitin-fold modifier 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2930]	ufm1
ENSDARG00000089679	ENSDARP00000108066	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	UIMC1
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000092872	ENSDARP00000113175	uropodin 3b [Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000027491	ENSDARP00000096080	uroporphyrinogen III synthase [Source:ZFIN;Acc:ZDB-GENE-040323-2]	uros
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000096003	ENSDARP00000125277	up-regulated during skeletal muscle growth 5 homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:30889]	USMG5
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSDARG00000070617	ENSDARP00000094654	von Hippel-Lindau tumor suppressor [Source:ZFIN;Acc:ZDB-GENE-070112-1042]	vhl
ENSDARG00000078613	ENSDARP00000099149	von Hippel-Lindau tumor suppressor like [Source:ZFIN;Acc:ZDB-GENE-081022-78]	vhl1
ENSDARG00000070097	ENSDARP00000079033	VCP-interacting membrane protein [Source:ZFIN;Acc:ZDB-GENE-060804-1]	vimp
ENSDARG00000093945	ENSDARP00000117667	VMA21 vacuolar H ⁺ -ATPase homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:22082]	VMA21
ENSDARG00000066916	ENSDARP00000016383	vimentin-type intermediate filament associated coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:33803]	VMA2
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A [Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000087191	ENSDARP00000109913	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSDARG00000058003	ENSDARP00000075234	WAP four-disulfide core domain 1 [Source:ZFIN;Acc:ZDB-GENE-070112-352]	wfdc1
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000092352	ENSDARP00000115981	wu:fa92h10 [Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000088449	ENSDARP00000111969	wu:fb55g09 [Source:ZFIN;Acc:ZDB-GENE-030131-1009]	wu:fb55g09
ENSDARG00000092222	ENSDARP00000120343	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07

ENSDARG00000070059	ENSDARP00000093294	wu:fc28f08 [Source:ZFIN;Acc:ZDB-GENE-030131-3152]	wu:fc28f08
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000089342	ENSDARP00000106882	wu:fc75a09 [Source:ZFIN;Acc:ZDB-GENE-030131-4139]	wu:fc75a09
ENSDARG00000075205	ENSDARP00000128678	wu:fi04h01 [Source:ZFIN;Acc:ZDB-GENE-030131-5580]	wu:fi04h01
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000075617	ENSDARP00000100554	wu:fu71h07 [Source:ZFIN;Acc:ZDB-GENE-050302-121]	wu:fu71h07
ENSDARG00000079755	ENSDARP00000099421	wu:fy63c09 [Source:ZFIN;Acc:ZDB-GENE-050302-146]	wu:fy63c09
ENSDARG00000068939	ENSDARP00000090658	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	XAF1
ENSDARG00000089578	ENSDARP00000126247	X-ray radiation resistance associated 1 [Source:ZFIN;Acc:ZDB-GENE-101216-2]	xrra1
ENSDARG00000069723	ENSDARP00000092460	zinc finger, B-box domain containing [Source:ZFIN;Acc:ZDB-GENE-061207-76]	zbbx
ENSDARG00000091092	ENSDARP00000104337	zinc finger, CCHC domain containing 10 [Source:ZFIN;Acc:ZDB-GENE-030131-6172]	zcchc10
ENSDARG00000012738	ENSDARP00000117645	zinc finger, CCHC domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-060503-319]	zcchc14
ENSDARG00000078237	ENSDARP00000100073	zinc finger, CCHC domain containing 3 [Source:HGNC Symbol;Acc:HGNC:16230]	ZCCHC3
ENSDARG00000014615	ENSDARP00000018644	zinc finger, C3H1-type containing [Source:HGNC Symbol;Acc:HGNC:28328]	ZFC3H1
ENSDARG00000086342	ENSDARP00000110924	zgc:101566 [Source:ZFIN;Acc:ZDB-GENE-041010-73]	zgc:101566
ENSDARG00000035700	ENSDARP00000051776	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSDARG00000019503	ENSDARP00000003749	zgc:103759 [Source:ZFIN;Acc:ZDB-GENE-041010-100]	zgc:103759
ENSDARG00000073845	ENSDARP00000101688	zgc:110843 [Source:ZFIN;Acc:ZDB-GENE-050327-15]	zgc:110843
ENSDARG00000070899	ENSDARP00000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000075258	ENSDARP00000098923	zgc:112970 [Source:ZFIN;Acc:ZDB-GENE-050327-83]	zgc:112970
ENSDARG00000001829	ENSDARP00000101451	zgc:112982 [Source:ZFIN;Acc:ZDB-GENE-050306-55]	zgc:112982
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000039364	ENSDARP00000057526	zgc:113019 [Source:ZFIN;Acc:ZDB-GENE-050417-449]	zgc:113019
ENSDARG00000059396	ENSDARP00000076942	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000056650	ENSDARP00000073631	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSDARG00000038271	ENSDARP00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000039099	ENSDARP00000057100	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG00000051793	ENSDARP00000067963	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000030440	ENSDARP00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000070423	ENSDARP000000117627	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSDARG00000054054	ENSDARP00000070659	zgc:153219 [Source:ZFIN;Acc:ZDB-GENE-060929-144]	zgc:153219
ENSDARG00000071555	ENSDARP00000105913	zgc:153675 [Source:ZFIN;Acc:ZDB-GENE-061013-567]	zgc:153675
ENSDARG00000020738	ENSDARP00000019585	zgc:153921 [Source:ZFIN;Acc:ZDB-GENE-060929-816]	zgc:153921
ENSDARG00000071463	ENSDARP00000096454	zgc:154125 [Source:ZFIN;Acc:ZDB-GENE-061013-717]	zgc:154125
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000059679	ENSDARP00000077628	zgc:158343 [Source:ZFIN;Acc:ZDB-GENE-061201-9]	zgc:158343
ENSDARG00000074226	ENSDARP00000082510	zgc:158398 [Source:ZFIN;Acc:ZDB-GENE-070820-3]	zgc:158398
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000069607	ENSDARP00000039241	zgc:162331 [Source:ZFIN;Acc:ZDB-GENE-070410-75]	zgc:162331
ENSDARG00000070040	ENSDARP00000128148	zgc:162344 [Source:ZFIN;Acc:ZDB-GENE-030131-6058]	zgc:162344
ENSDARG00000091385	ENSDARP00000092040	zgc:165409 [Source:ZFIN;Acc:ZDB-GENE-070615-19]	zgc:165409
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000096566	ENSDARP00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000077248	ENSDARP00000103275	zgc:171459 [Source:ZFIN;Acc:ZDB-GENE-030131-2059]	zgc:171459
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000090578	ENSDARP00000106207	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000077493	ENSDARP00000096892	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000076721	ENSDARP00000075861	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000086569	ENSDARP00000114862	zgc:172051 [Source:ZFIN;Acc:ZDB-GENE-080219-23]	zgc:172051
ENSDARG00000076530	ENSDARP00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000075248	ENSDARP00000076126	zgc:172133 [Source:ZFIN;Acc:ZDB-GENE-080204-48]	zgc:172133
ENSDARG00000039100	ENSDARP00000092867	zgc:172244 [Source:ZFIN;Acc:ZDB-GENE-080219-24]	zgc:172244
ENSDARG00000074191	ENSDARP00000121967	zgc:172253 [Source:ZFIN;Acc:ZDB-GENE-080215-9]	zgc:172253
ENSDARG00000076958	ENSDARP00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260

ENSDARG00000074983	ENSDARP00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000073745	ENSDARP00000100493	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSDARG00000077110	ENSDARP00000100120	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSDARG00000087318	ENSDARP00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000074780	ENSDARP00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000074395	ENSDARP00000092570	zgc:174719 [Source:ZFIN;Acc:ZDB-GENE-080213-13]	zgc:174719
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077303	ENSDARP00000100715	zgc:174863 [Source:ZFIN;Acc:ZDB-GENE-080204-87]	zgc:174863
ENSDARG00000079278	ENSDARP00000105315	zgc:174877 [Source:ZFIN;Acc:ZDB-GENE-041008-66]	zgc:174877
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000075314	ENSDARP00000097990	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079255	ENSDARP00000124910	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSDARG00000062057	ENSDARP00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000087933	ENSDARP00000105700	zgc:174972 [Source:ZFIN;Acc:ZDB-GENE-080219-6]	zgc:174972
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000070378	ENSDARP00000093979	chemokine CCL-C25y-like (LOC100000034), mRNA [Source:RefSeq mRNA;Acc:NM_001128808]	ZGC:193706
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078423	ENSDARP00000102754	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000079697	ENSDARP00000097913	zgc:194908 [Source:ZFIN;Acc:ZDB-GENE-081022-164]	zgc:194908
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000074194	ENSDARP00000128856	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSDARG00000077138	ENSDARP00000101660	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSDARG00000042558	ENSDARP00000062421	zgc:63691 [Source:ZFIN;Acc:ZDB-GENE-040426-1240]	zgc:63691
ENSDARG00000022370	ENSDARP00000036667	zgc:64002 [Source:ZFIN;Acc:ZDB-GENE-040426-1329]	zgc:64002
ENSDARG00000033501	ENSDARP00000123517	zgc:64189 [Source:ZFIN;Acc:ZDB-GENE-040426-1397]	zgc:64189
ENSDARG00000071697	ENSDARP00000096976	zgc:66433 [Source:ZFIN;Acc:ZDB-GENE-030131-9832]	zgc:66433
ENSDARG00000052375	ENSDARP00000117811	zgc:66455 [Source:ZFIN;Acc:ZDB-GENE-040426-1642]	zgc:66455
ENSDARG00000075916	ENSDARP00000119811	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSDARG00000056381	ENSDARP00000073333	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000035678	ENSDARP00000051748	zgc:91910 [Source:ZFIN;Acc:ZDB-GENE-040808-48]	zgc:91910
ENSDARG00000027851	ENSDARP00000029152	zgc:92218 [Source:ZFIN;Acc:ZDB-GENE-050102-4]	zgc:92218
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zgf1p1
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000074270	ENSDARP00000127211	zinc finger protein 518A [Source:HGNC Symbol;Acc:HGNC:29009]	ZNF518A
ENSDARG00000056307	ENSDARP00000073242	zinc finger protein 706 [Source:ZFIN;Acc:ZDB-GENE-040718-454]	znf706
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000030805	ENSDARP00000050584	zinc finger, HIT-type containing 2 [Source:ZFIN;Acc:ZDB-GENE-061103-46]	znhit2
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000017055	ENSDARP00000021244	zinc finger, MYND-type containing 12 [Source:ZFIN;Acc:ZDB-GENE-041114-133]	zymnd12
ENSDARG00000035837	ENSDARP00000052003	novel gene	ENSDARG00000035837
ENSDARG00000029351	ENSDARP00000076453	novel gene	ENSDARG00000029351
ENSDARG00000069009	ENSDARP00000090818	novel gene	ENSDARG00000069009
ENSDARG00000076287	ENSDARP00000100723	novel gene	ENSDARG00000076287
ENSDARG00000077072	ENSDARP00000103683	novel gene	ENSDARG00000077072
ENSDARG00000086284	ENSDARP00000105324	novel gene	ENSDARG00000086284
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000088816	ENSDARP00000107884	novel gene	ENSDARG00000088816
ENSDARG00000091900	ENSDARP00000114807	novel gene	ENSDARG00000091900
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000088556	ENSDARP00000126845	novel gene	ENSDARG00000088556
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897
ENSDARG00000078130	ENSDARP00000129489	novel gene	ENSDARG00000078130

Supplemental table 12. Zebrafish specific genes compared to tilapia

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000074940	ENSDARP00000114895	selenoprotein 15 [Source:ZFIN;Acc:ZDB-GENE-030327-1]	sep15
ENSDARG00000078929	ENSDARP00000104594	abhydrolase domain containing 16A [Source:ZFIN;Acc:ZDB-GENE-010601-2]	abh16a
ENSDARG00000036092	ENSDARP00000052395	ACN9 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041010-94]	acn9
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000096339	ENSDARP00000100373	agrln [Source:ZFIN;Acc:ZDB-GENE-030131-1033]	agrln
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000077530	ENSDARP00000101996	AT hook containing transcription factor 1 [Source:ZFIN;Acc:ZDB-GENE-070521-2]	ahctf1
ENSDARG00000093453	ENSDARP00000125812	AT hook, DNA binding motif, containing 1 [Source:ZFIN;Acc:ZDB-GENE-060503-584]	ahd1
ENSDARG00000089073	ENSDARP00000128555	A kinase (PKRA) anchor protein 8-like [Source:ZFIN;Acc:ZDB-GENE-040426-2303]	akap8l
ENSDARG00000094414	ENSDARP00000127770	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	AKNAD1
ENSDARG00000087204	ENSDARP00000111981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXQ1]	AL807829.1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q192]	AL928877.2
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000089500	ENSDARP00000111945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QE7H]	AL935128.1
ENSDARG00000088951	ENSDARP00000111907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXW4]	AL935186.6
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000074779	ENSDARP00000098408	Alstrom syndrome 1 [Source:HGNC Symbol;Acc:HGNC:428]	ALMS1
ENSDARG00000056873	ENSDARP00000073905	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000092170	ENSDARP00000121190	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSDARG00000092155	ENSDARP00000112765	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSDARG00000076838	ENSDARP00000123136	apolipoprotein M [Source:ZFIN;Acc:ZDB-GENE-010605-5]	apom
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000069545	ENSDARP00000092078	ATG12 autophagy related 12 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-071205-7]	atg12
ENSDARG00000087693	ENSDARP00000105610	ATX1 antioxidant protein 1 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-120720-2]	atox1
ENSDARG00000014313	ENSDARP00000005644	ATP synthase, H+ transporting, mitochondrial FO complex, subunit F6 [Source:ZFIN;Acc:ZDB-GENE-040426-2534]	atp5j
ENSDARG00000077967	ENSDARP00000104105	ATP synthase, H+ transporting, mitochondrial FO complex, subunit F6 [Source:HGNC Symbol;Acc:HGNC:847]	ATP5J
ENSDARG00000089549	ENSDARP00000111050	brain and acute leukemia, cytoplasmic [Source:HGNC Symbol;Acc:HGNC:14333]	BAALC
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000090625	ENSDARP00000107570	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:HGNC:13787]	BCL2L12
ENSDARG00000053091	ENSDARP00000111806	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB [Source:HGNC Symbol;Acc:HGNC:13652]	BDP1
ENSDARG00000087413	ENSDARP00000108781	brain expressed, associated with NEDD4, 1 [Source:HGNC Symbol;Acc:HGNC:24160]	BEAN1
ENSDARG00000058978	ENSDARP00000076399	BRN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509]	BEND2
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSDARG00000052073	ENSDARP00000068337	bladder cancer associated protein [Source:ZFIN;Acc:ZDB-GENE-000330-7]	blcap
ENSDARG00000096603	ENSDARP00000126692	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSDARG00000041974	ENSDARP00000061519	BRICK1, SCAR/WAVE actin-nucleating complex subunit [Source:HGNC Symbol;Acc:HGNC:23057]	BRK1
ENSDARG00000086265	ENSDARP00000107868	Bartter syndrome, infantile, with sensorineural deafness (Barttin) [Source:ZFIN;Acc:ZDB-GENE-070705-548]	bsnd
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000096095	ENSDARP00000125536	bucky ball [Source:ZFIN;Acc:ZDB-GENE-070117-694]	buc
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB17]	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000055446	ENSDARP00000072273	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3Y4]	BX004983.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000089533	ENSDARP00000108313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV45]	BX005484.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F755]	BX248120.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000091744	ENSDARP00000107281	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7C8]	BX296557.7
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000091424	ENSDARP00000112305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEN7]	BX323035.1
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2

ENSDARG00000087961	ENSDARP00000105027	avidin-like (LOC567678), mRNA [Source:RefSeq mRNA;Acc:NM_001201442]	BX465186.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB6M]	BX465187.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.2
ENSDARG00000089019	ENSDARP00000111328	uncharacterized LOC568697 (LOC568697), mRNA [Source:RefSeq mRNA;Acc:NM_001198864]	BX470131.2
ENSDARG00000067658	ENSDARP00000088200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A3KNX7]	BX470189.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.2
ENSDARG00000075492	ENSDARP00000097684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTM7]	BX511227.1
ENSDARG00000070073	ENSDARP00000093324	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2D7]	BX530062.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000087506	ENSDARP00000104526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ11]	BX548011.3
ENSDARG00000078753	ENSDARP00000061918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQ78]	BX571813.1
ENSDARG00000090640	ENSDARP00000103736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QX11]	BX571813.2
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000071806	ENSDARP00000097248	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTU8]	BX572078.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (Tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000089822	ENSDARP00000107748	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1F481]	BX649341.2
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000088769	ENSDARP00000064012	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QX11]	BX649453.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000087182	ENSDARP00000098668	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXV8]	BX649556.1
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY13]	BX897747.3
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QX11]	BX901974.1
ENSDARG00000089800	ENSDARP00000104769	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EX28]	BX927237.2
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX952728.1
ENSDARG00000068982	ENSDARP00000090764	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C10H11orf63
ENSDARG00000095594	ENSDARP00000116545	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40051]	C10H5orf63
ENSDARG00000032885	ENSDARP00000046158	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Acc:HGNC:28567]	C11H1orf158
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H2orf96
ENSDARG00000086324	ENSDARP00000109297	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc:HGNC:25024]	C11H3orf14
ENSDARG00000086310	ENSDARP00000112232	chromosome 10 open reading frame 107 [Source:HGNC Symbol;Acc:HGNC:28678]	C12H10orf107
ENSDARG00000086945	ENSDARP00000110271	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C12H10orf71
ENSDARG00000096777	ENSDARP00000127203	chromosome 16 open reading frame 93 [Source:HGNC Symbol;Acc:HGNC:28078]	C12H16orf93
ENSDARG00000096749	ENSDARP00000127121	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:33551]	C12H17orf89
ENSDARG00000055070	ENSDARP00000071850	C10orf32-ASMT readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:49183]	C13H10orf32
ENSDARG00000086970	ENSDARP00000106442	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:26973]	C13H10orf71
ENSDARG00000078140	ENSDARP00000101672	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc:HGNC:26324]	C13H2orf50
ENSDARG00000057006	ENSDARP00000074046	chromosome 4 open reading frame 32 [Source:HGNC Symbol;Acc:HGNC:26813]	C13H4orf32
ENSDARG00000075203	ENSDARP00000111118	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:26197]	C14H11orf80
ENSDARG00000037142	ENSDARP00000054005	chromosome 4 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:34346]	C14H4orf47
ENSDARG00000074071	ENSDARP00000101365	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:30817]	C14H5orf45
ENSDARG00000090981	ENSDARP00000105287	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc:HGNC:33713]	C14HXorf65
ENSDARG00000097648	ENSDARP00000128808	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C15H11orf87
ENSDARG00000091366	ENSDARP00000108496	chromosome 14 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:20127]	C17H14orf80
ENSDARG00000070461	ENSDARP00000094210	chromosome 15 open reading frame 41 [Source:HGNC Symbol;Acc:HGNC:26929]	C17H15orf41
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000075206	ENSDARP00000104159	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:32296]	C17H8orf74
ENSDARG0000018281	ENSDARP00000118151	chromosome 15 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:26782]	C18H15orf26
ENSDARG00000069168	ENSDARP00000091231	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:24497]	C18H15orf39
ENSDARG00000092903	ENSDARP00000112838	chromosome 15 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:29898]	C18H15orf48
ENSDARG00000090951	ENSDARP00000110613	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:HGNC:26800]	C19H1orf216
ENSDARG00000091932	ENSDARP00000129318	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc:HGNC:19076]	C19H6orf47
ENSDARG00000059816	ENSDARP00000078007	chromosome 19 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:24991]	C19H19orf53
ENSDARG00000091513	ENSDARP00000105219	chromosome 3 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33731]	C19H3orf70
ENSDARG00000089110	ENSDARP00000108836	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:27938]	C20H2orf70
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000071439	ENSDARP00000096390	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]	C22H1orf53
ENSDARG00000098029	ENSDARP00000127626	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Acc:HGNC:26730]	C23H1orf127
ENSDARG00000070868	ENSDARP00000083775	chromosome 1 open reading frame 192 [Source:HGNC Symbol;Acc:HGNC:32325]	C23H1orf192
ENSDARG00000089979	ENSDARP00000117470	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C24H18orf63
ENSDARG00000089139	ENSDARP00000107951	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:25142]	C25H11orf74
ENSDARG00000097208	ENSDARP00000129219	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:38675]	C25H11orf96
ENSDARG00000076896	ENSDARP00000099916	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Acc:HGNC:28716]	C25H10orf67
ENSDARG00000063341	ENSDARP00000086911	chromosome 1 open reading frame 123 [Source:HGNC Symbol;Acc:HGNC:26059]	C25H1orf123
ENSDARG00000090664	ENSDARP00000105162	chromosome 17 open reading frame 104 [Source:HGNC Symbol;Acc:HGNC:26670]	C3H17orf104
ENSDARG00000052176	ENSDARP00000068467	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:25649]	C3H19orf66
ENSDARG00000074266	ENSDARP00000053891	chromosome 7 open reading frame 55 [Source:HGNC Symbol;Acc:HGNC:26946]	C3H7orf55
ENSDARG00000090173	ENSDARP00000105834	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:HGNC:1163]	C5H11orf1
ENSDARG00000059636	ENSDARP00000075709	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C5H2orf42
ENSDARG00000093783	ENSDARP00000115351	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:26553]	C5H3orf30

ENSDARG00000068122	ENSDARP00000116312	chromosome 9 open reading frame 171 [Source:HGNC Symbol;Acc:HGNC:33776]	C5H9orf171
ENSDARG00000068130	ENSDARP00000089108	chromosome 9 open reading frame 9 [Source:HGNC Symbol;Acc:HGNC:1367]	C5H9orf9
ENSDARG00000044549	ENSDARP00000125904	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:13300]	C6H21orf58
ENSDARG00000061023	ENSDARP00000081018	chromosome 17 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:25939]	C8H17orf59
ENSDARG00000092360	ENSDARP00000115603	chromosome 22 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:27012]	C8H22orf39
ENSDARG00000058940	ENSDARP00000076347	chromosome 9 open reading frame 116 [Source:HGNC Symbol;Acc:HGNC:28435]	C8H9orf116
ENSDARG00000037199	ENSDARP00000117605	chromosome 2 open reading frame 76 [Source:HGNC Symbol;Acc:HGNC:27017]	C9H2orf76
ENSDARG00000061664	ENSDARP00000082632	chromosome 3 open reading frame 70 [Source:HGNC Symbol;Acc:HGNC:33731]	C9H3orf70
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY77]	CABZ01002339.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWG5]	CABZ01015787.1
ENSDARG00000079713	ENSDARP00000104032	chemokine CCL-C10b (LOC794616), mRNA [Source:RefSeq mRNA;Acc:NM_001128268]	CABZ01016604.1
ENSDARG00000090401	ENSDARP00000111760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP8]	CABZ01020840.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7F0X2]	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000088483	ENSDARP00000109956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QCX7]	CABZ01031933.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000090262	ENSDARP00000104704	CABZ01044069.1	CABZ01044069.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1	CABZ01052573.1
ENSDARG00000087460	ENSDARP00000104819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXL0]	CABZ01052953.1
ENSDARG00000086154	ENSDARP00000108151	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR51]	CABZ01053196.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0I5]	CABZ01056821.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089252	ENSDARP00000106481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB80]	CABZ01058048.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CABZ01058371.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYP6]	CABZ01063534.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000089734	ENSDARP00000109290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZM7]	CABZ01065246.2
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000090497	ENSDARP00000105973	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3E0]	CABZ01067150.2
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD53]	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD55]	CABZ01071911.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1	CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090143	ENSDARP00000110950	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWM4]	CABZ01074659.1
ENSDARG00000091743	ENSDARP00000112338	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEL6]	CABZ01074712.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q735]	CABZ01078262.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QG90]	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000039785	ENSDARP00000058175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXD1]	CABZ01078610.1
ENSDARG00000088221	ENSDARP00000109879	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ02]	CABZ01078611.1
ENSDARG00000091137	ENSDARP00000112384	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RC93]	CABZ01079258.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CABZ01079302.1
ENSDARG00000087503	ENSDARP00000106733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9F3]	CABZ01079386.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYI8]	CABZ01079804.1

ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYX7]	CABZ01079804.2
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000087802	ENSDARP00000108867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGA9]	CABZ01080590.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090122	ENSDARP00000108340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F830]	CABZ01081897.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088827	ENSDARP00000107421	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3P8]	CABZ01083776.1
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE55]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CABZ01111604.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089275	ENSDARP00000105843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QXY9]	CABZ01112401.1
ENSDARG00000089657	ENSDARP00000106666	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QAY5]	CABZ01113414.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QQW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000058486	ENSDARP00000075799	calyphosine 2 [Source:ZFIN;Acc:ZDB-GENE-091204-449]	caps2
ENSDARG00000019950	ENSDARP00000118967	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000053455	ENSDARP00000069975	coiled-coil domain containing 103 [Source:ZFIN;Acc:ZDB-GENE-040718-253]	ccdc103
ENSDARG00000086557	ENSDARP00000108741	coiled-coil domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-120215-134]	ccdc14
ENSDARG00000095675	ENSDARP00000112984	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	CCDC141
ENSDARG00000047800	ENSDARP00000024005	coiled-coil domain containing 142 [Source:HGNC Symbol;Acc:HGNC:25889]	CCDC142
ENSDARG00000078829	ENSDARP00000098966	coiled-coil domain containing 149a [Source:ZFIN;Acc:ZDB-GENE-041010-113]	ccdc149a
ENSDARG00000020857	ENSDARP00000107549	coiled-coil domain containing 149b [Source:ZFIN;Acc:ZDB-GENE-040718-465]	ccdc149b
ENSDARG00000090935	ENSDARP00000126903	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGNC:26834]	CCDC150
ENSDARG00000016161	ENSDARP00000109703	coiled-coil domain containing 170 [Source:ZFIN;Acc:ZDB-GENE-070112-162]	ccdc170
ENSDARG00000089320	ENSDARP00000129277	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSDARG00000052379	ENSDARP00000090542	coiled-coil domain containing 22 [Source:ZFIN;Acc:ZDB-GENE-050913-93]	ccdc22
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000097704	ENSDARP00000128499	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSDARG00000089863	ENSDARP00000104714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY31]	CCDC57
ENSDARG00000071314	ENSDARP00000096141	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564]	CCDC57
ENSDARG00000032005	ENSDARP00000043945	coiled-coil domain containing 65 [Source:ZFIN;Acc:ZDB-GENE-030616-358]	ccdc65
ENSDARG00000017771	ENSDARP00000070338	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGNC:27709]	CCDC66
ENSDARG00000093805	ENSDARP00000126536	coiled-coil domain containing 73 [Source:ZFIN;Acc:ZDB-GENE-080812-3]	ccdc73
ENSDARG00000093026	ENSDARP00000120045	coiled-coil domain containing 74B [Source:HGNC Symbol;Acc:HGNC:25267]	CCDC74B
ENSDARG00000077179	ENSDARP00000103987	coiled-coil domain containing 83 [Source:ZFIN;Acc:ZDB-GENE-130723-1]	ccdc83
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000074703	ENSDARP00000090527	coiled-coil domain containing 97 [Source:HGNC Symbol;Acc:HGNC:28289]	CCDC97
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000013628	ENSDARP00000002468	CD164 molecule, sialomucin [Source:ZFIN;Acc:ZDB-GENE-030131-1598]	cd164
ENSDARG00000096327	ENSDARP00000126071	CD164 sialomucin-like 2 [Source:ZFIN;Acc:ZDB-GENE-120215-174]	cd164i2
ENSDARG00000095070	ENSDARP00000115721	CD28 molecule [Source:ZFIN;Acc:ZDB-GENE-070912-128]	cd28
ENSDARG00000090386	ENSDARP00000129304	CD3e molecule, epsilon associated protein [Source:ZFIN;Acc:ZDB-GENE-101202-2]	cd3eap
ENSDARG00000023724	ENSDARP00000034273	CDC42 small effector 1 [Source:ZFIN;Acc:ZDB-GENE-030131-9260]	cdc42se1
ENSDARG00000094577	ENSDARP00000123282	CDC42 small effector 2 [Source:HGNC Symbol;Acc:HGNC:18547]	CDC42SE2
ENSDARG00000020201	ENSDARP00000129750	cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-1309]	cdc73
ENSDARG00000069700	ENSDARP00000092394	cyclin-dependent kinase 2 associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-040718-35]	cdk2ap2
ENSDARG00000044135	ENSDARP00000064804	centromere protein P [Source:ZFIN;Acc:ZDB-GENE-040801-74]	cenpp
ENSDARG00000088924	ENSDARP00000106330	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	CENPU
ENSDARG00000053106	ENSDARP00000107217	centrosomal protein 44 [Source:ZFIN;Acc:ZDB-GENE-060929-392]	cep44
ENSDARG00000040479	ENSDARP00000053887	glycoprotein hormones, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-040715-2]	cha
ENSDARG00000068156	ENSDARP00000089144	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-080204-55]	chchd7
ENSDARG00000076500	ENSDARP00000101923	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSDARG00000016290	ENSDARP00000047530	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSDARG00000042996	ENSDARP00000063128	COX assembly mitochondrial protein 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-2626]	cmc1
ENSDARG00000043635	ENSDARP00000064075	COX assembly mitochondrial protein 2 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030616-409]	cmc2
ENSDARG00000097030	ENSDARP00000129471	C-x(9)-C motif containing 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-120216-1]	cmc4
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000074312	ENSDARP00000098911	cytochrome C oxidase assembly factor 3 [Source:ZFIN;Acc:ZDB-GENE-060810-187]	coa3
ENSDARG00000097456	ENSDARP00000128959	cytochrome c oxidase assembly factor 3 [Source:HGNC Symbol;Acc:HGNC:24990]	COA3
ENSDARG00000092677	ENSDARP00000114231	cytochrome c oxidase assembly factor 6 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:18025]	COA6
ENSDARG00000059510	ENSDARP00000077232	coenzyme Q2 homolog, prenyltransferase (yeast) [Source:ZFIN;Acc:ZDB-GENE-070410-84]	coq2
ENSDARG00000092124	ENSDARP00000117013	cytochrome c oxidase assembly homolog 14 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-060503-626]	cox14

ENSDARG00000039136	ENSDARP00000057163	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050417-60]	cox16
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSDARG00000097209	ENSDARP00000128720	cytochrome c oxidase subunit 8b [Source:ZFIN;Acc:ZDB-GENE-110620-4]	cox8b
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000091062	ENSDARP00000103838	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q6G1]	CR356227.1
ENSDARG00000091736	ENSDARP00000103875	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6L0]	CR381551.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000090754	ENSDARP00000104690	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYF1]	CR384075.2
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385056.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000089835	ENSDARP00000104499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZE4]	CR394568.1
ENSDARG00000089998	ENSDARP00000098603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBU3]	CR407547.1
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000090899	ENSDARP00000107370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F4D5]	CR450711.2
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450800.2
ENSDARG00000090954	ENSDARP00000101581	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY17]	CR450840.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FCV7]	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q54]	CR548627.1
ENSDARG00000091468	ENSDARP00000110790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7K6]	CR626874.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000070813	ENSDARP00000070409	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGG4]	CR847898.1
ENSDARG00000089762	ENSDARP00000105212	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F529]	CR848833.1
ENSDARG00000090480	ENSDARP00000109633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT1]	CR854855.2
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7FEU5]	CR936540.2
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000052413	ENSDARP00000111744	cytokine receptor family member B12 [Source:ZFIN;Acc:ZDB-GENE-060421-4184]	crfb12
ENSDARG00000075776	ENSDARP00000103487	cytokine receptor family member B15 [Source:ZFIN;Acc:ZDB-GENE-071120-6]	crfb15
ENSDARG00000038000	ENSDARP00000055384	cardiolipin synthase 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2519]	crfs1
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZC8]	CT027679.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000089071	ENSDARP00000109086	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1E7]	CT573239.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000075807	ENSDARP00000099340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBR2]	CT867973.1
ENSDARG00000088436	ENSDARP00000106563	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLL6]	CT956064.3
ENSDARG00000070119	ENSDARP00000093415	CTS telomere maintenance complex component 1 [Source:ZFIN;Acc:ZDB-GENE-061103-271]	ctc1
ENSDARG00000090332	ENSDARP00000110744	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	CTXN1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6S6]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0R1]	CU467646.3
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000089920	ENSDARP00000105776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F424]	CU571255.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000090054	ENSDARP00000111802	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYC3]	CU571336.2
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC100000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2

ENSDARG00000089744	ENSDARP00000109611	CU633479.3		CU633479.3
ENSDARG00000086704	ENSDARP00000107408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3T2]		CU638740.3
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNB7]		CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1		CU681842.1
ENSDARG00000089075	ENSDARP00000112095	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGB9]		CU694221.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]		CU694226.3
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F555]		CU855780.1
ENSDARG00000091193	ENSDARP00000110336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU30]		CU861891.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QTZ5]		CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1		CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]		CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]		CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]		CU929133.1
ENSDARG00000087392	ENSDARP00000107175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F017]		CU929143.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R253]		CU929149.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]		CU984580.4
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F144]		CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:RGDZ6]		cul4a
ENSDARG00000095747	ENSDARP00000123477	CXC chemokine 64 [Source:ZFIN;Acc:ZDB-GENE-060526-319]		cxcl6a
ENSDARG00000056627	ENSDARP00000109550	chemokine (C-X-C motif) ligand 14 [Source:ZFIN;Acc:ZDB-GENE-000619-1]		cxcl14
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]		cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]		cxcl-c5c
ENSDARG00000086728	ENSDARP00000106158	chromosome X open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:26356]		Czv9_scaffold3516HXorf58
ENSDARG00000000069	ENSDARP00000000070	death associated protein [Source:ZFIN;Acc:ZDB-GENE-000511-3]		dap
ENSDARG00000039016	ENSDARP00000056950	DCP2 decapping enzyme homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-851]		dcp2
ENSDARG00000088690	ENSDARP00000104984	DNA damage-induced apoptosis suppressor [Source:HGNC Symbol;Acc:HGNC:26351]		DDIAS
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]		def8
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]		defb1
ENSDARG00000096380	ENSDARP00000125973	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]		defb2
ENSDARG00000097181	ENSDARP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]		defb3
ENSDARG00000055474	ENSDARP00000072301	dexamethasone-induced transcript [Source:ZFIN;Acc:ZDB-GENE-040808-20]		dexi
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]		DLEU7
ENSDARG00000086855	ENSDARP00000090162	DNL-type zinc finger [Source:ZFIN;Acc:ZDB-GENE-070112-1482]		dnlz
ENSDARG00000095623	ENSDARP00000119493	dolichol-phosphate (beta-D) mannosyltransferase 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9093]		dpm2
ENSDARG00000089922	ENSDARP00000104986	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]		DSN1
ENSDARG00000096953	ENSDARP00000129285	enoyl CoA hydratase 1, peroxisomal [Source:HGNC Symbol;Acc:HGNC:3149]		ECH1
ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]		ecscr
ENSDARG00000042937	ENSDARP00000098468	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HGNC:24204]		EFCAB6
ENSDARG00000036116	ENSDARP00000052433	eukaryotic translation initiation factor 3, subunit H, b [Source:ZFIN;Acc:ZDB-GENE-051030-42]		eif3hb
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]		elna
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]		elnb
ENSDARG00000095774	ENSDARP00000117124	emerin (Emery-Dreifuss muscular dystrophy) [Source:ZFIN;Acc:ZDB-GENE-070501-2]		emd
ENSDARG00000070046	ENSDARP00000093259	enhancer of yellow 2 homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-040718-124]		eny2
ENSDARG00000094578	ENSDARP00000115913	epithelial stromal interaction 1 [Source:ZFIN;Acc:ZDB-GENE-081104-172]		epst1
ENSDARG00000090936	ENSDARP00000106252	glutamate-rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]		ERICH2
ENSDARG00000074915	ENSDARP00000126690	Ewing tumor-associated antigen 1 [Source:ZFIN;Acc:ZDB-GENE-080204-12]		etaa1
ENSDARG00000042727	ENSDARP00000105428	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]		EXO5
ENSDARG00000039743	ENSDARP00000058083	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:ZFIN;Acc:ZDB-GENE-030131-1091]		fah
ENSDARG00000002685	ENSDARP00000003320	family with sequence similarity 113 [Source:ZFIN;Acc:ZDB-GENE-041212-23]		fam113
ENSDARG00000075264	ENSDARP00000104311	family with sequence similarity 124A [Source:HGNC Symbol;Acc:HGNC:26413]		FAM124A
ENSDARG00000087489	ENSDARP00000109776	family with sequence similarity 124B [Source:HGNC Symbol;Acc:HGNC:26224]		FAM124B
ENSDARG00000006474	ENSDARP00000053859	family with sequence similarity 154, member B [Source:ZFIN;Acc:ZDB-GENE-051127-27]		fam154b
ENSDARG00000089742	ENSDARP00000110366	family with sequence similarity 161, member A [Source:HGNC Symbol;Acc:HGNC:25808]		FAM161A
ENSDARG00000089467	ENSDARP00000111624	family with sequence similarity 161, member B [Source:ZFIN;Acc:ZDB-GENE-120928-1]		fam161b
ENSDARG00000078871	ENSDARP00000099646	family with sequence similarity 166, member B [Source:ZFIN;Acc:ZDB-GENE-070209-41]		fam166b
ENSDARG00000088505	ENSDARP00000109102	family with sequence similarity 217, member B [Source:ZFIN;Acc:ZDB-GENE-090313-236]		fam217b
ENSDARG00000091799	ENSDARP00000107667	family with sequence similarity 217, member B [Source:HGNC Symbol;Acc:HGNC:16170]		FAM217B
ENSDARG00000042936	ENSDARP00000063033	family with sequence similarity 228, member A [Source:ZFIN;Acc:ZDB-GENE-041014-83]		fam228a
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]		fam60al
ENSDARG00000054222	ENSDARP00000070860	F-box and leucine-rich repeat protein 8 [Source:ZFIN;Acc:ZDB-GENE-051120-81]		fbxl8
ENSDARG00000094473	ENSDARP00000061499	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:HGNC:29408]		FHAD1
ENSDARG00000071198	ENSDARP00000095873	fgfr10p N-terminal like [Source:ZFIN;Acc:ZDB-GENE-101124-1]		fopnl
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]		fosl1b
ENSDARG00000093910	ENSDARP00000120136	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QH16]		FP015791.1
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E273]		FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]		FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]		FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F253]		FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]		FP085412.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]		FP102887.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]		FP236789.2
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9G292]		FP245465.3
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E43]		FP245472.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]		FP326665.1
ENSDARG00000088117	ENSDARP00000106843	fucosyltransferase 8 (alpha (1,6) fucosyltransferase) [Source:HGNC Symbol;Acc:HGNC:4019]		FUT8
ENSDARG00000015449	ENSDARP0000017854	fucosyltransferase 8a (alpha (1,6) fucosyltransferase) [Source:ZFIN;Acc:ZDB-GENE-031118-20]		fut8a
ENSDARG00000074356	ENSDARP00000115873	frataxin [Source:ZFIN;Acc:ZDB-GENE-070209-286]		fxn
ENSDARG00000040059	ENSDARP00000058586	glycogen synthase kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-990714-7]		gbp
ENSDARG00000089310	ENSDARP00000106674	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]		gc

ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000056214	ENSDARP00000073133	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSDARG00000038700	ENSDARP00000056518	G protein-coupled receptor 160 [Source:ZFIN;Acc:ZDB-GENE-081022-189]	gpr160
ENSDARG00000092290	ENSDARP00000118059	germ cell associated 2 (haspin) [Source:HGNC Symbol;Acc:HGNC:19682]	GS62
ENSDARG00000037706	ENSDARP00000054908	glutathione synthetase [Source:ZFIN;Acc:ZDB-GENE-041010-208]	gss
ENSDARG00000054058	ENSDARP00000070677	H1 histone family, member X [Source:ZFIN;Acc:ZDB-GENE-030131-1228]	h1fx
ENSDARG00000090753	ENSDARP00000129667	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:16761]	HEATR4
ENSDARG00000053127	ENSDARP00000058019	helicase (DNA) B [Source:ZFIN;Acc:ZDB-GENE-030729-16]	helb
ENSDARG00000087842	ENSDARP00000112080	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmga1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2
ENSDARG00000036754	ENSDARP00000113097	high mobility group nucleosomal binding domain 3 [Source:ZFIN;Acc:ZDB-GENE-041114-180]	hmg3
ENSDARG00000034222	ENSDARP00000043665	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	HS1BP3
ENSDARG00000075984	ENSDARP00000099139	heat shock factor binding protein 1 [Source:HGNC Symbol;Acc:HGNC:5203]	HSBP1
ENSDARG00000069425	ENSDARP00000091818	heat shock factor binding protein 1a [Source:ZFIN;Acc:ZDB-GENE-050320-136]	hsbp1a
ENSDARG00000041921	ENSDARP00000061434	heat shock factor binding protein 1b [Source:ZFIN;Acc:ZDB-GENE-040426-1721]	hsbp1b
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000087131	ENSDARP00000108103	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSDARG00000069012	ENSDARP00000058506	interferon phi 2 [Source:ZFIN;Acc:ZDB-GENE-071128-1]	ifnphi2
ENSDARG00000091391	ENSDARP00000105715	Intraflagellar transport protein 43 homolog [Source:UniProtKB/Swiss-Prot;Acc:E7F555]	IFT43
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000078520	ENSDARP00000110236	IKBKB interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBIP
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000089131	ENSDARP00000127663	interleukin 17 receptor E-like [Source:ZFIN;Acc:ZDB-GENE-120112-1]	il17rel
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000092483	ENSDARP00000117041	IQ motif containing C [Source:ZFIN;Acc:ZDB-GENE-090313-325]	iqcc
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSDARG00000076831	ENSDARP00000102959	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSDARG00000041071	ENSDARP00000060173	jagunal homolog 1a (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-041010-80]	jagn1a
ENSDARG00000014995	ENSDARP00000012395	jagunal homolog 1b (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-040801-103]	jagn1b
ENSDARG00000070150	ENSDARP00000093477	jumping translocation breakpoint [Source:ZFIN;Acc:ZDB-GENE-060503-674]	jtb
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000077721	ENSDARP000000112564	lysine-rich nucleolar protein 1 [Source:ZFIN;Acc:ZDB-GENE-090313-76]	knop1
ENSDARG00000070386	ENSDARP00000093996	keratinocyte associated protein 2 [Source:ZFIN;Acc:ZDB-GENE-060825-91]	krtcap2
ENSDARG00000094801	ENSDARP00000117579	l(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	l3mbtl1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000091085	ENSDARP00000111103	leptin a [Source:ZFIN;Acc:ZDB-GENE-081001-1]	lepa
ENSDARG00000070833	ENSDARP00000095107	lin-52 homolog (C. elegans) [Source:ZFIN;Acc:ZDB-GENE-061110-82]	lin52
ENSDARG00000069696	ENSDARP00000092390	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRIF1
ENSDARG00000096908	ENSDARP00000128409	leucine rich repeat containing 19 [Source:HGNC Symbol;Acc:HGNC:23379]	LRRC19
ENSDARG00000096306	ENSDARP00000125718	leucine rich repeat containing 41 [Source:HGNC Symbol;Acc:HGNC:16917]	LRRC41
ENSDARG00000088492	ENSDARP00000111923	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGNC:25965]	LRRC49
ENSDARG00000077357	ENSDARP00000098514	leucine rich repeat containing 61 [Source:HGNC Symbol;Acc:HGNC:21704]	LRRC61
ENSDARG00000068247	ENSDARP00000113593	leucine zipper protein 2 [Source:ZFIN;Acc:ZDB-GENE-060503-278]	luzp2
ENSDARG00000090649	ENSDARP00000108717	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	LY86
ENSDARG00000056874	ENSDARP00000073908	lysozyme g-like 1 [Source:ZFIN;Acc:ZDB-GENE-040718-461]	lyg1
ENSDARG00000026281	ENSDARP00000117995	LYR motif containing 1 [Source:ZFIN;Acc:ZDB-GENE-040718-210]	lyrm1
ENSDARG00000033138	ENSDARP00000041191	LYR motif containing 2 [Source:ZFIN;Acc:ZDB-GENE-040914-27]	lyrm2
ENSDARG00000078352	ENSDARP00000103510	LYR motif containing 4 [Source:ZFIN;Acc:ZDB-GENE-081104-295]	lyrm4
ENSDARG00000079815	ENSDARP00000099103	LYR motif containing 7 [Source:HGNC Symbol;Acc:HGNC:28072]	LYRM7
ENSDARG00000075528	ENSDARP00000100356	LYR motif containing 9 [Source:ZFIN;Acc:ZDB-GENE-081022-28]	lyrm9
ENSDARG00000018432	ENSDARP00000018076	mannose-6-phosphate receptor (cation dependent) [Source:ZFIN;Acc:ZDB-GENE-040426-2285]	m6pr
ENSDARG00000036851	ENSDARP00000124905	MANSC domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-070209-77]	mansc1
ENSDARG00000011724	ENSDARP00000011783	MARVEL domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050208-33]	marveld1
ENSDARG00000021572	ENSDARP00000036480	Mab-21 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-090313-23]	mb21d1
ENSDARG00000087450	ENSDARP00000107850	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6935]	MCC
ENSDARG00000088040	ENSDARP00000108620	magnesium-dependent phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28781]	MDP1
ENSDARG00000069337	ENSDARP00000066153	mediator complex subunit 11 [Source:ZFIN;Acc:ZDB-GENE-091207-2]	med11
ENSDARG00000014148	ENSDARP00000111825	mediator complex subunit 22 [Source:ZFIN;Acc:ZDB-GENE-040625-156]	med22

ENSDARG0000008020	ENSDARP00000104686	mediator of RNA polymerase II transcription, subunit 31 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-114]	med31
ENSDARG00000096631	ENSDARP00000126587	mediator complex subunit 9 [Source:HGNC Symbol;Acc:HGNC:25487]	MED9
ENSDARG00000071339	ENSDARP00000096205	mef2b neighbor [Source:ZFIN;Acc:ZDB-GENE-050208-757]	mef2bmb
ENSDARG00000045705	ENSDARP00000067188	meiosis expressed gene 1 homolog [Source:ZFIN;Acc:ZDB-GENE-050320-33]	meig1
ENSDARG00000032319	ENSDARP00000041069	mesoderm specific transcript [Source:ZFIN;Acc:ZDB-GENE-991111-5]	mest
ENSDARG00000088346	ENSDARP00000109847	migration and invasion inhibitory protein [Source:HGNC Symbol;Acc:HGNC:25715] myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	MIIP
ENSDARG00000071026	ENSDARP00000095520	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlt11
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000055290	ENSDARP00000072103	macrophage expressed 1 [Source:ZFIN;Acc:ZDB-GENE-030131-7347]	mpeg1
ENSDARG00000043093	ENSDARP00000063271	macrophage expressed 1 [Source:HGNC Symbol;Acc:HGNC:29619]	MPEG1
ENSDARG00000078986	ENSDARP00000101285	M-phase specific PLK1 interacting protein [Source:ZFIN;Acc:ZDB-GENE-070912-182]	mplkip
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrp
ENSDARG00000056903	ENSDARP00000073936	mitochondrial ribosomal protein L13 [Source:ZFIN;Acc:ZDB-GENE-050522-167]	mrp13
ENSDARG00000076334	ENSDARP00000102301	mitochondrial ribosomal protein L43 [Source:ZFIN;Acc:ZDB-GENE-040718-125]	mrp43
ENSDARG00000020015	ENSDARP00000048674	mitochondrial ribosomal protein S33 [Source:ZFIN;Acc:ZDB-GENE-040715-6]	mrps33
ENSDARG00000059595	ENSDARP00000128521	membrane-spanning 4-domains, subfamily A, member 17A.10 [Source:ZFIN;Acc:ZDB-GENE-080829-3]	ms4a17a.10
ENSDARG00000094809	ENSDARP00000120959	membrane-spanning 4-domains, subfamily A, member 17A.14 [Source:ZFIN;Acc:ZDB-GENE-070705-363]	ms4a17a.14
ENSDARG00000093546	ENSDARP0000007146	membrane-spanning 4-domains, subfamily A, member 17A.2 [Source:ZFIN;Acc:ZDB-GENE-070705-367]	ms4a17a.2
ENSDARG00000091970	ENSDARP00000128604	membrane-spanning 4-domains, subfamily A, member 17A.3 [Source:ZFIN;Acc:ZDB-GENE-080829-1]	ms4a17a.3
ENSDARG00000007018	ENSDARP00000070084	membrane-spanning 4-domains, subfamily A, member 17A.6 [Source:ZFIN;Acc:ZDB-GENE-070209-265]	ms4a17a.6
ENSDARG00000043796	ENSDARP00000064311	membrane-spanning 4-domains, subfamily A, member 17A.7 [Source:ZFIN;Acc:ZDB-GENE-080829-2]	ms4a17a.7
ENSDARG00000094854	ENSDARP00000116235	membrane-spanning 4-domains, subfamily A, member 17A.8 [Source:ZFIN;Acc:ZDB-GENE-070705-365]	ms4a17a.8
ENSDARG00000094643	ENSDARP00000122630	membrane-spanning 4-domains, subfamily A, member 17C.1 [Source:ZFIN;Acc:ZDB-GENE-080829-9]	ms4a17c.1
ENSDARG00000052664	ENSDARP00000069045	mesothelin [Source:HGNC Symbol;Acc:HGNC:7371]	MSLN
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000063911	ENSDARP00000087874	ATP synthase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-18]	mt-atp6
ENSDARG00000063910	ENSDARP00000087873	ATP synthase 8, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-19]	mt-atp8
ENSDARG00000063905	ENSDARP00000087871	cytochrome c oxidase I, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-14]	mt-co1
ENSDARG00000063908	ENSDARP00000087872	cytochrome c oxidase II, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-15]	mt-co2
ENSDARG00000063912	ENSDARP00000087875	cytochrome c oxidase III, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-16]	mt-co3
ENSDARG00000063924	ENSDARP00000087881	cytochrome b, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-17]	mt-cyb
ENSDARG00000063895	ENSDARP00000087869	NADH dehydrogenase 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-7]	mt-nd1
ENSDARG00000063899	ENSDARP00000087870	NADH dehydrogenase 2, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-8]	mt-nd2
ENSDARG00000063914	ENSDARP00000087876	NADH dehydrogenase 3, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-9]	mt-nd3
ENSDARG00000063917	ENSDARP00000087878	NADH dehydrogenase 4, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-10]	mt-nd4
ENSDARG00000063916	ENSDARP00000087877	NADH dehydrogenase 4L, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-11]	mt-nd4l
ENSDARG00000063921	ENSDARP00000087879	NADH dehydrogenase 5, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-12]	mt-nd5
ENSDARG00000063922	ENSDARP00000087880	NADH dehydrogenase 6, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-011205-13]	mt-nd6
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSDARG00000069566	ENSDARP00000116854	mucin, multiple PTS and SEA group, member 1 [Source:ZFIN;Acc:ZDB-GENE-061009-17]	mucms1
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvdb
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000096668	ENSDARP00000126983	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:HGNC:33830]	MZT1
ENSDARG0000004692	ENSDARP00000005126	nucleic acid binding protein 1a [Source:ZFIN;Acc:ZDB-GENE-041212-71]	nabp1a
ENSDARG00000043685	ENSDARP00000064148	nucleic acid binding protein 1b [Source:ZFIN;Acc:ZDB-GENE-050913-74]	nabp1b
ENSDARG00000090976	ENSDARP00000105492	nucleic acid binding protein 2 [Source:HGNC Symbol;Acc:HGNC:28412]	NABP2
ENSDARG0000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000042777	ENSDARP00000062786	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11 [Source:ZFIN;Acc:ZDB-GENE-040426-1631]	ndufa11
ENSDARG00000087456	ENSDARP00000105840	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa [Source:HGNC Symbol;Acc:HGNC:7695]	NDUFB1
ENSDARG00000043467	ENSDARP00000063816	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11 [Source:ZFIN;Acc:ZDB-GENE-050309-25]	ndufb11
ENSDARG00000045490	ENSDARP00000066903	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa [Source:HGNC Symbol;Acc:HGNC:7697]	NDUFB2
ENSDARG00000075709	ENSDARP00000100071	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3 [Source:ZFIN;Acc:ZDB-GENE-091204-407]	ndufb3
ENSDARG00000090389	ENSDARP00000092990	NADH dehydrogenase (ubiquinone) flavoprotein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-6500]	ndufv3
ENSDARG00000068125	ENSDARP00000089099	NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050417-365]	nfu1
ENSDARG00000042004	ENSDARP00000093838	nuclear transcription factor Y, alpha [Source:ZFIN;Acc:ZDB-GENE-010501-1]	nfy
ENSDARG0000001621	ENSDARP00000015851	nuclear transcription factor Y, alpha, like [Source:ZFIN;Acc:ZDB-GENE-040718-491]	nfyal
ENSDARG00000003205	ENSDARP00000008500	N-glycanase 1 [Source:ZFIN;Acc:ZDB-GENE-050522-535]	ngly1
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkdl
ENSDARG00000020332	ENSDARP00000102226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000056162	ENSDARP00000115972	nuclear receptor 2C2-associated protein [Source:ZFIN;Acc:ZDB-GENE-050208-758]	nr2c2ap
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000022461	ENSDARP00000032384	nudix (nucleoside diphosphate linked moiety X)-type motif 15 [Source:ZFIN;Acc:ZDB-GENE-040625-95]	nud15
ENSDARG00000088910	ENSDARP00000108030	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:HGNC:8059]	NUMA1
ENSDARG00000057426	ENSDARP00000074549	O-acetyl-ADP-ribose deacylase 1 [Source:ZFIN;Acc:ZDB-GENE-050522-480]	oard1
ENSDARG00000075682	ENSDARP00000101426	origin recognition complex, subunit 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2976]	orc6
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000096118	ENSDARP00000125377	oligosaccharyltransferase 4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-110307-1]	ost4
ENSDARG00000054055	ENSDARP00000070674	osteonin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000091429	ENSDARP00000127114	oxidoreductase-like domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-130603-23]	oxld1
ENSDARG00000071215	ENSDARP00000062739	paralemnin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	paln3
ENSDARG00000090996	ENSDARP00000112388	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSDARG00000053130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG00000087386	ENSDARP00000105340	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1

ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1n1
ENSDARG00000071727	ENSDARP0000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000098017	ENSDARP00000129711	PET100 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40038]	PET100
ENSDARG00000035043	ENSDARP00000049721	prefoldin 5 [Source:ZFIN;Acc:ZDB-GENE-030131-6858]	pdfn5
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000075857	ENSDARP00000099089	phosphatidylglycerophosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:30029]	PGS1
ENSDARG00000035133	ENSDARP00000050878	phenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000097071	ENSDARP00000128738	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PIFO
ENSDARG00000038805	ENSDARP00000056671	phosphatidylinositol glycan, class P [Source:ZFIN;Acc:ZDB-GENE-030131-4041]	pigp
ENSDARG00000053110	ENSDARP00000069577	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:ZFIN;Acc:ZDB-GENE-041014-312]	pkib
ENSDARG00000096445	ENSDARP00000126471	phospholipase B1 [Source:HGNC Symbol;Acc:HGNC:30041]	PLB1
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000090526	ENSDARP00000093251	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:HGNC:26285]	PLEKHS1
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmiap1
ENSDARG00000087389	ENSDARP00000105222	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000079632	ENSDARP00000119350	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:HGNC:14106]	POLD4
ENSDARG00000074933	ENSDARP00000099588	polymerase (DNA directed), gamma 2, accessory subunit [Source:ZFIN;Acc:ZDB-GENE-060810-116]	polg2
ENSDARG00000075616	ENSDARP00000099037	polymerase (RNA II (DNA directed) polypeptide K [Source:ZFIN;Acc:ZDB-GENE-070820-18]	polr2k
ENSDARG00000058349	ENSDARP00000075655	polymerase (RNA II (DNA directed) polypeptide L [Source:ZFIN;Acc:ZDB-GENE-050522-181]	polr2l
ENSDARG00000069135	ENSDARP00000091169	protein phosphatase 1, regulatory subunit 15A [Source:ZFIN;Acc:ZDB-GENE-030131-4408]	ppp1r15a
ENSDARG00000068128	ENSDARP00000105210	protein phosphatase 1, regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	PPP1R15B
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000068636	ENSDARP00000090124	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000077377	ENSDARP00000108941	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSDARG00000071735	ENSDARP00000097066	prolactin releasing hormone 2 [Source:ZFIN;Acc:ZDB-GENE-091204-205]	prlh2
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000073948	ENSDARP00000103772	prokineticin 1 [Source:ZFIN;Acc:ZDB-GENE-070928-34]	prok1
ENSDARG00000091616	ENSDARP00000108683	prokineticin 2 [Source:ZFIN;Acc:ZDB-GENE-100726-1]	prok2
ENSDARG00000087393	ENSDARP00000076880	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prr11
ENSDARG00000089232	ENSDARP00000109509	proline rich 14 [Source:ZFIN;Acc:ZDB-GENE-030131-3785]	prr14
ENSDARG00000077087	ENSDARP00000102237	proline-rich transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:26591]	PRRT3
ENSDARG00000088343	ENSDARP00000108434	proline-rich transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:37280]	PRRT4
ENSDARG00000068698	ENSDARP00000090230	presenilin enhancer 2 homolog [Source:ZFIN;Acc:ZDB-GENE-040218-1]	psenen
ENSDARG00000035987	ENSDARP00000052239	proteasome (prosome, macropain) assembly chaperone 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1972]	psmg2
ENSDARG00000090191	ENSDARP00000108022	proteasome (prosome, macropain) assembly chaperone 4 [Source:HGNC Symbol;Acc:HGNC:21108]	PSMG4
ENSDARG00000093738	ENSDARP00000118323	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSDARG00000091961	ENSDARP00000118249	parathyroid hormone 1b [Source:ZFIN;Acc:ZDB-GENE-040623-2]	pth1b
ENSDARG00000021113	ENSDARP00000090903	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000059555	ENSDARP00000077328	peroxisomal membrane protein 4, 24kDa [Source:HGNC Symbol;Acc:HGNC:15920]	PXMP4
ENSDARG00000088146	ENSDARP00000108170	R3H domain and coiled-coil containing 1 [Source:ZFIN;Acc:ZDB-GENE-091204-146]	r3hcc1
ENSDARG00000089243	ENSDARP00000109067	R3H domain and coiled-coil containing 1-like [Source:ZFIN;Acc:ZDB-GENE-030131-4156]	r3hcc1l
ENSDARG00000045853	ENSDARP00000067385	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSDARG00000040713	ENSDARP00000113874	retinoblastoma binding protein 9 [Source:ZFIN;Acc:ZDB-GENE-050208-692]	rbbp9
ENSDARG00000073705	ENSDARP00000114038	ribosome binding factor A [Source:ZFIN;Acc:ZDB-GENE-070410-83]	rbfa
ENSDARG00000069758	ENSDARP00000092541	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:24756]	RBM44
ENSDARG00000092463	ENSDARP00000113874	rhomoid domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-091204-359]	rhbdd2
ENSDARG00000079816	ENSDARP00000098546	rhomoid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSDARG00000077459	ENSDARP00000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000054103	ENSDARP00000070724	rippy1 [Source:ZFIN;Acc:ZDB-GENE-060113-1]	rippy1
ENSDARG00000070535	ENSDARP00000094407	rippy2 [Source:ZFIN;Acc:ZDB-GENE-060113-2]	rippy2
ENSDARG00000036974	ENSDARP00000053701	rippy3 [Source:ZFIN;Acc:ZDB-GENE-060113-3]	rippy3
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtgr
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000038076	ENSDARP00000055509	reactive oxygen species modulator 1 [Source:HGNC Symbol;Acc:HGNC:16185]	ROMO1
ENSDARG00000029500	ENSDARP00000040770	ribosomal protein L34 [Source:ZFIN;Acc:ZDB-GENE-040426-1033]	rpl34
ENSDARG00000088030	ENSDARP00000110593	ribosomal protein L35a [Source:ZFIN;Acc:ZDB-GENE-040718-190]	rpl35a
ENSDARG00000076360	ENSDARP00000103328	ribosomal protein L37 [Source:ZFIN;Acc:ZDB-GENE-040625-39]	rpl37
ENSDARG00000042389	ENSDARP00000062152	ribosomal protein L37a [Source:HGNC Symbol;Acc:HGNC:10348]	RPL37A
ENSDARG00000036316	ENSDARP00000052760	ribosomal protein L39 [Source:ZFIN;Acc:ZDB-GENE-040625-51]	rpl39
ENSDARG00000011152	ENSDARP0000016855	ribonuclease P 14 subunit [Source:ZFIN;Acc:ZDB-GENE-050522-182]	ppp14
ENSDARG00000036298	ENSDARP00000052729	ribosomal protein S13 [Source:ZFIN;Acc:ZDB-GENE-040625-52]	rps13
ENSDARG00000035860	ENSDARP00000052062	ribosomal protein S28 [Source:ZFIN;Acc:ZDB-GENE-030131-2022]	rps28
ENSDARG00000013478	ENSDARP0000013273	ribosomal RNA processing 15 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-030131-5261]	rrp15
ENSDARG00000033987	ENSDARP00000049889	arginine/serine-rich coiled-coil 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2374]	rsrc1
ENSDARG00000097485	ENSDARP00000127983	rtnk2a	rtnk2a
ENSDARG00000059238	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rtn4b
ENSDARG00000045999	ENSDARP00000067628	serum amyloid A [Source:ZFIN;Acc:ZDB-GENE-040927-15]	saa
ENSDARG00000076148	ENSDARP00000098192	sc:d149 [Source:ZFIN;Acc:ZDB-GENE-080303-4]	sc:d149
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000095515	ENSDARP00000121586	serologically defined colon cancer antigen 3 [Source:ZFIN;Acc:ZDB-GENE-060526-242]	sdccag3
ENSDARG00000092478	ENSDARP00000113870	succinate dehydrogenase complex assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-050809-56]	sdhaf1

ENSDARG00000038608	ENSDARP00000121444	succinate dehydrogenase complex, subunit C, integral membrane protein [Source:ZFIN;Acc:ZDB-GENE-040801-26]	sdhc
ENSDARG00000076568	ENSDARP00000059012	Sec61 beta subunit [Source:ZFIN;Acc:ZDB-GENE-040718-260]	sec61b
ENSDARG00000096801	ENSDARP00000127421	[Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000035136	ENSDARP00000117583	selenoprotein W, 1 [Source:ZFIN;Acc:ZDB-GENE-030410-5]	sepw1
ENSDARG00000038228	ENSDARP00000055744	selenoprotein W, 2a [Source:ZFIN;Acc:ZDB-GENE-030428-1]	sepw2a
ENSDARG00000089936	ENSDARP00000107655	selenoprotein W, 2b [Source:ZFIN;Acc:ZDB-GENE-030428-2]	sepw2b
ENSDARG00000074340	ENSDARP00000109735	small EDRK-rich factor 2 [Source:ZFIN;Acc:ZDB-GENE-041108-1]	serf2
ENSDARG00000089795	ENSDARP00000111763	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25236]	SERTAD4
ENSDARG00000074456	ENSDARP00000101721	SET domain containing 9 [Source:HGNC Symbol;Acc:HGNC:28508]	SETD9
ENSDARG00000014324	ENSDARP00000116139	SH2 domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-050327-67]	sh2d5
ENSDARG00000027899	ENSDARP00000030382	split hand/foot malformation (ectrodactyly) type 1 [Source:ZFIN;Acc:ZDB-GENE-030131-988]	shfm1
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143l10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143l10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270l17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270l17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000092671	ENSDARP00000126819	si:ch1073-345a8.1 [Source:ZFIN;Acc:ZDB-GENE-091204-447]	si:ch1073-345a8.1
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000097309	ENSDARP00000128603	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-416d2.4
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000079387	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000093821	ENSDARP00000112784	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000076585	ENSDARP00000098389	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122l14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122l14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122l14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122l14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122l14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122l14.6
ENSDARG00000095049	ENSDARP00000122846	si:ch211-122l24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-30]	si:ch211-122l24.2
ENSDARG00000093906	ENSDARP00000118951	si:ch211-122l24.3 [Source:ZFIN;Acc:ZDB-GENE-070912-31]	si:ch211-122l24.3
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122l24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122l24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095633	ENSDARP00000115299	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3

ENS DARG00000093074	ENS DARP00000123634	si:ch211-139g16.8 [Source:ZFIN;Acc:ZDB-GENE-100922-126]	si:ch211-139g16.8
ENS DARG00000097668	ENS DARP00000128188	si:ch211-139l2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139l2.1
ENS DARG00000027738	ENS DARP00000123164	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENS DARG00000045342	ENS DARP00000066676	si:ch211-140b10.6 [Source:ZFIN;Acc:ZDB-GENE-091204-382]	si:ch211-140b10.6
ENS DARG00000093816	ENS DARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENS DARG00000096177	ENS DARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENS DARG00000093216	ENS DARP00000118913	si:ch211-146l10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146l10.7
ENS DARG00000095457	ENS DARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENS DARG00000097352	ENS DARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENS DARG00000095911	ENS DARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENS DARG00000095420	ENS DARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENS DARG00000093457	ENS DARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENS DARG00000076534	ENS DARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENS DARG00000094522	ENS DARP00000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENS DARG00000097323	ENS DARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENS DARG00000092972	ENS DARP00000113980	si:ch211-14k19.8	si:ch211-14k19.8
ENS DARG00000097563	ENS DARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENS DARG00000045898	ENS DARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENS DARG00000074024	ENS DARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENS DARG00000094519	ENS DARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENS DARG00000097187	ENS DARP00000128396	si:ch211-153l6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153l6.6
ENS DARG00000095612	ENS DARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENS DARG00000074359	ENS DARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-34]	si:ch211-155k24.1
ENS DARG00000096834	ENS DARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENS DARG00000096567	ENS DARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENS DARG00000092035	ENS DARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENS DARG00000094977	ENS DARP00000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENS DARG00000095885	ENS DARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-158]	si:ch211-158m24.12
ENS DARG00000097930	ENS DARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENS DARG00000087238	ENS DARP00000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENS DARG00000093044	ENS DARP00000114560	si:ch211-161h7.5 [Source:ZFIN;Acc:ZDB-GENE-091204-265]	si:ch211-161h7.5
ENS DARG00000097407	ENS DARP00000128768	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENS DARG00000096384	ENS DARP00000125698	si:ch211-162l14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162l14.1
ENS DARG00000095555	ENS DARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENS DARG00000095327	ENS DARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENS DARG00000095370	ENS DARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENS DARG00000095469	ENS DARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENS DARG00000094276	ENS DARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENS DARG00000095504	ENS DARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENS DARG00000096809	ENS DARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENS DARG00000079524	ENS DARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENS DARG00000094887	ENS DARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENS DARG00000087873	ENS DARP00000111904	si:ch211-170n20.3 [Source:ZFIN;Acc:ZDB-GENE-131121-365]	si:ch211-170n20.3
ENS DARG00000094794	ENS DARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENS DARG00000088408	ENS DARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENS DARG00000063873	ENS DARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENS DARG00000093015	ENS DARP00000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENS DARG00000096522	ENS DARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENS DARG00000097203	ENS DARP00000127843	si:ch211-176l24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176l24.4
ENS DARG00000086802	ENS DARP00000104765	si:ch211-177d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-319]	si:ch211-177d9.1
ENS DARG00000096024	ENS DARP00000125565	si:ch211-178j18.4 [Source:ZFIN;Acc:ZDB-GENE-110914-148]	si:ch211-178j18.4
ENS DARG00000097617	ENS DARP00000129813	si:ch211-178n15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-24]	si:ch211-178n15.1
ENS DARG00000096902	ENS DARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENS DARG00000096963	ENS DARP00000129437	si:ch211-185a18.2	si:ch211-185a18.2
ENS DARG00000070304	ENS DARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENS DARG00000095756	ENS DARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENS DARG00000070141	ENS DARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENS DARG00000095328	ENS DARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENS DARG00000095459	ENS DARP00000123372	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENS DARG00000094059	ENS DARP00000112686	si:ch211-191j22.7 [Source:ZFIN;Acc:ZDB-GENE-091204-56]	si:ch211-191j22.7
ENS DARG00000096966	ENS DARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENS DARG00000097325	ENS DARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENS DARG00000096711	ENS DARP00000127416	si:ch211-194k22.8 [Source:ZFIN;Acc:ZDB-GENE-030131-1820]	si:ch211-194k22.8
ENS DARG00000093337	ENS DARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENS DARG00000094197	ENS DARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENS DARG00000041492	ENS DARP00000060824	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENS DARG00000096451	ENS DARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENS DARG00000096014	ENS DARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-151]	si:ch211-197e10.2
ENS DARG00000096214	ENS DARP00000125210	si:ch211-197k17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-193]	si:ch211-197k17.3
ENS DARG00000095533	ENS DARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENS DARG00000093192	ENS DARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENS DARG00000068098	ENS DARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENS DARG00000097765	ENS DARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENS DARG00000092310	ENS DARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENS DARG00000076609	ENS DARP00000099280	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENS DARG00000092029	ENS DARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENS DARG00000094126	ENS DARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENS DARG00000094491	ENS DARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENS DARG00000089871	ENS DARP00000109933	si:ch211-203c7.2 [Source:ZFIN;Acc:ZDB-GENE-111221-2]	si:ch211-203c7.2

ENSDFG00000097941	ENSDFAR00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDFG00000090793	ENSDFAR00000126338	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSDFG00000094805	ENSDFAR00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDFG00000095607	ENSDFAR00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDFG00000096431	ENSDFAR00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDFG00000096438	ENSDFAR00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDFG00000092856	ENSDFAR00000114642	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSDFG00000097483	ENSDFAR00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDFG00000069595	ENSDFAR00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDFG00000096037	ENSDFAR00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDFG00000092556	ENSDFAR00000122372	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSDFG00000092952	ENSDFAR00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDFG00000092727	ENSDFAR00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDFG00000039423	ENSDFAR00000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSDFG00000079345	ENSDFAR00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDFG00000093748	ENSDFAR00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENSDFG00000088234	ENSDFAR00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENSDFG00000095434	ENSDFAR00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDFG00000092364	ENSDFAR00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDFG00000094660	ENSDFAR00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDFG00000093977	ENSDFAR00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDFG00000092262	ENSDFAR00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSDFG00000097684	ENSDFAR00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENSDFG00000093187	ENSDFAR00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDFG00000095671	ENSDFAR00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDFG00000092572	ENSDFAR00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDFG00000095630	ENSDFAR00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDFG00000092120	ENSDFAR00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENSDFG00000092578	ENSDFAR00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDFG00000094425	ENSDFAR00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDFG00000097269	ENSDFAR00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDFG00000093563	ENSDFAR00000116648	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSDFG00000097453	ENSDFAR00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDFG00000097229	ENSDFAR00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDFG00000093984	ENSDFAR00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDFG00000096917	ENSDFAR00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDFG00000093422	ENSDFAR00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDFG00000095101	ENSDFAR00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDFG00000043485	ENSDFAR00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDFG00000092140	ENSDFAR00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENSDFG00000078072	ENSDFAR00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDFG00000095092	ENSDFAR00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDFG00000095179	ENSDFAR00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDFG00000092119	ENSDFAR00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDFG00000056915	ENSDFAR00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDFG00000094500	ENSDFAR00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENSDFG00000054502	ENSDFAR00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENSDFG00000093347	ENSDFAR00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENSDFG00000095223	ENSDFAR00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDFG00000092240	ENSDFAR00000115403	si:ch211-243a20.3 [Source:ZFIN;Acc:ZDB-GENE-061207-28]	si:ch211-243a20.3
ENSDFG00000097681	ENSDFAR00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENSDFG00000092455	ENSDFAR00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDFG00000097637	ENSDFAR00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDFG00000096467	ENSDFAR00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENSDFG00000097693	ENSDFAR00000128313	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSDFG00000092199	ENSDFAR00000121478	si:ch211-250c4.4 [Source:ZFIN;Acc:ZDB-GENE-081107-32]	si:ch211-250c4.4
ENSDFG00000075943	ENSDFAR00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDFG00000092945	ENSDFAR00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSDFG00000088736	ENSDFAR00000108809	si:ch211-250n8.1 [Source:ZFIN;Acc:ZDB-GENE-130603-2]	si:ch211-250n8.1
ENSDFG00000096274	ENSDFAR00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDFG00000097535	ENSDFAR00000127547	si:ch211-252f13.5 [Source:ZFIN;Acc:ZDB-GENE-131121-629]	si:ch211-252f13.5
ENSDFG00000071800	ENSDFAR00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDFG00000093510	ENSDFAR00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDFG00000092575	ENSDFAR00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDFG00000092655	ENSDFAR00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDFG00000092848	ENSDFAR00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDFG00000094319	ENSDFAR00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDFG00000094310	ENSDFAR00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDFG00000096616	ENSDFAR00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDFG00000097032	ENSDFAR00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSDFG00000096958	ENSDFAR00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDFG00000097284	ENSDFAR00000128761	si:ch211-261d7.3 [Source:ZFIN;Acc:ZDB-GENE-131121-179]	si:ch211-261d7.3
ENSDFG00000091695	ENSDFAR00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSDFG00000093353	ENSDFAR00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDFG00000092714	ENSDFAR00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDFG00000057903	ENSDFAR00000127873	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSDFG00000097267	ENSDFAR00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDFG00000097847	ENSDFAR00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENSDFG00000097256	ENSDFAR00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5

ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000095185	ENSDARP00000120672	si:ch211-274p24.2 [Source:ZFIN;Acc:ZDB-GENE-050309-265]	si:ch211-274p24.2
ENSDARG00000096398	ENSDARP00000125977	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000097727	ENSDARP00000128851	si:ch211-286b4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-589]	si:ch211-286b4.3
ENSDARG00000096859	ENSDARP00000129636	si:ch211-286b4.4 [Source:ZFIN;Acc:ZDB-GENE-131127-605]	si:ch211-286b4.4
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000075881	ENSDARP00000104099	si:ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	si:ch211-39k3.2
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000097600	ENSDARP00000128731	si:ch211-66h3.4 [Source:ZFIN;Acc:ZDB-GENE-131127-531]	si:ch211-66h3.4
ENSDARG00000095580	ENSDARP00000119232	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000086317	ENSDARP00000105628	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000096242	ENSDARP00000126136	si:ch211-76i23.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8310]	si:ch211-76i23.4
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-1336]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000070972	ENSDARP00000095408	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000093327	ENSDARP00000122761	si:ch211-89o9.4 [Source:ZFIN;Acc:ZDB-GENE-090313-134]	si:ch211-89o9.4
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000087099	ENSDARP00000110964	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000096629	ENSDARP00000126708	si:ch73-132f6.5 [Source:ZFIN;Acc:ZDB-GENE-030131-9581]	si:ch73-132f6.5
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211l13.2
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-133]	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6

ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-309i.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-309i.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-227]	si:ch73-338a16.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097363	ENSDARP00000127736	si:ch73-364h19.1	si:ch73-364h19.1
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000098414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095400	ENSDARP00000114896	si:ch73-52f15.5 [Source:ZFIN;Acc:ZDB-GENE-091204-341]	si:ch73-52f15.5
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000097527	ENSDARP00000129687	si:ch73-56d11.3 [Source:ZFIN;Acc:ZDB-GENE-131126-22]	si:ch73-56d11.3
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000075915	ENSDARP00000099201	si:ch73-70k4.1 [Source:ZFIN;Acc:ZDB-GENE-030131-3788]	si:ch73-70k4.1
ENSDARG00000097696	ENSDARP00000128197	si:ch73-71c20.5 [Source:ZFIN;Acc:ZDB-GENE-060810-58]	si:ch73-71c20.5
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000075996	ENSDARP00000099866	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106l3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106l3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000096776	ENSDARP00000127194	si:dkey-113d16.9 [Source:ZFIN;Acc:ZDB-GENE-130603-86]	si:dkey-113d16.9
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114l24.2
ENSDARG00000093120	ENSDARP00000115667	si:dkey-117m1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-177]	si:dkey-117m1.4
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000096457	ENSDARP00000126436	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000071458	ENSDARP00000096444	si:dkey-121a11.3 [Source:ZFIN;Acc:ZDB-GENE-050208-417]	si:dkey-121a11.3
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000095821	ENSDARP00000124148	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000092593	ENSDARP00000116632	si:dkey-174k12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-174k12.3
ENSDARG00000091633	ENSDARP00000111950	si:dkey-177p2.18 [Source:ZFIN;Acc:ZDB-GENE-130603-12]	si:dkey-177p2.18
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15

ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000092725	ENSDARP00000115959	si:dkey-188i13.8 [Source:ZFIN;Acc:ZDB-GENE-090312-93]	si:dkey-188i13.8
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000093259	ENSDARP00000121716	si:dkey-199k11.6 [Source:ZFIN;Acc:ZDB-GENE-060531-88]	si:dkey-199k11.6
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201l21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201l21.2
ENSDARG00000073965	ENSDARP00000037522	si:dkey-202b22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-175]	si:dkey-202b22.5
ENSDARG00000045552	ENSDARP00000066985	si:dkey-202b22.6 [Source:ZFIN;Acc:ZDB-GENE-041210-176]	si:dkey-202b22.6
ENSDARG00000094434	ENSDARP00000114072	si:dkey-203a12.2 [Source:ZFIN;Acc:ZDB-GENE-091118-100]	si:dkey-203a12.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092044	ENSDARP00000115590	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000095937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6

ENSDARG00000093512	ENSDARP00000116085	si:dkey-238j22.1 [Source:ZFIN;Acc:ZDB-GENE-070705-398]	si:dkey-238j22.1
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000075391	ENSDARP00000075511	si:dkey-238o14.7 [Source:ZFIN;Acc:ZDB-GENE-110913-54]	si:dkey-238o14.7
ENSDARG00000023036	ENSDARP00000093620	si:dkey-23a23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-158]	si:dkey-23a23.2
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000095268	ENSDARP00000115242	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-4]	si:dkey-261h17.1
ENSDARG00000094345	ENSDARP00000114878	si:dkey-261i7.2 [Source:ZFIN;Acc:ZDB-GENE-090313-288]	si:dkey-261i7.2
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000098938	ENSDARP00000112312	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000090872	ENSDARP00000106312	si:dkey-276j7.1 [Source:ZFIN;Acc:ZDB-GENE-060720-44]	si:dkey-276j7.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000095543	ENSDARP00000114302	si:dkey-27i16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9667]	si:dkey-27i16.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000092458	ENSDARP00000117544	si:dkey-282h22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-220]	si:dkey-282h22.5
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000091879	ENSDARP00000114600	si:dkey-29d8.3 [Source:ZFIN;Acc:ZDB-GENE-070912-508]	si:dkey-29d8.3
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000092934	ENSDARP00000121281	si:dkey-32e6.3 [Source:ZFIN;Acc:ZDB-GENE-081104-408]	si:dkey-32e6.3
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000094587	ENSDARP00000112901	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000054669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000068398	ENSDARP00000089681	si:dkey-3b8.4 [Source:ZFIN;Acc:ZDB-GENE-050419-24]	si:dkey-3b8.4
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4

ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66i17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66i17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000092390	ENSDARP00000120910	si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340]	si:dkey-6f10.4
ENSDARG00000092039	ENSDARP00000119877	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153]	si:dkey-79c1.1
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000097528	ENSDARP00000128310	si:dkey-7j14.5 [Source:ZFIN;Acc:ZDB-GENE-030131-8110]	si:dkey-7j14.5
ENSDARG00000090552	ENSDARP00000106870	si:dkey-7j14.6 [Source:ZFIN;Acc:ZDB-GENE-030131-8466]	si:dkey-7j14.6
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000094074	ENSDARP00000118587	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095047	ENSDARP00000121197	si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242]	si:dkey-85k15.4
ENSDARG00000094385	ENSDARP00000112862	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSDARG00000094759	ENSDARP00000123537	si:dkey-85k15.7 [Source:ZFIN;Acc:ZDB-GENE-100921-85]	si:dkey-85k15.7
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88i16.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSDARG00000093997	ENSDARP00000117097	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000095407	ENSDARP00000117530	si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367]	si:dkey-9i23.8
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61]	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515]	si:dkey-9p20.18
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2

ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527]	si:dkeyp-106c3.2
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39]	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000096401	ENSDARP00000091739	si:dkeyp-114g9.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5466]	si:dkeyp-114g9.1
ENSDARG00000095437	ENSDARP00000118987	si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455]	si:dkeyp-117b11.3
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000077519	ENSDARP00000114312	si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21]	si:dkeyp-13d11.2
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-537]	si:dkeyp-20g2.3
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000093150	ENSDARP00000118889	si:dkeyp-51f11.9 [Source:ZFIN;Acc:ZDB-GENE-070912-653]	si:dkeyp-51f11.9
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000094245	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000095024	ENSDARP00000118612	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72f6.2
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000086478	ENSDARP00000111949	si:dkeyp-87d1.1 [Source:ZFIN;Acc:ZDB-GENE-041014-75]	si:dkeyp-87d1.1
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000097986	ENSDARP00000129517	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000017163	ENSDARP00000019122	si:zfos-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000086639	ENSDARP00000109915	SIVA1, apoptosis-inducing factor [Source:ZFIN;Acc:ZDB-GENE-050506-57]	si:va1
ENSDARG00000089127	ENSDARP00000106449	solute carrier family 39, member 11 [Source:HGNC Symbol;Acc:HGNC:14463]	SLC39A11
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000093969	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000070358	ENSDARP00000093933	small integral membrane protein 12 [Source:ZFIN;Acc:ZDB-GENE-050320-101]	smim12
ENSDARG00000076744	ENSDARP00000102934	small integral membrane protein 13 [Source:HGNC Symbol;Acc:HGNC:27356]	SMIM13
ENSDARG00000057999	ENSDARP00000117450	small integral membrane protein 14 [Source:ZFIN;Acc:ZDB-GENE-040426-22]	smim14
ENSDARG00000087729	ENSDARP00000108470	small integral membrane protein 20 [Source:HGNC Symbol;Acc:HGNC:37260]	SMIM20
ENSDARG00000074848	ENSDARP00000073375	small integral membrane protein 7 [Source:ZFIN;Acc:ZDB-GENE-060810-180]	smim7
ENSDARG00000062382	ENSDARP00000084633	SNAP-associated protein [Source:ZFIN;Acc:ZDB-GENE-060503-343]	snapin

ENSDARG00000052667	ENSDARP00000069052	stannin [Source:ZFIN;Acc:ZDB-GENE-040426-1987]	snn
ENSDARG00000033175	ENSDARP00000050295	small nuclear ribonucleoprotein polypeptide E [Source:ZFIN;Acc:ZDB-GENE-040426-1112]	snrpe
ENSDARG00000021115	ENSDARP00000014482	spermatogenesis associated 6 [Source:ZFIN;Acc:ZDB-GENE-050417-351]	spata6
ENSDARG00000004874	ENSDARP00000014739	spermatogenesis associated 6-like [Source:ZFIN;Acc:ZDB-GENE-040426-1369]	spata6l
ENSDARG00000075898	ENSDARP00000102336	spermatogenesis associated 7 [Source:ZFIN;Acc:ZDB-GENE-050419-61]	spata7
ENSDARG00000059298	ENSDARP00000076814	signal peptidase complex subunit 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050809-130]	spcs1
ENSDARG00000091609	ENSDARP00000106946	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:HGNC:16646]	SPINK4
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000071203	ENSDARP00000095888	serine palmitoyltransferase, small subunit A [Source:ZFIN;Acc:ZDB-GENE-050320-26]	sptssa
ENSDARG00000091658	ENSDARP00000127984	serine palmitoyltransferase, small subunit B [Source:ZFIN;Acc:ZDB-GENE-060421-6887]	sptssb
ENSDARG00000056859	ENSDARP00000073885	spexin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	SPX
ENSDARG00000077069	ENSDARP00000065651	serglycin [Source:ZFIN;Acc:ZDB-GENE-030131-7127]	srgn
ENSDARG00000055760	ENSDARP00000072618	spermidine synthase [Source:ZFIN;Acc:ZDB-GENE-040426-1183]	srn
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	sst2
ENSDARG00000031649	ENSDARP00000047377	somatostatin 3 [Source:ZFIN;Acc:ZDB-GENE-030813-3]	sst3
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSDARG00000086641	ENSDARP00000112004	starch binding domain 1 [Source:ZFIN;Acc:ZDB-GENE-120817-2]	stbd1
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000033143	ENSDARP00000048842	suppressor of Ty 4 homolog 1 (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-214]	supt4h1
ENSDARG00000088405	ENSDARP00000112193	supervillin b [Source:ZFIN;Acc:ZDB-GENE-081104-411]	svilb
ENSDARG00000097236	ENSDARP00000129097	small VCP/p97-interacting protein [Source:HGNC Symbol;Acc:HGNC:25238]	SVIP
ENSDARG00000078492	ENSDARP00000100791	SWI5 recombination repair homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-091204-368]	swi5
ENSDARG00000093423	ENSDARP00000120384	SWIM-type zinc finger 7 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-071116-2]	swsap1
ENSDARG00000058375	ENSDARP00000075687	synaptonemal complex central element protein 2 [Source:ZFIN;Acc:ZDB-GENE-050512-1]	syce2
ENSDARG00000092889	ENSDARP00000112559	synaptonemal complex central element protein 3 [Source:HGNC Symbol;Acc:HGNC:35245]	SYCE3
ENSDARG00000090469	ENSDARP00000090469	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	SYCN
ENSDARG00000088950	ENSDARP00000114083	synaptonemal complex protein 2 [Source:ZFIN;Acc:ZDB-GENE-090313-237]	sycp2
ENSDARG00000079190	ENSDARP00000099728	synaptonemal complex protein 2-like [Source:ZFIN;Acc:ZDB-GENE-130924-1]	sycp2l
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syng2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000096310	ENSDARP00000125622	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa [Source:HGNC Symbol;Acc:HGNC:11534]	TAF1C
ENSDARG00000067723	ENSDARP00000088309	TRAF family member-associated NFkB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSDARG00000097980	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000044194	ENSDARP00000064887	T-cell leukemia translocation altered gene [Source:ZFIN;Acc:ZDB-GENE-040718-325]	tcta
ENSDARG00000038713	ENSDARP00000056535	telomerase-associated protein 1 [Source:HGNC Symbol;Acc:HGNC:11726]	TEP1
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000097920	ENSDARP00000127846	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	TEX36
ENSDARG00000089572	ENSDARP00000110926	TCF3 fusion partner homolog (tftpt), mRNA [Source:RefSeq mRNA;Acc:NM_001160707]	TFPT
ENSDARG00000078644	ENSDARP00000102371	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	THEG
ENSDARG00000063049	ENSDARP00000118018	thiamine triphosphatase [Source:ZFIN;Acc:ZDB-GENE-070502-2]	thtpa
ENSDARG00000071670	ENSDARP00000096919	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSDARG00000069099	ENSDARP00000091049	transmembrane and coiled-coil domains 1 [Source:ZFIN;Acc:ZDB-GENE-050417-344]	tmco1
ENSDARG00000088398	ENSDARP00000128982	transmembrane protein 107 like [Source:ZFIN;Acc:ZDB-GENE-090313-269]	tmem107l
ENSDARG00000077155	ENSDARP00000100247	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25084]	TMEM116
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-627]	tmem123
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000091058	ENSDARP00000105858	transmembrane protein 173 [Source:ZFIN;Acc:ZDB-GENE-120921-1]	tmem173
ENSDARG00000035388	ENSDARP00000051296	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSDARG00000036704	ENSDARP00000053309	transmembrane protein 18 [Source:ZFIN;Acc:ZDB-GENE-040927-26]	tmem18
ENSDARG00000037484	ENSDARP00000054574	transmembrane protein 192 [Source:ZFIN;Acc:ZDB-GENE-040426-2254]	tmem192
ENSDARG00000027129	ENSDARP00000028280	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218
ENSDARG00000069494	ENSDARP00000091975	transmembrane protein 223 [Source:ZFIN;Acc:ZDB-GENE-040801-113]	tmem223
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000042341	ENSDARP00000062093	transmembrane protein 251 [Source:ZFIN;Acc:ZDB-GENE-041001-121]	tmem251
ENSDARG00000078785	ENSDARP000000043171	transmembrane protein 258 [Source:ZFIN;Acc:ZDB-GENE-040426-1739]	tmem258
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000030465	ENSDARP00000048205	transmembrane protein 263 [Source:HGNC Symbol;Acc:HGNC:28281]	TMEM263
ENSDARG00000059305	ENSDARP00000076825	transmembrane protein 37 [Source:ZFIN;Acc:ZDB-GENE-040426-2208]	tmem37
ENSDARG00000068193	ENSDARP00000089243	transmembrane protein 44 [Source:ZFIN;Acc:ZDB-GENE-060825-65]	tmem44
ENSDARG00000036059	ENSDARP00000116950	transmembrane protein with metallophosphoesterase domain [Source:ZFIN;Acc:ZDB-GENE-061013-104]	trmpe
ENSDARG00000054911	ENSDARP00000071665	thymosin, beta [Source:ZFIN;Acc:ZDB-GENE-050307-5]	tsmb
ENSDARG00000077777	ENSDARP00000095248	thymosin, beta 4 x [Source:ZFIN;Acc:ZDB-GENE-030131-8304]	tmsb4x
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000068265	ENSDARP00000089414	translocase of outer mitochondrial membrane 5 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040724-90]	tomm5
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000067717	ENSDARP00000088302	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-060825-115]	tomm7
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000097465	ENSDARP00000128834	tRNA methyltransferase 61 homolog B (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26070]	TRMT61B
ENSDARG00000069280	ENSDARP00000091469	tRNA splicing endonuclease 15 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-041008-211]	tsen15
ENSDARG00000030512	ENSDARP00000043451	translin-associated factor X interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-39]	tsnaxip1
ENSDARG00000022160	ENSDARP00000084533	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSDARG00000058079	ENSDARP00000075336	thioredoxin domain containing 17 [Source:ZFIN;Acc:ZDB-GENE-040801-193]	txndc17

ENSDARG00000049894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000053012	ENSDARP00000069457	UBX domain protein 8 [Source:ZFIN;Acc:ZDB-GENE-050522-266]	ubxn8
ENSDARG00000043857	ENSDARP00000064392	ubiquitin-fold modifier 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2930]	ufm1
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000092872	ENSDARP00000113175	uroplakin 3b [Source:ZFIN;Acc:ZDB-GENE-060526-348]	upk3b
ENSDARG00000029064	ENSDARP00000039787	ubiquinol-cytochrome c reductase, complex III subunit VII [Source:ZFIN;Acc:ZDB-GENE-040718-199]	uqcrc
ENSDARG00000027491	ENSDARP00000096080	uroporphyrinogen III synthase [Source:ZFIN;Acc:ZDB-GENE-040323-2]	uro
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000096003	ENSDARP00000125277	up-regulated during skeletal muscle growth 5 homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:30889]	USMG5
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091371	ENSDARP00000107008	VGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSDARG00000006916	ENSDARP00000016383	vimentin-type intermediate filament associated coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:33803]	VMAC
ENSDARG00000087210	ENSDARP00000107851	von Willebrand factor A domain containing 3A [Source:HGNC Symbol;Acc:HGNC:27088]	VWA3A
ENSDARG00000088763	ENSDARP00000106411	WD repeat domain 52 [Source:HGNC Symbol;Acc:HGNC:25631]	WDR52
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000092352	ENSDARP00000115981	wu:fa92h10 [Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-227]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000011999	ENSDARP00000017065	ybeY metalloproteinase [Source:ZFIN;Acc:ZDB-GENE-030131-437]	ybey
ENSDARG00000008542	ENSDARP00000003565	YOD1 OTU deubiquinating enzyme 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050417-217]	yod1
ENSDARG00000069723	ENSDARP00000092460	zinc finger, B-box domain containing [Source:ZFIN;Acc:ZDB-GENE-061207-76]	zbbx
ENSDARG00000035700	ENSDARP00000051776	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSDARG00000021404	ENSDARP00000011966	zgc:110319 [Source:ZFIN;Acc:ZDB-GENE-050417-345]	zgc:110319
ENSDARG00000006588	ENSDARP00000035524	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983
ENSDARG00000001829	ENSDARP00000101451	zgc:112982 [Source:ZFIN;Acc:ZDB-GENE-050306-55]	zgc:112982
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000039099	ENSDARP00000057100	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000092667	ENSDARP00000019928	zgc:136439 [Source:ZFIN;Acc:ZDB-GENE-060421-2858]	zgc:136439
ENSDARG00000030440	ENSDARP00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARP00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000070423	ENSDARP00000117627	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSDARG00000089020	ENSDARP00000088270	zgc:158260 [Source:ZFIN;Acc:ZDB-GENE-061201-24]	zgc:158260
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000067806	ENSDARP00000088441	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSDARG00000070212	ENSDARP00000093637	zgc:158463 [Source:ZFIN;Acc:ZDB-GENE-070410-9]	zgc:158463
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000071808	ENSDARP00000097252	zgc:158852 [Source:ZFIN;Acc:ZDB-GENE-070112-972]	zgc:158852
ENSDARG00000070604	ENSDARP00000094633	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSDARG00000071701	ENSDARP00000096987	zgc:162941 [Source:ZFIN;Acc:ZDB-GENE-030131-8517]	zgc:162941
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000090578	ENSDARP00000106207	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000071553	ENSDARP00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000076530	ENSDARP00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000039100	ENSDARP00000092867	zgc:172244 [Source:ZFIN;Acc:ZDB-GENE-080219-24]	zgc:172244
ENSDARG00000076958	ENSDARP00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260
ENSDARG00000074983	ENSDARP00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000087318	ENSDARP00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000079278	ENSDARP00000105315	zgc:174877 [Source:ZFIN;Acc:ZDB-GENE-041008-66]	zgc:174877
ENSDARG00000077176	ENSDARP00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000092626	ENSDARP00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136

ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARP00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000077775	ENSDARP00000102149	zgc:193681 [Source:ZFIN;Acc:ZDB-GENE-081022-24]	zgc:193681
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000074809	ENSDARP00000104364	zgc:194392 [Source:ZFIN;Acc:ZDB-GENE-030131-4774]	zgc:194392
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000074194	ENSDARP00000128856	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSDARG00000052948	ENSDARP00000069386	zgc:195023 [Source:ZFIN;Acc:ZDB-GENE-081022-175]	zgc:195023
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000033501	ENSDARP00000123517	zgc:64189 [Source:ZFIN;Acc:ZDB-GENE-040426-1397]	zgc:64189
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000067669	ENSDARP00000088239	zinc finger, GATA-like protein 1 [Source:ZFIN;Acc:ZDB-GENE-060825-359]	zglp1
ENSDARG00000030737	ENSDARP00000039571	zinc finger protein 326 [Source:ZFIN;Acc:ZDB-GENE-070424-227]	znf326
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000095817	ENSDARP00000124832	zinc finger, HIT-type containing 6 [Source:HGNC Symbol;Acc:HGNC:26089]	ZNHIT6
ENSDARG00000036070	ENSDARP00000121696	zinc ribbon domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050320-131]	znrd1
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000059983	ENSDARP00000078444	zinc finger with UFM1-specific peptidase domain [Source:ZFIN;Acc:ZDB-GENE-070209-211]	zufsp
ENSDARG00000087136	ENSDARP00000105067	novel gene	ENSDARG00000087136
ENSDARG00000088160	ENSDARP00000106231	novel gene	ENSDARG00000088160
ENSDARG00000090451	ENSDARP00000111537	novel gene	ENSDARG00000090451
ENSDARG00000095506	ENSDARP00000117724	novel gene	ENSDARG00000095506
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000096427	ENSDARP00000125896	novel gene	ENSDARG00000096427
ENSDARG00000078130	ENSDARP00000129489	novel gene	ENSDARG00000078130

Supplemental table 13. Cavefish specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSAMXG00000025120	ENSAMXP00000025826	A kinase (PRKA) anchor protein 14 [Source:HGNC Symbol;Acc:HGNC:24061]	AKAP14
ENSAMXG0000005748	ENSAMXP0000005884	autophagy related 2A [Source:HGNC Symbol;Acc:HGNC:29028]	ATG2A
ENSAMXG00000025519	ENSAMXP00000026224	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSAMXG0000006449	ENSAMXP0000006619	basic helix-loop-helix family, member a9 [Source:HGNC Symbol;Acc:HGNC:35126]	BHLHA9
ENSAMXG0000003813	ENSAMXP0000003892	chromosome 11 open reading frame 16 [Source:HGNC Symbol;Acc:HGNC:1169]	C11orf16
ENSAMXG00000020495	ENSAMXP00000021100	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:19846]	C14orf37
ENSAMXG0000007229	ENSAMXP0000007424	chromosome 16 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:27558]	C16orf91
ENSAMXG00000015395	ENSAMXP00000015837	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:27568]	C17orf58
ENSAMXG00000018887	ENSAMXP00000019447	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSAMXG00000013360	ENSAMXP00000013749	chromosome 1 open reading frame 177 [Source:HGNC Symbol;Acc:HGNC:26854]	C1orf177
ENSAMXG00000008678	ENSAMXP00000008921	chromosome 1 open reading frame 233 [Source:HGNC Symbol;Acc:HGNC:42951]	C1orf233
ENSAMXG00000013806	ENSAMXP00000014207	chromosome 2 open reading frame 81 [Source:HGNC Symbol;Acc:HGNC:34350]	C2orf81
ENSAMXG0000000559	ENSAMXP00000005668	chromosome 7 open reading frame 31 [Source:HGNC Symbol;Acc:HGNC:21722]	C7orf31
ENSAMXG00000018988	ENSAMXP00000019552	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSAMXG0000001803	ENSAMXP0000001833	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:22564]	C7orf72
ENSAMXG00000015409	ENSAMXP00000015846	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSAMXG00000026460	ENSAMXP00000027165	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:31009]	C9orf69
ENSAMXG0000007526	ENSAMXP0000007731	chromosome 9 open reading frame 84 [Source:HGNC Symbol;Acc:HGNC:26535]	C9orf84
ENSAMXG00000025663	ENSAMXP00000026368	cation channel, sperm associated 3 [Source:HGNC Symbol;Acc:HGNC:20819]	CATSPER3
ENSAMXG00000017482	ENSAMXP00000018000	cation channel, sperm associated 4 [Source:HGNC Symbol;Acc:HGNC:23220]	CATSPER4
ENSAMXG00000012879	ENSAMXP00000013251	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSAMXG00000001137	ENSAMXP00000001157	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSAMXG00000010801	ENSAMXP00000011097	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSAMXG00000009061	ENSAMXP00000009307	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSAMXG00000008606	ENSAMXP00000008863	coiled-coil domain containing 158 [Source:HGNC Symbol;Acc:HGNC:26374]	CCDC158
ENSAMXG00000003745	ENSAMXP00000003824	coiled-coil domain containing 166 [Source:HGNC Symbol;Acc:HGNC:41910]	CCDC166
ENSAMXG00000019875	ENSAMXP00000020457	coiled-coil domain containing 42B [Source:ZFIN;Acc:ZDB-GENE-060526-194]	ccd42b
ENSAMXG00000015928	ENSAMXP00000016390	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]	CCDC81
ENSAMXG00000010973	ENSAMXP00000011269	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437]	CCNB1IP1
ENSAMXG00000012844	ENSAMXP00000013214	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSAMXG00000015514	ENSAMXP00000015983	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSAMXG00000018394	ENSAMXP00000018945	cytoskeleton associated protein 5 [Source:HGNC Symbol;Acc:HGNC:28959]	CKAP5
ENSAMXG00000007696	ENSAMXP00000007912	colipase, pancreatic [Source:HGNC Symbol;Acc:HGNC:2085]	CLPS
ENSAMXG00000002977	ENSAMXP00000003031	CKLF-like MARVEL transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19172]	CMTM1
ENSAMXG00000009264	ENSAMXP00000009523	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSAMXG00000020010	ENSAMXP00000020590	centrobin, centrosomal BRCA2 interacting protein [Source:HGNC Symbol;Acc:HGNC:29616]	CNTROB
ENSAMXG00000012818	ENSAMXP00000013183	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMM10
ENSAMXG00000007128	ENSAMXP00000007314	cytochrome c oxidase subunit VIIb [Source:HGNC Symbol;Acc:HGNC:2291]	COX7B
ENSAMXG00000015944	ENSAMXP00000016412	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIP1
ENSAMXG00000017412	ENSAMXP00000017922	chitinase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTBS
ENSAMXG00000026257	ENSAMXP00000026962	chromosome X open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:25667]	CXorf21
ENSAMXG00000007449	ENSAMXP00000007653	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSAMXG00000002535	ENSAMXP00000002592	diablo, IAP-binding mitochondrial protein b [Source:ZFIN;Acc:ZDB-GENE-070112-202]	diablob
ENSAMXG00000015112	ENSAMXP00000015550	Dmx-like 2 [Source:HGNC Symbol;Acc:HGNC:2938]	DMXL2
ENSAMXG0000001187	ENSAMXP00000001213	deoxynucleotidyltransferase, terminal, interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:16160]	DNTT1P1
ENSAMXG00000012232	ENSAMXP00000012575	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSAMXG00000003419	ENSAMXP00000003484	early B-cell factor 4 [Source:HGNC Symbol;Acc:HGNC:29278]	EBF4
ENSAMXG00000008557	ENSAMXP00000008811	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSAMXG00000014933	ENSAMXP00000015371	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSAMXG00000015972	ENSAMXP00000016445	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSAMXG00000019035	ENSAMXP00000019601	glutamate-rich 6 [Source:HGNC Symbol;Acc:HGNC:28602]	ERICH6
ENSAMXG00000012661	ENSAMXP00000013014	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVG
ENSAMXG00000018936	ENSAMXP00000019498	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSAMXG00000020689	ENSAMXP00000021306	family with sequence similarity 159, member B [Source:HGNC Symbol;Acc:HGNC:34236]	FAM159B
ENSAMXG00000010571	ENSAMXP00000010854	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSAMXG00000024362	ENSAMXP00000025064	family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483]	FAM64A
ENSAMXG00000003855	ENSAMXP00000003940	F-box and leucine-rich repeat protein 12 [Source:HGNC Symbol;Acc:HGNC:13611]	FBXL12
ENSAMXG00000025646	ENSAMXP00000026351	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDc9
ENSAMXG00000006076	ENSAMXP00000006229	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSAMXG00000013429	ENSAMXP00000013818	fucokinase [Source:HGNC Symbol;Acc:HGNC:29500]	FUK
ENSAMXG00000001901	ENSAMXP00000001938	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSAMXG00000019836	ENSAMXP00000020625	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSAMXG00000017201	ENSAMXP00000017708	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSAMXG00000020732	ENSAMXP00000021351	G protein pathway suppressor 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1176]	gps2
ENSAMXG00000024787	ENSAMXP00000025493	guanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:HGNC:4682]	GUCA2A
ENSAMXG00000012147	ENSAMXP00000012489	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSAMXG00000010686	ENSAMXP00000010975	HID1 domain containing a [Source:ZFIN;Acc:ZDB-GENE-030131-8263]	hid1a
ENSAMXG00000011339	ENSAMXP00000011639	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSAMXG00000002228	ENSAMXP00000002276	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSAMXG00000016412	ENSAMXP00000016895	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein [Source:HGNC Symbol;Acc:HGNC:5959]	IKBKAP
ENSAMXG00000017291	ENSAMXP00000017795	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSAMXG00000011977	ENSAMXP00000012312	interleukin 21 receptor [Source:HGNC Symbol;Acc:HGNC:6006]	IL21R
ENSAMXG0000000688	ENSAMXP0000000704	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSAMXG00000009700	ENSAMXP00000009968	izumo sperm-egg fusion 1 [Source:HGNC Symbol;Acc:HGNC:28539]	IZUMO1
ENSAMXG00000014470	ENSAMXP00000014889	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101

ENSAMXG00000011210	ENSAMXP00000011517	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSAMXG00000019568	ENSAMXP00000020149	KIAA1875 [Source:HGNC Symbol;Acc:HGNC:26959]	KIAA1875
ENSAMXG000000066116	ENSAMXP00000006275	lysosomal-associated membrane protein family, member 5 [Source:HGNC Symbol;Acc:HGNC:16097]	LAMP5
ENSAMXG00000011969	ENSAMXP00000012305	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSAMXG00000002955	ENSAMXP00000003013	leucine rich repeat containing 45 [Source:HGNC Symbol;Acc:HGNC:28302]	LRRC45
ENSAMXG00000006554	ENSAMXP00000006724	leucine rich repeat containing 72 [Source:HGNC Symbol;Acc:HGNC:42972]	LRRC72
ENSAMXG00000024708	ENSAMXP00000025412	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSAMXG00000011690	ENSAMXP00000012015	mastermind-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2568]	MAMLD1
ENSAMXG00000014716	ENSAMXP00000015148	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSAMXG00000020414	ENSAMXP00000021023	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSAMXG00000018171	ENSAMXP00000018715	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MLANA
ENSAMXG00000024979	ENSAMXP00000025687	modulator of apoptosis 1 [Source:HGNC Symbol;Acc:HGNC:16658]	MOAP1
ENSAMXG00000019541	ENSAMXP00000020117	M-phase phosphoprotein 9 [Source:HGNC Symbol;Acc:HGNC:7215]	MPHOSPH9
ENSAMXG00000008646	ENSAMXP00000008904	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSAMXG00000011834	ENSAMXP00000012163	mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:HGNC:14487]	MRPL33
ENSAMXG00000003879	ENSAMXP00000003958	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:HGNC:16655]	MRPL52
ENSAMXG00000003681	ENSAMXP000000003757	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSAMXG00000010824	ENSAMXP000000011114	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSAMXG00000002890	ENSAMXP00000002947	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSAMXG00000007725	ENSAMXP00000007939	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUF84
ENSAMXG00000011456	ENSAMXP000000011774	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSAMXG00000008546	ENSAMXP00000008778	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSAMXG00000004884	ENSAMXP00000005003	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSAMXG00000010643	ENSAMXP00000010936	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSAMXG00000004468	ENSAMXP00000004568	podocalyxin-like 2 [Source:HGNC Symbol;Acc:HGNC:17936]	PODXL2
ENSAMXG00000002092	ENSAMXP00000002136	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSAMXG00000010381	ENSAMXP00000010666	protein phosphatase 1, regulatory subunit 36 [Source:HGNC Symbol;Acc:HGNC:20097]	PPP1R36
ENSAMXG00000013663	ENSAMXP00000014062	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSAMXG00000024908	ENSAMXP00000025614	proline rich 21 [Source:HGNC Symbol;Acc:HGNC:33866]	PRR21
ENSAMXG00000004297	ENSAMXP00000004394	phosphoserine-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSAMXG00000010656	ENSAMXP00000010946	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSAMXG00000006582	ENSAMXP00000006755	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	QRICH2
ENSAMXG00000011921	ENSAMXP00000012251	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RG522
ENSAMXG00000015520	ENSAMXP00000015973	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSAMXG00000017487	ENSAMXP00000017998	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSAMXG00000000400	ENSAMXP00000000403	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWDD3
ENSAMXG00000009241	ENSAMXP00000009499	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSAMXG00000018384	ENSAMXP00000018934	SR-related CTD-associated factor 8 [Source:HGNC Symbol;Acc:HGNC:20959]	SCAF8
ENSAMXG00000016121	ENSAMXP00000016606	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSAMXG00000024539	ENSAMXP00000025239	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSAMXG00000016346	ENSAMXP00000016829	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSAMXG00000006648	ENSAMXP00000006822	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSAMXG00000008608	ENSAMXP00000008846	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSAMXG00000026000	ENSAMXP00000026705	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSAMXG00000013563	ENSAMXP00000013952	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSAMXG00000024287	ENSAMXP00000024991	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSAMXG00000017722	ENSAMXP00000018253	solute carrier family 39, member 11 [Source:HGNC Symbol;Acc:HGNC:14463]	SLC39A11
ENSAMXG00000021613	ENSAMXP00000022260	schlafen family member 13 [Source:HGNC Symbol;Acc:HGNC:26481]	SLFN13
ENSAMXG00000026101	ENSAMXP00000026806	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSAMXG00000024990	ENSAMXP00000025696	small integral membrane protein 10 [Source:HGNC Symbol;Acc:HGNC:41913]	SMIM10
ENSAMXG00000025268	ENSAMXP00000025974	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSAMXG00000011930	ENSAMXP00000012263	sperm associated antigen 8 [Source:HGNC Symbol;Acc:HGNC:14105]	SPAG8
ENSAMXG00000010186	ENSAMXP00000010460	spermatogenesis associated, serine-rich 1 [Source:HGNC Symbol;Acc:HGNC:22957]	SPATS1
ENSAMXG00000025286	ENSAMXP00000025992	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSAMXG00000012349	ENSAMXP00000012695	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSAMXG00000004159	ENSAMXP00000004253	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSAMXG00000013668	ENSAMXP00000014061	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) [Source:ZFIN;Acc:ZDB-GENE-030131-5395]	st13
ENSAMXG00000016961	ENSAMXP00000017475	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSAMXG00000004002	ENSAMXP00000004089	the sperm protein-like [Source:HGNC Symbol;Acc:HGNC:43771]	THEGL
ENSAMXG00000013655	ENSAMXP00000014047	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSAMXG000000004518	ENSAMXP00000004624	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSAMXG00000008525	ENSAMXP00000008758	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSAMXG00000020375	ENSAMXP00000020979	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSAMXG000000025119	ENSAMXP00000025825	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSAMXG00000002895	ENSAMXP00000002949	testis and ovary specific PAZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24746]	TOPAZ1
ENSAMXG00000016360	ENSAMXP00000016841	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSAMXG00000001932	ENSAMXP00000001973	tetratricopeptide repeat domain 24 [Source:HGNC Symbol;Acc:HGNC:32348]	TTC24
ENSAMXG00000009657	ENSAMXP00000009935	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSAMXG00000011953	ENSAMXP00000012285	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSAMXG00000012947	ENSAMXP00000013323	UBX domain protein 4 [Source:HGNC Symbol;Acc:HGNC:14860]	UBLN4
ENSAMXG00000013273	ENSAMXP00000013657	ubiquinol-cytochrome c reductase, complex III subunit X [Source:HGNC Symbol;Acc:HGNC:30863]	UQCRC10
ENSAMXG00000002773	ENSAMXP00000002840	VCP-interacting membrane protein [Source:ZFIN;Acc:ZDB-GENE-060804-1]	vimp
ENSAMXG00000002284	ENSAMXP00000002332	zinc finger, C3H1-type containing [Source:HGNC Symbol;Acc:HGNC:28328]	ZFC3H1
ENSAMXG00000007503	ENSAMXP00000007711	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSAMXG00000008594	ENSAMXP00000008832	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSAMXG00000000092	ENSAMXP00000000091	novel gene	ENSAMXG00000000092
ENSAMXG00000000012	ENSAMXP00000000019	novel gene	ENSAMXG00000000012
ENSAMXG00000000023	ENSAMXP00000000029	novel gene	ENSAMXG00000000023

ENSAMXG0000000372	ENSAMXP0000000380	novel gene	ENSAMXG0000000372
ENSAMXG0000000445	ENSAMXP0000000450	novel gene	ENSAMXG0000000445
ENSAMXG0000000649	ENSAMXP0000000661	novel gene	ENSAMXG0000000649
ENSAMXG0000000677	ENSAMXP0000000686	novel gene	ENSAMXG0000000677
ENSAMXG0000001087	ENSAMXP0000001109	novel gene	ENSAMXG0000001087
ENSAMXG0000001088	ENSAMXP0000001110	novel gene	ENSAMXG0000001088
ENSAMXG0000001234	ENSAMXP0000001260	novel gene	ENSAMXG0000001234
ENSAMXG0000001338	ENSAMXP0000001359	novel gene	ENSAMXG0000001338
ENSAMXG0000001637	ENSAMXP0000001666	novel gene	ENSAMXG0000001637
ENSAMXG0000002028	ENSAMXP0000002067	novel gene	ENSAMXG0000002028
ENSAMXG0000002052	ENSAMXP0000002093	novel gene	ENSAMXG0000002052
ENSAMXG0000002054	ENSAMXP0000002097	novel gene	ENSAMXG0000002054
ENSAMXG0000002324	ENSAMXP0000002374	novel gene	ENSAMXG0000002324
ENSAMXG0000002564	ENSAMXP0000002623	novel gene	ENSAMXG0000002564
ENSAMXG0000002618	ENSAMXP0000002682	novel gene	ENSAMXG0000002618
ENSAMXG0000002692	ENSAMXP0000002757	novel gene	ENSAMXG0000002692
ENSAMXG0000002790	ENSAMXP0000002856	novel gene	ENSAMXG0000002790
ENSAMXG0000002845	ENSAMXP0000002907	novel gene	ENSAMXG0000002845
ENSAMXG0000002879	ENSAMXP0000002939	novel gene	ENSAMXG0000002879
ENSAMXG0000002944	ENSAMXP0000003000	novel gene	ENSAMXG0000002944
ENSAMXG0000003070	ENSAMXP0000003130	novel gene	ENSAMXG0000003070
ENSAMXG0000003178	ENSAMXP0000003240	novel gene	ENSAMXG0000003178
ENSAMXG0000003189	ENSAMXP0000003256	novel gene	ENSAMXG0000003189
ENSAMXG0000003601	ENSAMXP0000003673	novel gene	ENSAMXG0000003601
ENSAMXG0000003861	ENSAMXP0000003944	novel gene	ENSAMXG0000003861
ENSAMXG0000003885	ENSAMXP0000003966	novel gene	ENSAMXG0000003885
ENSAMXG0000003958	ENSAMXP0000004044	novel gene	ENSAMXG0000003958
ENSAMXG0000004079	ENSAMXP0000004168	novel gene	ENSAMXG0000004079
ENSAMXG0000004155	ENSAMXP0000004248	novel gene	ENSAMXG0000004155
ENSAMXG0000004361	ENSAMXP0000004464	novel gene	ENSAMXG0000004361
ENSAMXG0000004618	ENSAMXP0000004722	novel gene	ENSAMXG0000004618
ENSAMXG0000004775	ENSAMXP0000004885	novel gene	ENSAMXG0000004775
ENSAMXG0000004990	ENSAMXP0000005115	novel gene	ENSAMXG0000004990
ENSAMXG0000005218	ENSAMXP0000005342	novel gene	ENSAMXG0000005218
ENSAMXG0000005357	ENSAMXP0000005489	novel gene	ENSAMXG0000005357
ENSAMXG0000005519	ENSAMXP0000005657	novel gene	ENSAMXG0000005519
ENSAMXG0000005833	ENSAMXP0000005973	novel gene	ENSAMXG0000005833
ENSAMXG0000005844	ENSAMXP0000005984	novel gene	ENSAMXG0000005844
ENSAMXG0000005877	ENSAMXP0000006014	novel gene	ENSAMXG0000005877
ENSAMXG0000006016	ENSAMXP0000006165	novel gene	ENSAMXG0000006016
ENSAMXG0000006030	ENSAMXP0000006181	novel gene	ENSAMXG0000006030
ENSAMXG0000006070	ENSAMXP0000006223	novel gene	ENSAMXG0000006070
ENSAMXG0000006184	ENSAMXP0000006344	novel gene	ENSAMXG0000006184
ENSAMXG0000006252	ENSAMXP0000006415	novel gene	ENSAMXG0000006252
ENSAMXG0000006335	ENSAMXP0000006501	novel gene	ENSAMXG0000006335
ENSAMXG0000006819	ENSAMXP0000007001	novel gene	ENSAMXG0000006819
ENSAMXG0000007003	ENSAMXP0000007191	novel gene	ENSAMXG0000007003
ENSAMXG0000006999	ENSAMXP0000007192	novel gene	ENSAMXG0000006999
ENSAMXG0000007022	ENSAMXP0000007214	novel gene	ENSAMXG0000007022
ENSAMXG0000007165	ENSAMXP0000007355	novel gene	ENSAMXG0000007165
ENSAMXG0000007238	ENSAMXP0000007433	novel gene	ENSAMXG0000007238
ENSAMXG0000007240	ENSAMXP0000007436	novel gene	ENSAMXG0000007240
ENSAMXG0000007241	ENSAMXP0000007437	novel gene	ENSAMXG0000007241
ENSAMXG0000007590	ENSAMXP0000007800	novel gene	ENSAMXG0000007590
ENSAMXG0000007624	ENSAMXP0000007834	novel gene	ENSAMXG0000007624
ENSAMXG0000007626	ENSAMXP0000007835	novel gene	ENSAMXG0000007626
ENSAMXG0000007628	ENSAMXP0000007836	novel gene	ENSAMXG0000007628
ENSAMXG0000007781	ENSAMXP0000008003	novel gene	ENSAMXG0000007781
ENSAMXG0000007785	ENSAMXP0000008007	novel gene	ENSAMXG0000007785
ENSAMXG0000007906	ENSAMXP0000008122	novel gene	ENSAMXG0000007906
ENSAMXG0000008330	ENSAMXP0000008561	novel gene	ENSAMXG0000008330
ENSAMXG0000008360	ENSAMXP0000008590	novel gene	ENSAMXG0000008360
ENSAMXG0000008589	ENSAMXP0000008823	novel gene	ENSAMXG0000008589
ENSAMXG0000008681	ENSAMXP0000008922	novel gene	ENSAMXG0000008681
ENSAMXG0000008692	ENSAMXP0000008927	novel gene	ENSAMXG0000008692
ENSAMXG0000009073	ENSAMXP0000009320	novel gene	ENSAMXG0000009073
ENSAMXG0000009083	ENSAMXP0000009328	novel gene	ENSAMXG0000009083
ENSAMXG0000009132	ENSAMXP0000009382	novel gene	ENSAMXG0000009132
ENSAMXG0000009133	ENSAMXP0000009383	novel gene	ENSAMXG0000009133
ENSAMXG0000009181	ENSAMXP0000009435	novel gene	ENSAMXG0000009181
ENSAMXG0000009310	ENSAMXP0000009571	novel gene	ENSAMXG0000009310
ENSAMXG0000009331	ENSAMXP0000009590	novel gene	ENSAMXG0000009331
ENSAMXG0000009349	ENSAMXP0000009603	novel gene	ENSAMXG0000009349
ENSAMXG0000009391	ENSAMXP0000009645	novel gene	ENSAMXG0000009391
ENSAMXG0000009589	ENSAMXP0000009854	novel gene	ENSAMXG0000009589
ENSAMXG0000009597	ENSAMXP0000009867	novel gene	ENSAMXG0000009597
ENSAMXG0000009711	ENSAMXP0000009976	novel gene	ENSAMXG0000009711
ENSAMXG0000009965	ENSAMXP0000010233	novel gene	ENSAMXG0000009965
ENSAMXG0000010031	ENSAMXP0000010297	novel gene	ENSAMXG0000010031

ENSAMXG00000019942	ENSAMXP00000020535	novel gene	ENSAMXG00000019942
ENSAMXG00000020225	ENSAMXP00000020822	novel gene	ENSAMXG00000020225
ENSAMXG00000020355	ENSAMXP00000020957	novel gene	ENSAMXG00000020355
ENSAMXG00000020537	ENSAMXP00000021148	novel gene	ENSAMXG00000020537
ENSAMXG00000020878	ENSAMXP00000021490	novel gene	ENSAMXG00000020878
ENSAMXG00000020881	ENSAMXP00000021494	novel gene	ENSAMXG00000020881
ENSAMXG00000020900	ENSAMXP00000021512	novel gene	ENSAMXG00000020900
ENSAMXG00000021542	ENSAMXP00000022185	novel gene	ENSAMXG00000021542
ENSAMXG00000024623	ENSAMXP00000025328	novel gene	ENSAMXG00000024623
ENSAMXG00000024843	ENSAMXP00000025549	novel gene	ENSAMXG00000024843
ENSAMXG00000024845	ENSAMXP00000025551	novel gene	ENSAMXG00000024845
ENSAMXG00000024860	ENSAMXP00000025566	novel gene	ENSAMXG00000024860
ENSAMXG00000024873	ENSAMXP00000025579	novel gene	ENSAMXG00000024873
ENSAMXG00000024901	ENSAMXP00000025607	novel gene	ENSAMXG00000024901
ENSAMXG00000024938	ENSAMXP00000025643	novel gene	ENSAMXG00000024938
ENSAMXG00000024939	ENSAMXP00000025645	novel gene	ENSAMXG00000024939
ENSAMXG00000024967	ENSAMXP00000025673	novel gene	ENSAMXG00000024967
ENSAMXG00000024992	ENSAMXP00000025698	novel gene	ENSAMXG00000024992
ENSAMXG00000025043	ENSAMXP00000025749	novel gene	ENSAMXG00000025043
ENSAMXG00000025044	ENSAMXP00000025750	novel gene	ENSAMXG00000025044
ENSAMXG00000025105	ENSAMXP00000025811	novel gene	ENSAMXG00000025105
ENSAMXG00000025125	ENSAMXP00000025831	novel gene	ENSAMXG00000025125
ENSAMXG00000025147	ENSAMXP00000025853	novel gene	ENSAMXG00000025147
ENSAMXG00000025158	ENSAMXP00000025864	novel gene	ENSAMXG00000025158
ENSAMXG00000025184	ENSAMXP00000025890	novel gene	ENSAMXG00000025184
ENSAMXG00000025191	ENSAMXP00000025897	novel gene	ENSAMXG00000025191
ENSAMXG00000025264	ENSAMXP00000025970	novel gene	ENSAMXG00000025264
ENSAMXG00000025378	ENSAMXP00000026084	novel gene	ENSAMXG00000025378
ENSAMXG00000025381	ENSAMXP00000026087	novel gene	ENSAMXG00000025381
ENSAMXG00000025392	ENSAMXP00000026098	novel gene	ENSAMXG00000025392
ENSAMXG00000025408	ENSAMXP00000026114	novel gene	ENSAMXG00000025408
ENSAMXG00000025430	ENSAMXP00000026135	novel gene	ENSAMXG00000025430
ENSAMXG00000025451	ENSAMXP00000026156	novel gene	ENSAMXG00000025451
ENSAMXG00000025557	ENSAMXP00000026262	novel gene	ENSAMXG00000025557
ENSAMXG00000025586	ENSAMXP00000026291	novel gene	ENSAMXG00000025586
ENSAMXG00000025590	ENSAMXP00000026295	novel gene	ENSAMXG00000025590
ENSAMXG00000025631	ENSAMXP00000026336	novel gene	ENSAMXG00000025631
ENSAMXG00000025660	ENSAMXP00000026365	novel gene	ENSAMXG00000025660
ENSAMXG00000025661	ENSAMXP00000026366	novel gene	ENSAMXG00000025661
ENSAMXG00000025776	ENSAMXP00000026481	novel gene	ENSAMXG00000025776
ENSAMXG00000025782	ENSAMXP00000026487	novel gene	ENSAMXG00000025782
ENSAMXG00000025828	ENSAMXP00000026533	novel gene	ENSAMXG00000025828
ENSAMXG00000025843	ENSAMXP00000026548	novel gene	ENSAMXG00000025843
ENSAMXG00000025849	ENSAMXP00000026554	novel gene	ENSAMXG00000025849
ENSAMXG00000025869	ENSAMXP00000026574	novel gene	ENSAMXG00000025869
ENSAMXG00000025876	ENSAMXP00000026581	novel gene	ENSAMXG00000025876
ENSAMXG00000025918	ENSAMXP00000026623	novel gene	ENSAMXG00000025918
ENSAMXG00000025963	ENSAMXP00000026668	novel gene	ENSAMXG00000025963
ENSAMXG00000025980	ENSAMXP00000026685	novel gene	ENSAMXG00000025980
ENSAMXG00000025981	ENSAMXP00000026686	novel gene	ENSAMXG00000025981
ENSAMXG00000026005	ENSAMXP00000026710	novel gene	ENSAMXG00000026005
ENSAMXG00000026030	ENSAMXP00000026735	novel gene	ENSAMXG00000026030
ENSAMXG00000026096	ENSAMXP00000026801	novel gene	ENSAMXG00000026096
ENSAMXG00000026099	ENSAMXP00000026804	novel gene	ENSAMXG00000026099
ENSAMXG00000026131	ENSAMXP00000026836	novel gene	ENSAMXG00000026131
ENSAMXG00000026293	ENSAMXP00000026998	novel gene	ENSAMXG00000026293
ENSAMXG00000026335	ENSAMXP00000027040	novel gene	ENSAMXG00000026335
ENSAMXG00000026347	ENSAMXP00000027052	novel gene	ENSAMXG00000026347
ENSAMXG00000026461	ENSAMXP00000027166	novel gene	ENSAMXG00000026461
ENSAMXG00000026493	ENSAMXP00000027198	novel gene	ENSAMXG00000026493

Supplemental table 14. Atlantic cod specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGMORG00000005890	ENSGMOP00000006258	ankyrin repeat and ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29642]	ANKUB1
ENSGMORG00000005321	ENSGMOP00000005631	aprataxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSGMORG00000013511	ENSGMOP00000014436	Agouti signaling peptide 2 [Source:UniProtKB/TrEMBL;Acc:J3FBV6]	ASIP2
ENSGMORG00000000862	ENSGMOP00000000890	BCL6 corepressor [Source:HGNC Symbol;Acc:HGNC:20893]	BCOR
ENSGMORG00000009153	ENSGMOP00000009783	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Acc:HGNC:26563]	C10orf90
ENSGMORG00000011869	ENSGMOP00000012694	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:19846]	C14orf37
ENSGMORG00000005585	ENSGMOP00000005921	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C18orf54
ENSGMORG00000019594	ENSGMOP00000021072	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSGMORG00000019191	ENSGMOP00000020651	chromosome 1 open reading frame 177 [Source:HGNC Symbol;Acc:HGNC:26854]	C1orf177
ENSGMORG00000004116	ENSGMOP00000004358	chromosome 21 open reading frame 2 [Source:HGNC Symbol;Acc:HGNC:1260]	C21orf2
ENSGMORG00000013966	ENSGMOP00000014912	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]	C21orf62
ENSGMORG00000002524	ENSGMOP00000002658	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:26255]	C3orf52
ENSGMORG00000012040	ENSGMOP00000012887	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSGMORG00000005941	ENSGMOP00000006316	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:22564]	C7orf72
ENSGMORG00000017990	ENSGMOP00000019341	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSGMORG00000020187	ENSGMOP00000021674	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:31009]	C9orf69
ENSGMORG00000008000	ENSGMOP00000008561	calcium modulating ligand [Source:ZFIN;Acc:ZDB-GENE-040426-2407]	camlg
ENSGMORG00000014864	ENSGMOP00000015971	carnosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:29268]	CARNS1
ENSGMORG00000005790	ENSGMOP00000006156	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSGMORG00000000433	ENSGMOP00000000434	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSGMORG00000019161	ENSGMOP00000020608	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSGMORG00000010033	ENSGMOP00000010724	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSGMORG00000016587	ENSGMOP00000017799	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSGMORG00000003738	ENSGMOP00000003979	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]	CCDC81
ENSGMORG00000013492	ENSGMOP00000014422	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437]	CCNB1P1
ENSGMORG00000004557	ENSGMOP00000004838	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSGMORG00000007304	ENSGMOP00000007803	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSGMORG00000000414	ENSGMOP00000000408	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSGMORG00000012977	ENSGMOP00000013877	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:27578]	CISD3
ENSGMORG00000009532	ENSGMOP00000010186	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSGMORG00000020431	ENSGMOP00000021918	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSGMORG00000019478	ENSGMOP00000020951	collagen, type VIII, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2215]	COL8A1
ENSGMORG00000007318	ENSGMOP00000007816	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMD10
ENSGMORG00000011271	ENSGMOP00000012043	cytokine receptor family member b1 [Source:ZFIN;Acc:ZDB-GENE-030131-8673]	crfb1
ENSGMORG00000000650	ENSGMOP00000006969	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIP1
ENSGMORG00000016331	ENSGMOP00000017514	chitobiase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTBS
ENSGMORG00000003483	ENSGMOP00000003712	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSGMORG00000003112	ENSGMOP00000003267	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGMORG00000005001	ENSGMOP00000005291	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSGMORG00000005104	ENSGMOP00000005420	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSGMORG00000002205	ENSGMOP00000002339	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCA14
ENSGMORG00000011604	ENSGMOP00000012430	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSGMORG00000017580	ENSGMOP00000018904	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSGMORG00000001722	ENSGMOP00000001817	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSGMORG00000017311	ENSGMOP00000018631	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSGMORG00000017360	ENSGMOP00000018695	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSGMORG00000014460	ENSGMOP00000015455	family with sequence similarity 103, member A1 [Source:HGNC Symbol;Acc:HGNC:31022]	FAM103A1
ENSGMORG00000006897	ENSGMOP00000007327	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSGMORG00000015732	ENSGMOP00000016875	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSGMORG00000007014	ENSGMOP00000007463	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBXO47
ENSGMORG00000002130	ENSGMOP00000002282	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSGMORG00000013167	ENSGMOP00000014080	GO/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]	GOS2
ENSGMORG00000007038	ENSGMOP00000007503	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSGMORG00000007658	ENSGMOP00000008191	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSGMORG00000015208	ENSGMOP00000016279	G patch domain containing 2-like [Source:HGNC Symbol;Acc:HGNC:20210]	GPATCH2L
ENSGMORG00000014011	ENSGMOP00000015000	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSGMORG00000003417	ENSGMOP00000003691	general transcription factor IIIC, polypeptide 1, alpha 220kDa [Source:HGNC Symbol;Acc:HGNC:4664]	GTF3C1
ENSGMORG00000015554	ENSGMOP00000016678	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSGMORG00000007236	ENSGMOP00000007724	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSGMORG00000010116	ENSGMOP00000010825	idnK, gluconokinase homolog (E. coli) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSGMORG00000013812	ENSGMOP00000014755	intraflagellar transport 122 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:HGNC:13556]	IFT122
ENSGMORG00000010810	ENSGMOP00000011560	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSGMORG00000016625	ENSGMOP00000017837	Interleukin-8 [Source:UniProtKB/TrEMBL;Acc:Q1M164]	IL-8
ENSGMORG00000012071	ENSGMOP00000012914	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSGMORG00000005868	ENSGMOP00000006230	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101
ENSGMORG00000005561	ENSGMOP00000005955	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSGMORG00000004302	ENSGMOP00000004552	leucine rich repeat containing 31 [Source:HGNC Symbol;Acc:HGNC:26261]	LRR31
ENSGMORG00000012356	ENSGMOP00000013221	leucine rich adaptor protein 1-like [Source:HGNC Symbol;Acc:HGNC:31452]	LURAP1L
ENSGMORG00000011310	ENSGMOP00000012093	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSGMORG00000004735	ENSGMOP00000005018	MANSC domain containing 4 [Source:HGNC Symbol;Acc:HGNC:40023]	MANSC4
ENSGMORG00000018453	ENSGMOP00000019842	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSGMORG00000001978	ENSGMOP00000002109	myristoylated alanine rich protein kinase C substrate a [Source:ZFIN;Acc:ZDB-GENE-050522-145]	marckska
ENSGMORG00000013373	ENSGMOP00000014300	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSGMORG00000001405	ENSGMOP00000001469	multiciliate differentiation and DNA synthesis associated cell cycle protein [Source:HGNC Symbol;Acc:HGNC:40050]	MCIDAS
ENSGMORG00000020186	ENSGMOP00000021673	major facilitator superfamily domain containing 6-like [Source:ZFIN;Acc:ZDB-GENE-040801-105]	mfsd6l
ENSGMORG00000013700	ENSGMOP00000014648	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MLANA

ENSGM0G00000012847	ENSGMOP00000013757	MRE11 meiotic recombination 11 homolog A (<i>S. cerevisiae</i>) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSGM0G00000001965	ENSGMOP00000002085	mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:HGNC:14487]	MRPL33
ENSGM0G00000002134	ENSGMOP00000002289	metadherin a [Source:ZFIN;Acc:ZDB-GENE-030616-615]	mtdha
ENSGM0G00000008055	ENSGMOP00000008631	mucin 17, cell surface associated [Source:HGNC Symbol;Acc:HGNC:16800]	MUC17
ENSGM0G00000015262	ENSGMOP00000016331	myc target 1 [Source:ZFIN;Acc:ZDB-GENE-041001-143]	myct1
ENSGM0G00000012133	ENSGMOP00000012992	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSGM0G00000012812	ENSGMOP00000013714	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUFB4
ENSGM0G00000009303	ENSGMOP00000009957	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSGM0G00000004184	ENSGMOP00000004431	NOP16 nucleolar protein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-267]	nop16
ENSGM0G00000008943	ENSGMOP00000009567	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSGM0G00000011603	ENSGMOP00000012405	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSGM0G0000000698	ENSGMOP00000006885	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21017]	OFCC1
ENSGM0G00000019083	ENSGMOP00000020523	poly(A) binding protein interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:17970]	PAIP2
ENSGM0G00000006805	ENSGMOP00000007260	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSGM0G00000003584	ENSGMOP00000003890	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSGM0G00000018782	ENSGMOP00000020168	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSGM0G00000005540	ENSGMOP00000005879	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSGM0G00000008669	ENSGMOP00000009317	phosphoserine-threonine kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSGM0G00000008384	ENSGMOP00000008974	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSGM0G00000013083	ENSGMOP00000013984	quinolate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPR1
ENSGM0G00000015400	ENSGMOP00000016501	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSGM0G00000013353	ENSGMOP00000014306	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSGM0G00000005197	ENSGMOP00000005501	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSGM0G00000017907	ENSGMOP00000019240	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSGM0G00000020578	ENSGMOP00000022065	receptor (chemosensory) transporter protein 4 [Source:HGNC Symbol;Acc:HGNC:23992]	RTP4
ENSGM0G00000011934	ENSGMOP00000012765	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWDD3
ENSGM0G00000006680	ENSGMOP00000007114	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSGM0G00000010813	ENSGMOP00000011562	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSGM0G00000002297	ENSGMOP00000002453	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSGM0G00000001977	ENSGMOP00000002096	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSGM0G00000015227	ENSGMOP00000016295	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSGM0G00000004391	ENSGMOP00000004655	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSGM0G00000019673	ENSGMOP000000021160	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGM0G00000012915	ENSGMOP00000013810	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSGM0G00000016095	ENSGMOP00000017254	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSGM0G00000017776	ENSGMOP00000019111	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSGM0G00000011482	ENSGMOP00000012272	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSGM0G00000008815	ENSGMOP00000009436	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	SIL1
ENSGM0G00000011294	ENSGMOP00000012076	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSGM0G00000015446	ENSGMOP00000016544	schlafen-like 1 [Source:HGNC Symbol;Acc:HGNC:26313]	SLFN1L
ENSGM0G00000005520	ENSGMOP00000005870	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29090]	SMCHD1
ENSGM0G00000005036	ENSGMOP00000005325	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSGM0G00000007004	ENSGMOP00000007452	spermatogenesis and centriole associated 1 [Source:HGNC Symbol;Acc:HGNC:30510]	SPATC1
ENSGM0G00000015605	ENSGMOP00000016742	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSGM0G00000012360	ENSGMOP00000013230	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HGNC:26729]	SRRM3
ENSGM0G00000006714	ENSGMOP00000007184	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSGM0G00000004294	ENSGMOP00000004557	suppressor of fused homolog (<i>Drosophila</i>) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSGM0G00000002009	ENSGMOP00000002141	sulfite oxidase [Source:HGNC Symbol;Acc:HGNC:11460]	SUOX
ENSGM0G00000003861	ENSGMOP00000004083	TRAF family member-associated NFKB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSGM0G00000005957	ENSGMOP00000006342	tectonic family member 3 [Source:HGNC Symbol;Acc:HGNC:24519]	TCTN3
ENSGM0G00000019163	ENSGMOP00000020633	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSGM0G00000019797	ENSGMOP00000021284	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]	TMEM158
ENSGM0G00000008044	ENSGMOP00000008609	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSGM0G00000013697	ENSGMOP00000014638	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSGM0G00000014264	ENSGMOP00000015259	testis and ovary specific PAZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24746]	TOPAZ1
ENSGM0G00000001406	ENSGMOP00000001524	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPP2C2L
ENSGM0G00000008642	ENSGMOP00000009242	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSGM0G00000003567	ENSGMOP00000003819	tetratricopeptide repeat domain 16 [Source:HGNC Symbol;Acc:HGNC:26536]	TTC16
ENSGM0G00000014645	ENSGMOP00000015669	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSGM0G00000007612	ENSGMOP00000008144	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSGM0G00000000660	ENSGMOP00000000669	UBX domain protein 4 [Source:HGNC Symbol;Acc:HGNC:14860]	UBXN4
ENSGM0G00000010515	ENSGMOP00000011256	unc-79 homolog (<i>C. elegans</i>) [Source:HGNC Symbol;Acc:HGNC:19966]	UNC79
ENSGM0G00000012160	ENSGMOP00000013020	ubiquinol-cytochrome c reductase, complex III subunit X [Source:HGNC Symbol;Acc:HGNC:30863]	UQCRC1
ENSGM0G00000007876	ENSGMOP00000008433	vomer nasal 1 receptor 1 [Source:HGNC Symbol;Acc:HGNC:13548]	VN1R1
ENSGM0G00000000929	ENSGMOP00000000944	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDF2
ENSGM0G00000005362	ENSGMOP00000005690	zinc finger protein 638 [Source:HGNC Symbol;Acc:HGNC:17894]	ZNF638
ENSGM0G00000000030	ENSGMOP00000000034	novel gene	ENSGM0G00000000030
ENSGM0G00000000078	ENSGMOP00000000078	novel gene	ENSGM0G00000000078
ENSGM0G00000000094	ENSGMOP00000000099	novel gene	ENSGM0G00000000094
ENSGM0G00000000130	ENSGMOP00000000130	novel gene	ENSGM0G00000000130
ENSGM0G00000000144	ENSGMOP00000000144	novel gene	ENSGM0G00000000144
ENSGM0G00000000149	ENSGMOP00000000149	novel gene	ENSGM0G00000000149
ENSGM0G00000000159	ENSGMOP00000000158	novel gene	ENSGM0G00000000159
ENSGM0G00000000219	ENSGMOP00000000222	novel gene	ENSGM0G00000000219
ENSGM0G00000000293	ENSGMOP00000000297	novel gene	ENSGM0G00000000293
ENSGM0G00000000361	ENSGMOP00000000348	novel gene	ENSGM0G00000000361
ENSGM0G00000000382	ENSGMOP00000000367	novel gene	ENSGM0G00000000382
ENSGM0G00000000423	ENSGMOP00000000410	novel gene	ENSGM0G00000000423
ENSGM0G00000000562	ENSGMOP00000000545	novel gene	ENSGM0G00000000562

ENSGMOP00000020372	ENSGMOP00000021858	novel gene	ENSGMOP00000020372
ENSGMOP00000020382	ENSGMOP00000021868	novel gene	ENSGMOP00000020382
ENSGMOP00000020396	ENSGMOP00000021883	novel gene	ENSGMOP00000020396
ENSGMOP00000020404	ENSGMOP00000021891	novel gene	ENSGMOP00000020404
ENSGMOP00000020410	ENSGMOP00000021897	novel gene	ENSGMOP00000020410
ENSGMOP00000020411	ENSGMOP00000021898	novel gene	ENSGMOP00000020411
ENSGMOP00000020416	ENSGMOP00000021903	novel gene	ENSGMOP00000020416
ENSGMOP00000020430	ENSGMOP00000021917	novel gene	ENSGMOP00000020430
ENSGMOP00000020438	ENSGMOP00000021925	novel gene	ENSGMOP00000020438
ENSGMOP00000020448	ENSGMOP00000021935	novel gene	ENSGMOP00000020448
ENSGMOP00000020454	ENSGMOP00000021941	novel gene	ENSGMOP00000020454
ENSGMOP00000020455	ENSGMOP00000021942	novel gene	ENSGMOP00000020455
ENSGMOP00000020476	ENSGMOP00000021963	novel gene	ENSGMOP00000020476
ENSGMOP00000020486	ENSGMOP00000021973	novel gene	ENSGMOP00000020486
ENSGMOP00000020493	ENSGMOP00000021980	novel gene	ENSGMOP00000020493
ENSGMOP00000020502	ENSGMOP00000021989	novel gene	ENSGMOP00000020502
ENSGMOP00000020513	ENSGMOP00000022000	novel gene	ENSGMOP00000020513
ENSGMOP00000020517	ENSGMOP00000022004	novel gene	ENSGMOP00000020517
ENSGMOP00000020522	ENSGMOP00000022009	novel gene	ENSGMOP00000020522
ENSGMOP00000020537	ENSGMOP00000022024	novel gene	ENSGMOP00000020537
ENSGMOP00000020539	ENSGMOP00000022026	novel gene	ENSGMOP00000020539
ENSGMOP00000020541	ENSGMOP00000022028	novel gene	ENSGMOP00000020541
ENSGMOP00000020542	ENSGMOP00000022029	novel gene	ENSGMOP00000020542
ENSGMOP00000020546	ENSGMOP00000022033	novel gene	ENSGMOP00000020546
ENSGMOP00000020547	ENSGMOP00000022034	novel gene	ENSGMOP00000020547
ENSGMOP00000020552	ENSGMOP00000022039	novel gene	ENSGMOP00000020552
ENSGMOP00000020554	ENSGMOP00000022041	novel gene	ENSGMOP00000020554
ENSGMOP00000020556	ENSGMOP00000022043	novel gene	ENSGMOP00000020556
ENSGMOP00000020595	ENSGMOP00000022082	novel gene	ENSGMOP00000020595
ENSGMOP00000020596	ENSGMOP00000022083	novel gene	ENSGMOP00000020596
ENSGMOP00000020602	ENSGMOP00000022089	novel gene	ENSGMOP00000020602

Supplemental table 15. Fugu specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTRUG00000003952	ENSTRUP00000009355	Takifugu rubripes agouti related protein 2 (<i>agrp2</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001098656]	AGRP2
ENSTRUG00000002453	ENSTRUP00000005680	Takifugu rubripes agouti signaling protein 2 (<i>asip2</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001098654]	asip2
ENSTRUG00000008805	ENSTRUP00000022123	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSTRUG00000001714	ENSTRUP00000003934	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSTRUG00000002742	ENSTRUP00000006379	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:27568]	C17orf58
ENSTRUG00000010072	ENSTRUP00000025340	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSTRUG00000003556	ENSTRUP00000008344	chromosome 21 open reading frame 2 [Source:HGNC Symbol;Acc:HGNC:1260]	C21orf2
ENSTRUG00000003865	ENSTRUP00000009111	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSTRUG00000007290	ENSTRUP00000017973	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSTRUG00000012131	ENSTRUP00000030704	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSTRUG00000017532	ENSTRUP00000044940	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSTRUG00000003717	ENSTRUP00000008723	Takifugu rubripes CD3 epsilon (<i>cd3e</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001037982]	cd3e
ENSTRUG00000003789	ENSTRUP00000008910	Takifugu rubripes CD3 gamma/delta (<i>cd3g/d</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001037983]	cd3g/d
ENSTRUG00000016736	ENSTRUP000000042841	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	COO1
ENSTRUG00000003618	ENSTRUP00000008479	Claudin 14a; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6E5T8]	CLDN14A
ENSTRUG00000004003	ENSTRUP00000009486	Takifugu rubripes C-type natriuretic peptide-3 (<i>cnp-3</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032736]	cnp-3
ENSTRUG00000016749	ENSTRUP000000042880	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMD10
ENSTRUG00000012025	ENSTRUP00000030431	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	CPQ
ENSTRUG00000004782	ENSTRUP00000011407	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIP1
ENSTRUG00000004964	ENSTRUP00000011879	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSTRUG00000002424	ENSTRUP00000005616	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSTRUG00000000046	ENSTRUP00000000109	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSTRUG00000012751	ENSTRUP000000032274	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSTRUG00000009879	ENSTRUP00000024806	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSTRUG00000004474	ENSTRUP00000010642	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSTRUG00000016087	ENSTRUP000000041131	Takifugu rubripes Ellis van Creveld protein-like (<i>evc</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032705]	evc
ENSTRUG00000016050	ENSTRUP000000041043	Takifugu rubripes Ellis van Creveld protein 2-like (<i>evc2</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032706]	evc2
ENSTRUG00000001131	ENSTRUP00000002623	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSTRUG00000017148	ENSTRUP000000043933	family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483]	FAM64A
ENSTRUG00000003649	ENSTRUP000000008547	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBXO47
ENSTRUG00000008895	ENSTRUP00000022368	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTD1
ENSTRUG00000002611	ENSTRUP000000006069	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSTRUG00000001181	ENSTRUP000000002764	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSTRUG00000004493	ENSTRUP00000010671	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSTRUG00000012244	ENSTRUP000000031000	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSTRUG00000011304	ENSTRUP000000028549	idnK, gluconokinase homolog (<i>E. coli</i>) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSTRUG000000001454	ENSTRUP000000003346	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein [Source:ZFIN;Acc:ZDB-GENE-071116-7]	ikbkap
ENSTRUG00000013746	ENSTRUP000000035108	Takifugu rubripes interleukin 15 (<i>il15</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001033048]	IL15
ENSTRUG00000011975	ENSTRUP00000030311	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2U052]	IL-17C-2
ENSTRUG00000009944	ENSTRUP00000025007	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSTRUG000000012448	ENSTRUP000000031535	Takifugu rubripes interleukin-18 (<i>il-18</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032632]	il-18
ENSTRUG00000008720	ENSTRUP00000021900	Takifugu rubripes interleukin-2 precursor (<i>il-2</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001037994]	il-2
ENSTRUG00000008731	ENSTRUP00000021928	Takifugu rubripes interleukin-21 (<i>il-21</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001037993]	IL-21
ENSTRUG000000002048	ENSTRUP000000000540	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSTRUG00000008735	ENSTRUP00000021935	Takifugu rubripes interleukin-6 (<i>il-6</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032722]	IL6
ENSTRUG00000006788	ENSTRUP00000016679	Takifugu rubripes interleukin 8 (<i>il8</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032587]	IL-8
ENSTRUG00000017883	ENSTRUP000000045861	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2V9H1]	ISG12
ENSTRUG00000015897	ENSTRUP000000040637	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSTRUG00000000527	ENSTRUP00000001251	jumping translocation breakpoint [Source:ZFIN;Acc:ZDB-GENE-060503-674]	jtb
ENSTRUG00000014009	ENSTRUP00000035839	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101
ENSTRUG00000010401	ENSTRUP00000026189	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSTRUG00000004260	ENSTRUP00000010111	KIAA0825 [Source:HGNC Symbol;Acc:HGNC:28532]	KIAA0825
ENSTRUG00000013373	ENSTRUP00000034085	Takifugu rubripes leptin (<i>lep</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032725]	LEP
ENSTRUG00000009918	ENSTRUP00000024918	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSTRUG00000007040	ENSTRUP00000017297	myristoylated alanine rich protein kinase C substrate a [Source:ZFIN;Acc:ZDB-GENE-050522-145]	marcksA
ENSTRUG00000017322	ENSTRUP000000044380	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSTRUG00000013539	ENSTRUP000000034544	MRE11 meiotic recombination 11 homolog A (<i>S. cerevisiae</i>) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSTRUG00000008907	ENSTRUP00000022394	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTRUG00000010195	ENSTRUP00000025678	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSTRUG00000007496	ENSTRUP00000018572	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUFB4
ENSTRUG00000013023	ENSTRUP000000033041	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSTRUG00000006670	ENSTRUP00000016131	Neurofibromatosis type 1 neurofibromin; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q918U3]	NF1
ENSTRUG00000002295	ENSTRUP000000005278	nucleolar protein 7 [Source:ZFIN;Acc:ZDB-GENE-030131-9100]	noi7
ENSTRUG00000004987	ENSTRUP00000011945	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSTRUG00000004010	ENSTRUP00000009502	Takifugu rubripes atrial natriuretic peptide (<i>nppa</i>), mRNA. [Source:RefSeq mRNA;Acc:NM_001032565]	NPPA
ENSTRUG00000017171	ENSTRUP000000043980	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NTSC
ENSTRUG00000003303	ENSTRUP00000007722	poly(A) binding protein interacting protein 2B [Source:HGNC Symbol;Acc:HGNC:29200]	PAIP2B
ENSTRUG00000003599	ENSTRUP00000008443	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSTRUG00000007677	ENSTRUP000000019048	podocalyxin-like 2 [Source:HGNC Symbol;Acc:HGNC:17936]	PODXL2
ENSTRUG00000011549	ENSTRUP000000029170	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSTRUG00000000718	ENSTRUP00000001727	protein phosphatase 1, regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	PPP1R15B
ENSTRUG00000001650	ENSTRUP00000003797	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPR1
ENSTRUG00000004402	ENSTRUP00000010462	reversion-inducing-cysteine-rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]	RECK
ENSTRUG00000016042	ENSTRUP000000041026	RANBP2-like and GRIP domain containing 3 [Source:HGNC Symbol;Acc:HGNC:32416]	RGPD3
ENSTRUG00000009256	ENSTRUP00000023279	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A

ENSTRUG00000003514	ENSTRUP00000008253	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSTRUG00000006879	ENSTRUP00000016884	receptor (chemosensory) transporter protein 4 [Source:HGNC Symbol;Acc:HGNC:23992]	RTP4
ENSTRUG00000018665	ENSTRUP00000047812	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSTRUG00000015997	ENSTRUP00000040902	Squamous-cell carcinoma T-cell-recognized antigen; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9DF65]	SART1
ENSTRUG00000009840	ENSTRUP00000024725	Takifugu rubripes secretory calcium-binding phosphoprotein 1 (scpp1), mRNA. [Source:RefSeq mRNA;Acc:NM_001037849]	SCPP1
ENSTRUG00000003596	ENSTRUP00000008439	Takifugu rubripes secretory calcium-binding phosphoprotein 3a (scpp3a), mRNA. [Source:RefSeq mRNA;Acc:NM_001037853]	scpp3a
ENSTRUG00000010211	ENSTRUP00000025713	Takifugu rubripes secretory calcium-binding phosphoprotein 3b (scpp3b), mRNA. [Source:RefSeq mRNA;Acc:NM_001037854]	SCPP3B
ENSTRUG00000010197	ENSTRUP00000025680	Takifugu rubripes secretory calcium-binding phosphoprotein 3c (scpp3c), mRNA. [Source:RefSeq mRNA;Acc:NM_001037855]	scpp3c
ENSTRUG00000010217	ENSTRUP00000025730	Takifugu rubripes secretory calcium-binding phosphoprotein 4 (scpp4), mRNA. [Source:RefSeq mRNA;Acc:NM_001037856]	scpp4
ENSTRUG00000004227	ENSTRUP00000010013	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSTRUG00000009620	ENSTRUP00000024174	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	SIL1
ENSTRUG00000010093	ENSTRUP00000025407	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSTRUG00000014859	ENSTRUP00000037960	spermatogenesis and centriole associated 1 [Source:HGNC Symbol;Acc:HGNC:30510]	SPATC1
ENSTRUG00000006710	ENSTRUP00000016493	Shadow 2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q58DX4]	SPRNB
ENSTRUG00000004913	ENSTRUP00000011734	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSTRUG00000016226	ENSTRUP00000041487	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSTRUG00000011691	ENSTRUP00000029541	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSTRUG00000015457	ENSTRUP00000039544	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSTRUG00000012969	ENSTRUP00000032899	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSTRUG00000003568	ENSTRUP00000008374	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218
ENSTRUG00000011983	ENSTRUP00000030319	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSTRUG00000006012	ENSTRUP00000014625	Takifugu rubripes tumor necrosis factor beta (tnfb), mRNA. [Source:RefSeq mRNA;Acc:NM_001037986]	tnfb
ENSTRUG00000017250	ENSTRUP00000044191	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPP2L
ENSTRUG00000005854	ENSTRUP00000014273	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSTRUG00000005050	ENSTRUP00000012116	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSTRUG00000013643	ENSTRUP00000034866	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSTRUG00000012529	ENSTRUP00000031722	ubiquinol-cytochrome c reductase, complex III subunit X [Source:HGNC Symbol;Acc:HGNC:30863]	UQCR10
ENSTRUG00000011103	ENSTRUP00000028026	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSTRUG00000010818	ENSTRUP00000027315	zgc:158257 [Source:ZFIN;Acc:ZDB-GENE-061215-142]	zgc:158257
ENSTRUG00000009862	ENSTRUP00000024771	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSTRUG00000007093	ENSTRUP00000017417	novel gene	ENSTRUG00000007093
ENSTRUG00000011332	ENSTRUP00000028603	novel gene	ENSTRUG00000011332
ENSTRUG00000017960	ENSTRUP00000046039	novel gene	ENSTRUG00000017960

Supplemental table 16. Coelacanth specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLACG0000005934	ENSLACP0000006691	5',3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSLACG00000010353	ENSLACP00000011761	5',3'-nucleotidase, mitochondrial [Source:HGNC Symbol;Acc:HGNC:15769]	NT5M
ENSLACG00000006060	ENSLACP00000006827	adenylate cyclase 10 (soluble) [Source:HGNC Symbol;Acc:HGNC:21285]	ADCY10
ENSLACG00000005961	ENSLACP00000006721	alpha 1,4-galactosyltransferase [Source:HGNC Symbol;Acc:HGNC:18149]	A4GALT
ENSLACG000000022406	ENSLACP000000023132	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11 [Source:HGNC Symbol;Acc:HGNC:14438]	ALS2CR11
ENSLACG000000022324	ENSLACP000000022543	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12 [Source:HGNC Symbol;Acc:HGNC:14439]	ALS2CR12
ENSLACG00000006987	ENSLACP00000007894	ankyrin repeat and SOCS box containing 17 [Source:HGNC Symbol;Acc:HGNC:19769]	ASB17
ENSLACG000000014504	ENSLACP00000016461	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) [Source:HGNC Symbol;Acc:HGNC:32152]	APOBEC4
ENSLACG00000016272	ENSLACP00000018480	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSLACG00000015354	ENSLACP00000017431	apratxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSLACG000000022688	ENSLACP000000023658	ATP synthase protein 8 [Source:UniProtKB/Swiss-Prot;Acc:O03168]	ATP8
ENSLACG000000022323	ENSLACP000000022201	BCL2-like 11 (apoptosis facilitator) [Source:HGNC Symbol;Acc:HGNC:994]	BCL2L11
ENSLACG00000015519	ENSLACP00000017621	brain abundant, membrane attached signal protein 1 [Source:HGNC Symbol;Acc:HGNC:957]	BASP1
ENSLACG00000004375	ENSLACP00000004920	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	CPQ
ENSLACG00000007700	ENSLACP00000008712	cardiotrophin-like cytokine factor 1 [Source:ZFIN;Acc:ZDB-GENE-110411-244]	clcf1
ENSLACG00000004902	ENSLACP00000005515	cation channel, sperm associated 3 [Source:HGNC Symbol;Acc:HGNC:20819]	CATSPER3
ENSLACG00000018989	ENSLACP000000022379	catsper channel auxiliary subunit beta [Source:HGNC Symbol;Acc:HGNC:20500]	CATSPERB
ENSLACG000000022153	ENSLACP000000023147	catsper channel auxiliary subunit delta [Source:HGNC Symbol;Acc:HGNC:28598]	CATSPERD
ENSLACG00000015383	ENSLACP000000022869	catsper channel auxiliary subunit gamma [Source:HGNC Symbol;Acc:HGNC:25243]	CATSPERG
ENSLACG00000009500	ENSLACP00000010789	CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]	CD2
ENSLACG00000005214	ENSLACP00000005871	CD247 molecule [Source:HGNC Symbol;Acc:HGNC:1677]	CD247
ENSLACG00000009560	ENSLACP00000010862	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	CD28
ENSLACG00000018825	ENSLACP000000021425	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]	CD34
ENSLACG00000018232	ENSLACP000000022973	CD3e molecule, epsilon (CD3-TCR complex) [Source:HGNC Symbol;Acc:HGNC:1674]	CD3E
ENSLACG000000022675	ENSLACP000000022759	CD99 molecule [Source:HGNC Symbol;Acc:HGNC:7082]	CD99
ENSLACG00000000027	ENSLACP000000000033	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:27578]	CISD3
ENSLACG00000013186	ENSLACP00000014982	CEBPZ opposite strand [Source:HGNC Symbol;Acc:HGNC:49288]	CEBPZOS
ENSLACG00000014726	ENSLACP00000016716	cell wall biogenesis 43 C-terminal homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26133]	CWH43
ENSLACG00000014831	ENSLACP00000016838	centromere protein C [Source:HGNC Symbol;Acc:HGNC:1854]	CENPC
ENSLACG000000022381	ENSLACP000000022070	centromere protein Q [Source:HGNC Symbol;Acc:HGNC:21347]	CENPQ
ENSLACG00000014850	ENSLACP00000016859	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSLACG00000016548	ENSLACP00000018800	chromogranin B (secretogranin 1) [Source:HGNC Symbol;Acc:HGNC:1930]	CHGB
ENSLACG00000005772	ENSLACP00000006512	chromosome 1 open reading frame 177 [Source:HGNC Symbol;Acc:HGNC:26854]	C1orf177
ENSLACG00000019141	ENSLACP000000021781	chromosome 1 open reading frame 233 [Source:HGNC Symbol;Acc:HGNC:42951]	C1orf233
ENSLACG00000012433	ENSLACP00000014125	chromosome 1 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:28547]	C1orf87
ENSLACG00000003013	ENSLACP000000003370	chromosome 1 open reading frame 94 [Source:HGNC Symbol;Acc:HGNC:28250]	C1orf94
ENSLACG00000017064	ENSLACP00000019401	chromosome 11 open reading frame 16 [Source:HGNC Symbol;Acc:HGNC:1169]	C11orf16
ENSLACG000000022425	ENSLACP000000023526	chromosome 11 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:28541]	C11orf42
ENSLACG000000022253	ENSLACP000000023549	chromosome 11 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:27441]	C11orf85
ENSLACG000000022648	ENSLACP000000022579	chromosome 11 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:34444]	C11orf91
ENSLACG000000022139	ENSLACP000000022267	chromosome 12 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:26846]	C12orf40
ENSLACG000000022366	ENSLACP000000022466	chromosome 14 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:19849]	C14orf39
ENSLACG00000015300	ENSLACP00000017370	chromosome 14 open reading frame 93 [Source:HGNC Symbol;Acc:HGNC:20162]	C14orf93
ENSLACG00000014275	ENSLACP00000016204	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:27568]	C17orf58
ENSLACG00000018282	ENSLACP00000020812	chromosome 17 open reading frame 78 [Source:HGNC Symbol;Acc:HGNC:26831]	C17orf78
ENSLACG00000000713	ENSLACP00000000794	chromosome 17 open reading frame 98 [Source:HGNC Symbol;Acc:HGNC:34492]	C17orf98
ENSLACG000000022686	ENSLACP000000023322	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSLACG00000009645	ENSLACP00000010963	chromosome 19 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:34495]	C19orf68
ENSLACG000000022616	ENSLACP000000023634	chromosome 19 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34496]	C19orf71
ENSLACG00000006300	ENSLACP00000007101	chromosome 19 open reading frame 81 [Source:HGNC Symbol;Acc:HGNC:40041]	C19orf81
ENSLACG000000022451	ENSLACP000000022230	chromosome 2 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:27418]	C2orf72
ENSLACG00000003405	ENSLACP00000003822	chromosome 2 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:26861]	C2orf73
ENSLACG00000007305	ENSLACP00000008255	chromosome 20 open reading frame 195 [Source:HGNC Symbol;Acc:HGNC:28764]	C20orf195
ENSLACG000000022449	ENSLACP000000023089	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSLACG00000009060	ENSLACP00000010286	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]	C21orf62
ENSLACG000000022499	ENSLACP000000022480	chromosome 3 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:24771]	C3orf62
ENSLACG000000022611	ENSLACP000000022043	chromosome 3 open reading frame 84 [Source:HGNC Symbol;Acc:HGNC:44666]	C3orf84
ENSLACG00000004418	ENSLACP000000021906	chromosome 6 open reading frame 118 [Source:HGNC Symbol;Acc:HGNC:21233]	C6orf118
ENSLACG000000022518	ENSLACP000000022568	chromosome 6 open reading frame 163 [Source:HGNC Symbol;Acc:HGNC:21403]	C6orf163
ENSLACG000000022545	ENSLACP000000022807	chromosome 6 open reading frame 201 [Source:HGNC Symbol;Acc:HGNC:21620]	C6orf201
ENSLACG00000007628	ENSLACP00000008631	chromosome 6 open reading frame 229 [Source:HGNC Symbol;Acc:HGNC:49394]	C6orf229
ENSLACG00000013706	ENSLACP00000015569	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:22564]	C7orf72
ENSLACG000000022662	ENSLACP000000022605	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSLACG00000013319	ENSLACP00000015132	chromosome 8 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:26345]	C8orf48
ENSLACG000000022490	ENSLACP000000021947	chromosome 9 open reading frame 135 [Source:HGNC Symbol;Acc:HGNC:31422]	C9orf135
ENSLACG00000016820	ENSLACP00000019118	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:31009]	C9orf69
ENSLACG00000009679	ENSLACP00000010999	chromosome X open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:25667]	CXorf21
ENSLACG00000008780	ENSLACP00000009964	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSLACG00000006858	ENSLACP00000007744	chromosome X open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:27298]	CXorf30
ENSLACG000000022581	ENSLACP000000022760	ciliary neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:2169]	CNTF
ENSLACG00000008740	ENSLACP00000009915	c-Maf inducing protein [Source:ZFIN;Acc:ZDB-GENE-050419-50]	cmip
ENSLACG00000000852	ENSLACP00000000954	coiled-coil domain containing 110 [Source:HGNC Symbol;Acc:HGNC:28504]	CCDC110
ENSLACG00000011100	ENSLACP00000012600	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSLACG00000008677	ENSLACP00000009841	coiled-coil domain containing 122 [Source:HGNC Symbol;Acc:HGNC:26478]	CCDC122
ENSLACG00000000846	ENSLACP00000000947	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGNC:26531]	CCDC138
ENSLACG00000012503	ENSLACP00000014200	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148

ENSLACG00000003751	ENSLACP00000004217	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSLACG000000022418	ENSLACP000000023592	coiled-coil domain containing 154 [Source:HGNC Symbol;Acc:HGNC:34454]	CCDC154
ENSLACG000000022432	ENSLACP000000022354	coiled-coil domain containing 158 [Source:HGNC Symbol;Acc:HGNC:26374]	CCDC158
ENSLACG000000015157	ENSLACP000000017207	coiled-coil domain containing 166 [Source:HGNC Symbol;Acc:HGNC:41910]	CCDC166
ENSLACG000000019080	ENSLACP000000021980	coiled-coil domain containing 27 [Source:HGNC Symbol;Acc:HGNC:26546]	CCDC27
ENSLACG000000013862	ENSLACP000000015739	coiled-coil domain containing 60 [Source:HGNC Symbol;Acc:HGNC:28610]	CCDC60
ENSLACG000000012549	ENSLACP000000014256	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]	CCDC81
ENSLACG00000008043	ENSLACP00000009112	coiled-coil domain containing 91 [Source:HGNC Symbol;Acc:HGNC:24855]	CCDC91
ENSLACG000000018886	ENSLACP000000021492	coiled-coil-helix-coiled-coil-helix domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21645]	CHCHD2
ENSLACG000000022396	ENSLACP000000023522	collagen, type IX, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2217]	COL9A1
ENSLACG000000018066	ENSLACP000000020556	collagen, type XXVI, alpha 1 [Source:HGNC Symbol;Acc:HGNC:18038]	COL26A1
ENSLACG000000014917	ENSLACP000000016938	colony stimulating factor 3 (granulocyte) [Source:HGNC Symbol;Acc:HGNC:2438]	CSF3
ENSLACG00000000951	ENSLACP00000001062	colorectal cancer associated 2 [Source:HGNC Symbol;Acc:HGNC:26978]	COLCA2
ENSLACG000000016104	ENSLACP000000018281	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMD10
ENSLACG00000004067	ENSLACP00000004569	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437]	CCNB1IP1
ENSLACG000000014020	ENSLACP000000015921	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSLACG000000015215	ENSLACP000000017274	cysteine/tyrosine-rich 1 [Source:HGNC Symbol;Acc:HGNC:16274]	CYR1
ENSLACG000000010073	ENSLACP000000011450	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CR1PT
ENSLACG000000018813	ENSLACP000000021411	cytoskeleton associated protein 5 [Source:ZFIN;Acc:ZDB-GENE-051120-174]	ckap5
ENSLACG000000018860	ENSLACP000000021463	DNA-damage-inducible transcript 3 [Source:HGNC Symbol;Acc:HGNC:2726]	DDIT3
ENSLACG000000013512	ENSLACP000000022173	doublecortin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20625]	DCDC1
ENSLACG000000007022	ENSLACP00000007934	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DNCONSON
ENSLACG000000016228	ENSLACP000000018426	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENSLACG000000005604	ENSLACP000000006315	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSLACG000000000448	ENSLACP000000000503	E2F transcription factor 7 [Source:ZFIN;Acc:ZDB-GENE-030131-3527]	e2f7
ENSLACG000000013572	ENSLACP000000015417	EF-hand calcium binding domain 12 [Source:HGNC Symbol;Acc:HGNC:28061]	EFCAB12
ENSLACG000000014039	ENSLACP000000015942	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSLACG000000014844	ENSLACP000000016852	EF-hand calcium binding domain 5 [Source:HGNC Symbol;Acc:HGNC:24801]	EFCAB5
ENSLACG000000009380	ENSLACP000000023589	EF-hand calcium binding domain 9 [Source:HGNC Symbol;Acc:HGNC:34530]	EFCAB9
ENSLACG000000006333	ENSLACP00000007138	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSLACG000000016911	ENSLACP000000019227	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSLACG000000010686	ENSLACP000000012139	endoplasmic reticulum protein 29 [Source:HGNC Symbol;Acc:HGNC:13799]	ERP29
ENSLACG000000009049	ENSLACP000000010272	ER membrane-associated RNA degradation [Source:HGNC Symbol;Acc:HGNC:21056]	ERMARD
ENSLACG000000017822	ENSLACP000000020276	family with sequence similarity 103, member A1 [Source:HGNC Symbol;Acc:HGNC:31022]	FAM103A1
ENSLACG000000009616	ENSLACP000000010928	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSLACG000000002583	ENSLACP000000020890	family with sequence similarity 159, member B [Source:HGNC Symbol;Acc:HGNC:34236]	FAM159B
ENSLACG000000007856	ENSLACP000000008894	family with sequence similarity 174, member A [Source:HGNC Symbol;Acc:HGNC:24943]	FAM174A
ENSLACG000000003775	ENSLACP000000004241	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSLACG000000013162	ENSLACP000000014954	family with sequence similarity 220, member A [Source:HGNC Symbol;Acc:HGNC:22422]	FAM220A
ENSLACG000000022099	ENSLACP000000022671	family with sequence similarity 227, member A [Source:HGNC Symbol;Acc:HGNC:44197]	FAM227A
ENSLACG000000022514	ENSLACP000000022137	family with sequence similarity 227, member B [Source:HGNC Symbol;Acc:HGNC:26543]	FAM227B
ENSLACG000000018658	ENSLACP000000012137	family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483]	FAM64A
ENSLACG000000018101	ENSLACP000000020598	FANCD2 opposite strand [Source:HGNC Symbol;Acc:HGNC:28623]	FANCD2OS
ENSLACG000000018763	ENSLACP000000021353	F-box protein 39 [Source:HGNC Symbol;Acc:HGNC:28565]	FBXO39
ENSLACG000000001785	ENSLACP00000001996	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBXO47
ENSLACG000000007823	ENSLACP000000008857	fibrinogen silencer binding protein [Source:HGNC Symbol;Acc:HGNC:43653]	FSBP
ENSLACG000000014861	ENSLACP000000016872	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDP9
ENSLACG000000018449	ENSLACP000000020998	fibrous sheath interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:21674]	FSIP1
ENSLACG000000006864	ENSLACP000000007749	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSLACG000000016336	ENSLACP000000018554	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSLACG000000014016	ENSLACP000000015917	ghrelin/obestatin prepropeptide [Source:HGNC Symbol;Acc:HGNC:18129]	GHRL
ENSLACG000000011386	ENSLACP000000012929	glutamate-rich 1 [Source:HGNC Symbol;Acc:HGNC:27234]	ERIC1
ENSLACG000000007643	ENSLACP000000008647	glutamate-rich 6B [Source:HGNC Symbol;Acc:HGNC:26523]	ERIC6B
ENSLACG000000016488	ENSLACP000000018729	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	QRICH2
ENSLACG000000016897	ENSLACP000000019208	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:HGNC Symbol;Acc:HGNC:4419]	GNRH1
ENSLACG000000006285	ENSLACP000000007084	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSLACG000000008680	ENSLACP000000009845	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSLACG000000003243	ENSLACP000000003640	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	HS1BP3
ENSLACG000000022644	ENSLACP000000021977	HEAT repeat containing 9 [Source:HGNC Symbol;Acc:HGNC:26548]	HEATR9
ENSLACG000000022552	ENSLACP000000022322	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSLACG000000003670	ENSLACP000000004128	idnK, gluconokinase homolog (E. coli) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSLACG000000022257	ENSLACP000000023629	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides [Source:HGNC Symbol;Acc:HGNC:5713]	IGJ
ENSLACG000000000016	ENSLACP000000000019	INO80 complex subunit E [Source:HGNC Symbol;Acc:HGNC:26905]	INO80E
ENSLACG000000000593	ENSLACP000000000665	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSLACG000000022377	ENSLACP000000023166	integrin beta 3 binding protein (beta3-endonexin) [Source:HGNC Symbol;Acc:HGNC:6157]	ITGB3BP
ENSLACG000000009397	ENSLACP000000010668	integrin-binding sialoprotein [Source:HGNC Symbol;Acc:HGNC:5341]	IBSP
ENSLACG000000022302	ENSLACP000000021930	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	IL18
ENSLACG000000004564	ENSLACP000000005135	interleukin 22 [Source:HGNC Symbol;Acc:HGNC:14900]	IL22
ENSLACG000000008559	ENSLACP000000009707	interleukin 23 receptor [Source:ZFIN;Acc:ZDB-GENE-080107-5]	il23r
ENSLACG000000008220	ENSLACP000000009318	interleukin 6 [Source:HGNC Symbol;Acc:HGNC:6018]	IL6
ENSLACG000000013503	ENSLACP000000015338	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSLACG000000022138	ENSLACP000000023596	izumo sperm-egg fusion 1 [Source:HGNC Symbol;Acc:HGNC:28539]	IZUMO1
ENSLACG000000022329	ENSLACP000000023067	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]	KIAA0040
ENSLACG000000015625	ENSLACP000000017740	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101
ENSLACG000000003493	ENSLACP000000003924	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSLACG000000018203	ENSLACP000000020716	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSLACG000000010336	ENSLACP000000011741	leukocyte receptor cluster (LRC) member 1 [Source:HGNC Symbol;Acc:HGNC:15502]	LENG1
ENSLACG000000003415	ENSLACP000000003837	LKAAEAR motif containing 1 [Source:HGNC Symbol;Acc:HGNC:33718]	LKAAEAR1

ENSLACG0000005972	ENSLACP0000006733	lysosomal-associated membrane protein family, member 5 [Source:HGNC Symbol;Acc:HGNC:16097]	LAMP5
ENSLACG0000008630	ENSLACP00000023276	maelstrom spermatogenic transposon silencer [Source:HGNC Symbol;Acc:HGNC:25929]	MAEL
ENSLACG0000006830	ENSLACP00000007710	major facilitator superfamily domain containing 7 [Source:HGNC Symbol;Acc:HGNC:26177]	MFSD7
ENSLACG0000000500	ENSLACP00000000561	male-specific lethal 3 homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:7370]	MSL3
ENSLACG0000004860	ENSLACP00000005463	MANSC domain containing 4 [Source:HGNC Symbol;Acc:HGNC:40023]	MANSC4
ENSLACG00000022207	ENSLACP00000023282	marginal zone B and B1 cell-specific protein [Source:HGNC Symbol;Acc:HGNC:30125]	MZB1
ENSLACG00000013569	ENSLACP00000023127	mastermind-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2568]	MAMLD1
ENSLACG00000000304	ENSLACP00000000336	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSLACG00000000051	ENSLACP00000000058	Metallothionein [Source:UniProtKB/TrEMBL;Acc:H2ZRN7]	
ENSLACG00000013513	ENSLACP00000015348	methyl-CpG binding domain protein 4 [Source:HGNC Symbol;Acc:HGNC:6919]	MBD4
ENSLACG00000017321	ENSLACP00000019699	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSLACG00000022672	ENSLACP00000022902	mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:HGNC:14487]	MRPL33
ENSLACG00000003598	ENSLACP00000004041	mitochondrial ribosomal protein L50 [Source:HGNC Symbol;Acc:HGNC:16654]	MRPL50
ENSLACG00000004111	ENSLACP000000004618	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSLACG00000000418	ENSLACP00000000470	mucin 16, cell surface associated [Source:HGNC Symbol;Acc:HGNC:15582]	MUC16
ENSLACG00000007729	ENSLACP00000008744	Myb/SANT-like DNA-binding domain containing 3 [Source:HGNC Symbol;Acc:HGNC:23370]	MSANTD3
ENSLACG00000015014	ENSLACP00000017045	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUFB4
ENSLACG00000012551	ENSLACP00000014259	NLR family, CARD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:16412]	NLRCA
ENSLACG0000004081	ENSLACP0000004584	Nmra-like family domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24987]	NMRAL1
ENSLACG00000014183	ENSLACP00000016103	novel gene	
ENSLACG00000000003	ENSLACP00000000004	novel gene	
ENSLACG00000000112	ENSLACP00000000127	novel gene	
ENSLACG00000000801	ENSLACP00000000889	novel gene	
ENSLACG00000001380	ENSLACP00000001543	novel gene	
ENSLACG00000002244	ENSLACP00000002514	novel gene	
ENSLACG00000003832	ENSLACP00000004307	novel gene	
ENSLACG00000005372	ENSLACP00000006051	novel gene	
ENSLACG00000005434	ENSLACP00000006124	novel gene	
ENSLACG00000007667	ENSLACP00000008673	novel gene	
ENSLACG00000009142	ENSLACP00000010380	novel gene	
ENSLACG00000013304	ENSLACP00000015116	novel gene	
ENSLACG00000013310	ENSLACP00000015122	novel gene	
ENSLACG00000016363	ENSLACP00000018582	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSLACG00000003381	ENSLACP00000003794	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSLACG00000005445	ENSLACP00000006140	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSLACG00000017457	ENSLACP00000019856	phosphatidylinositol glycan anchor biosynthesis, class Z [Source:HGNC Symbol;Acc:HGNC:30596]	PIGZ
ENSLACG00000022256	ENSLACP00000022027	phosphoserine-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSLACG00000011197	ENSLACP00000012713	PILR alpha associated neural protein [Source:HGNC Symbol;Acc:HGNC:25338]	PIANP
ENSLACG00000011059	ENSLACP00000012552	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSLACG00000004410	ENSLACP00000004959	potassium voltage-gated channel, Isk-related family, member 3 [Source:HGNC Symbol;Acc:HGNC:6243]	CNCE3
ENSLACG00000015712	ENSLACP00000017837	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSLACG00000017020	ENSLACP00000019350	proline rich 15 [Source:HGNC Symbol;Acc:HGNC:22310]	PRR15
ENSLACG00000003447	ENSLACP00000003870	proline-rich nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:HGNC:17278]	PNRC1
ENSLACG00000022105	ENSLACP00000021992	protein phosphatase 1, regulatory subunit 17 [Source:HGNC Symbol;Acc:HGNC:16973]	PPP1R17
ENSLACG00000018406	ENSLACP00000020949	protein phosphatase 1, regulatory subunit 26 [Source:HGNC Symbol;Acc:HGNC:29089]	PPP1R26
ENSLACG00000022594	ENSLACP00000023055	protein phosphatase 1, regulatory subunit 36 [Source:HGNC Symbol;Acc:HGNC:20097]	PPP1R36
ENSLACG00000000192	ENSLACP00000000212	RAB15 effector protein [Source:HGNC Symbol;Acc:HGNC:33748]	REP15
ENSLACG00000009613	ENSLACP00000010925	RBP1 interacting and tubulin associated 1 [Source:HGNC Symbol;Acc:HGNC:25925]	RITA1
ENSLACG00000015158	ENSLACP00000017208	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSLACG00000001657	ENSLACP00000001858	regulator of G-protein signaling like 1 [Source:HGNC Symbol;Acc:HGNC:18636]	RGLS1
ENSLACG00000016622	ENSLACP00000018889	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSLACG00000004213	ENSLACP00000004740	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSLACG00000006916	ENSLACP00000007809	ring finger protein 32 [Source:ZFIN;Acc:ZDB-GENE-061013-39]	rfn32
ENSLACG00000008690	ENSLACP00000009855	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWDD3
ENSLACG00000015526	ENSLACP00000017628	S100P binding protein [Source:HGNC Symbol;Acc:HGNC:25768]	S100PBP
ENSLACG00000014475	ENSLACP00000016429	schlafen-like 1 [Source:HGNC Symbol;Acc:HGNC:26313]	SLFN1
ENSLACG00000022501	ENSLACP00000023267	secreted phosphoprotein 2, 24kDa [Source:HGNC Symbol;Acc:HGNC:11256]	SPP2
ENSLACG00000008008	ENSLACP00000009072	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HGNC:26729]	SRRM3
ENSLACG00000012146	ENSLACP00000013798	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSLACG00000018821	ENSLACP00000021421	shisa family member 5 [Source:HGNC Symbol;Acc:HGNC:30376]	SHISA5
ENSLACG00000008125	ENSLACP00000009204	si:dky-92i15.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8422]	si:dky-92i15.4
ENSLACG00000022094	ENSLACP00000023141	small integral membrane protein 1 (Vel blood group) [Source:HGNC Symbol;Acc:HGNC:44204]	SMIM1
ENSLACG00000005843	ENSLACP00000006592	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSLACG00000006621	ENSLACP00000007470	sperm acrosome associated 1 [Source:HGNC Symbol;Acc:HGNC:14967]	SPACA1
ENSLACG00000022203	ENSLACP00000022471	spermatogenesis and centriole associated 1-like [Source:HGNC Symbol;Acc:HGNC:1298]	SPATC1L
ENSLACG00000011958	ENSLACP00000013583	spermatogenesis associated 16 [Source:HGNC Symbol;Acc:HGNC:29935]	SPATA16
ENSLACG00000022096	ENSLACP00000023423	spermatogenesis associated 22 [Source:HGNC Symbol;Acc:HGNC:30705]	SPATA22
ENSLACG00000009904	ENSLACP00000011258	spermatogenesis associated 24 [Source:HGNC Symbol;Acc:HGNC:27322]	SPATA24
ENSLACG00000011126	ENSLACP00000012629	spermatogenesis associated 4 [Source:HGNC Symbol;Acc:HGNC:17333]	SPATA4
ENSLACG00000016452	ENSLACP00000018686	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSLACG00000014323	ENSLACP00000016257	sterile alpha motif domain containing 15 [Source:HGNC Symbol;Acc:HGNC:18631]	SAMD15
ENSLACG00000005769	ENSLACP00000006509	stimulator of chondrogenesis 1 [Source:HGNC Symbol;Acc:HGNC:17036]	SCRG1
ENSLACG00000009241	ENSLACP00000010491	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSLACG00000000317	ENSLACP00000000351	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZSIO]	
ENSLACG00000000429	ENSLACP00000000481	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZSW0]	
ENSLACG00000000459	ENSLACP00000000519	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZS28]	
ENSLACG00000002046	ENSLACP00000002291	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZY20]	
ENSLACG00000002071	ENSLACP00000002319	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZY48]	
ENSLACG00000002144	ENSLACP00000002399	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZYC8]	

ENSLACG00000002255	ENSLACP00000002525	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZYQ4]	
ENSLACG00000002847	ENSLACP00000003188	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A0L7]	
ENSLACG00000003104	ENSLACP00000003480	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A1F9]	
ENSLACG00000003395	ENSLACP00000003810	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A2D9]	
ENSLACG00000003562	ENSLACP00000004000	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A2X9]	
ENSLACG00000003692	ENSLACP00000004151	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3D0]	
ENSLACG00000003761	ENSLACP00000004227	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3K6]	
ENSLACG00000003809	ENSLACP00000004280	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3Q9]	
ENSLACG00000004428	ENSLACP00000004980	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A5Q9]	
ENSLACG00000004770	ENSLACP00000005366	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A6U5]	
ENSLACG00000005178	ENSLACP00000005830	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A859]	
ENSLACG00000005213	ENSLACP00000005870	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A899]	
ENSLACG00000006135	ENSLACP00000006911	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A890]	
ENSLACG00000007023	ENSLACP00000007935	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3AE64]	
ENSLACG00000007306	ENSLACP00000008256	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3AF35]	
ENSLACG00000016662	ENSLACP00000018940	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa [Source:HGNC Symbol;Acc:HGNC:28759]	TAFF1D
ENSLACG00000007951	ENSLACP00000009005	testis and ovary specific PAZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24746]	TOPAZ1
ENSLACG00000009855	ENSLACP00000011202	testis development related protein [Source:HGNC Symbol;Acc:HGNC:26951]	TRDP
ENSLACG00000022289	ENSLACP00000023181	testis expressed 12 [Source:HGNC Symbol;Acc:HGNC:11734]	TEX12
ENSLACG00000000650	ENSLACP00000000725	testis expressed 33 [Source:HGNC Symbol;Acc:HGNC:28568]	TEX33
ENSLACG00000022459	ENSLACP00000022231	testis specific, 13 [Source:HGNC Symbol;Acc:HGNC:12369]	TSGA13
ENSLACG00000022491	ENSLACP00000023229	testis, prostate and placenta expressed [Source:HGNC Symbol;Acc:HGNC:33745]	TEPP
ENSLACG00000006689	ENSLACP00000007546	tetraspanin 32 [Source:HGNC Symbol;Acc:HGNC:13410]	TSPAN32
ENSLACG00000005908	ENSLACP00000006661	tetratricopeptide repeat and ankyrin repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:29011]	TRANK1
ENSLACG00000014288	ENSLACP00000016218	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSLACG00000000797	ENSLACP00000000885	three prime repair exonuclease 2 [Source:HGNC Symbol;Acc:HGNC:12270]	TREX2
ENSLACG00000022335	ENSLACP00000023452	Thy-1 cell surface antigen [Source:HGNC Symbol;Acc:HGNC:11801]	THY1
ENSLACG00000012812	ENSLACP00000014557	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	THYP
ENSLACG00000012827	ENSLACP00000014573	tigger transposable element derived 3 [Source:HGNC Symbol;Acc:HGNC:18334]	TIGD3
ENSLACG00000001352	ENSLACP00000001513	tigger transposable element derived 4 [Source:HGNC Symbol;Acc:HGNC:18335]	TIGD4
ENSLACG00000016193	ENSLACP00000018386	tigger transposable element derived 7 [Source:HGNC Symbol;Acc:HGNC:18331]	TIGD7
ENSLACG00000017262	ENSLACP00000019629	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSLACG00000008223	ENSLACP00000009321	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPP2L
ENSLACG00000016963	ENSLACP00000019283	transcription factor-like 5 (basic helix-loop-helix) [Source:HGNC Symbol;Acc:HGNC:11646]	TCFL5
ENSLACG00000009342	ENSLACP00000010605	trans-golgi network protein 2 [Source:HGNC Symbol;Acc:HGNC:15450]	TGOLN2
ENSLACG00000001897	ENSLACP00000002121	transmembrane protein 143 [Source:HGNC Symbol;Acc:HGNC:25603]	TMEM143
ENSLACG00000011031	ENSLACP00000012519	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	TMEM159
ENSLACG00000011416	ENSLACP00000012962	transmembrane protein 167A [Source:HGNC Symbol;Acc:HGNC:28330]	TMEM167A
ENSLACG00000009377	ENSLACP00000010645	transmembrane protein 171 [Source:HGNC Symbol;Acc:HGNC:27031]	TMEM171
ENSLACG00000007107	ENSLACP00000008031	transmembrane protein 215 [Source:HGNC Symbol;Acc:HGNC:33816]	TMEM215
ENSLACG00000016867	ENSLACP00000019174	transmembrane protein 217 [Source:HGNC Symbol;Acc:HGNC:21238]	TMEM217
ENSLACG00000022330	ENSLACP00000023225	transmembrane protein 249 [Source:HGNC Symbol;Acc:HGNC:44155]	TMEM249
ENSLACG00000022133	ENSLACP00000022345	transmembrane protein 252 [Source:HGNC Symbol;Acc:HGNC:28537]	TMEM252
ENSLACG00000019128	ENSLACP00000021766	transmembrane protein 52 [Source:HGNC Symbol;Acc:HGNC:27916]	TMEM52
ENSLACG00000009053	ENSLACP00000010277	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSLACG00000022440	ENSLACP00000022347	transmembrane protein 95 [Source:HGNC Symbol;Acc:HGNC:27898]	TMEM95
ENSLACG00000014771	ENSLACP00000016766	tudor domain containing 10 [Source:HGNC Symbol;Acc:HGNC:25316]	TDRD10
ENSLACG00000015727	ENSLACP00000017853	UBA-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29576]	UBALD1
ENSLACG00000003249	ENSLACP00000003647	ubiquinol-cytochrome c reductase, complex III subunit X [Source:HGNC Symbol;Acc:HGNC:30863]	UQCRL0
ENSLACG00000015288	ENSLACP00000017357	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSLACG00000002374	ENSLACP00000002653	unc-51-like kinase 4 (C. elegans) [Source:ZFIN;Acc:ZDB-GENE-100922-243]	ulk4
ENSLACG00000000008	ENSLACP00000000009	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR17]	ENSLACG00000000008
ENSLACG00000000039	ENSLACP00000000045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRM4]	ENSLACG00000000039
ENSLACG00000000068	ENSLACP00000000078	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR07]	ENSLACG00000000068
ENSLACG00000000073	ENSLACP00000000084	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRR3]	ENSLACG00000000073
ENSLACG00000000090	ENSLACP00000000103	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRT2]	ENSLACG00000000090
ENSLACG00000000097	ENSLACP00000000110	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRT9]	ENSLACG00000000097
ENSLACG00000000142	ENSLACP00000000159	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRY8]	ENSLACG00000000142
ENSLACG00000000144	ENSLACP00000000161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR20]	ENSLACG00000000144
ENSLACG00000000152	ENSLACP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR28]	ENSLACG00000000152
ENSLACG00000000153	ENSLACP00000000170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR29]	ENSLACG00000000153
ENSLACG00000000176	ENSLACP00000000195	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS24]	ENSLACG00000000176
ENSLACG00000000181	ENSLACP00000000200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS29]	ENSLACG00000000181
ENSLACG00000000196	ENSLACP00000000217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS46]	ENSLACG00000000196
ENSLACG00000000200	ENSLACP00000000221	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS50]	ENSLACG00000000200
ENSLACG00000000215	ENSLACP00000000238	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS67]	ENSLACG00000000215
ENSLACG00000000253	ENSLACP00000000283	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS82]	ENSLACG00000000253
ENSLACG00000000321	ENSLACP00000000355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS14]	ENSLACG00000000321
ENSLACG00000000326	ENSLACP00000000360	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS19]	ENSLACG00000000326
ENSLACG00000000329	ENSLACP00000000364	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS13]	ENSLACG00000000329
ENSLACG00000000379	ENSLACP00000000423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS21]	ENSLACG00000000379
ENSLACG00000000387	ENSLACP00000000432	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS8Q]	ENSLACG00000000387
ENSLACG00000000404	ENSLACP00000000451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS59]	ENSLACG00000000404
ENSLACG00000000450	ENSLACP00000000505	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS44]	ENSLACG00000000450
ENSLACG00000000469	ENSLACP00000000530	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT09]	ENSLACG00000000469
ENSLACG00000000495	ENSLACP00000000556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT35]	ENSLACG00000000495
ENSLACG00000000496	ENSLACP00000000557	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT36]	ENSLACG00000000496
ENSLACG00000000508	ENSLACP00000000573	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT52]	ENSLACG00000000508
ENSLACG00000000554	ENSLACP00000000622	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTA1]	ENSLACG00000000554

ENSLACG00000017852	ENSLACP00000020316	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BEJ5]	ENSLACG00000017852
ENSLACG00000017932	ENSLACP00000020404	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BET3]	ENSLACG00000017932
ENSLACG00000017986	ENSLACP00000020464	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BEZ3]	ENSLACG00000017986
ENSLACG00000018010	ENSLACP00000020491	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BF20]	ENSLACG00000018010
ENSLACG00000018012	ENSLACP00000020493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BF22]	ENSLACG00000018012
ENSLACG00000018027	ENSLACP00000020513	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BF41]	ENSLACG00000018027
ENSLACG00000018110	ENSLACP00000020608	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFD7]	ENSLACG00000018110
ENSLACG00000018123	ENSLACP00000020624	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFF3]	ENSLACG00000018123
ENSLACG00000018144	ENSLACP00000020649	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFH8]	ENSLACG00000018144
ENSLACG00000018160	ENSLACP00000020669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFJ8]	ENSLACG00000018160
ENSLACG00000018195	ENSLACP00000020707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFN6]	ENSLACG00000018195
ENSLACG00000018218	ENSLACP00000020734	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFR3]	ENSLACG00000018218
ENSLACG00000018260	ENSLACP00000020787	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFW6]	ENSLACG00000018260
ENSLACG00000018284	ENSLACP00000020814	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BFZ3]	ENSLACG00000018284
ENSLACG00000018303	ENSLACP00000020834	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BG13]	ENSLACG00000018303
ENSLACG00000018345	ENSLACP00000020880	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BG59]	ENSLACG00000018345
ENSLACG00000018564	ENSLACP00000021131	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BGW0]	ENSLACG00000018564
ENSLACG00000018565	ENSLACP00000021132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BGW1]	ENSLACG00000018565
ENSLACG00000018646	ENSLACP00000021224	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BH53]	ENSLACG00000018646
ENSLACG00000018654	ENSLACP00000021232	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BH61]	ENSLACG00000018654
ENSLACG00000018660	ENSLACP00000021239	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BH68]	ENSLACG00000018660
ENSLACG00000018663	ENSLACP00000021242	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BH71]	ENSLACG00000018663
ENSLACG00000018669	ENSLACP00000021248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BH77]	ENSLACG00000018669
ENSLACG00000018748	ENSLACP00000021337	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BHG6]	ENSLACG00000018748
ENSLACG00000018862	ENSLACP00000021465	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BHU4]	ENSLACG00000018862
ENSLACG00000019018	ENSLACP00000021645	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIC4]	ENSLACG00000019018
ENSLACG00000019076	ENSLACP00000021710	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BII9]	ENSLACG00000019076
ENSLACG00000019077	ENSLACP00000021711	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIJ0]	ENSLACG00000019077
ENSLACG00000019132	ENSLACP00000021770	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIP9]	ENSLACG00000019132
ENSLACG00000019145	ENSLACP00000021785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIR4]	ENSLACG00000019145
ENSLACG00000022387	ENSLACP00000021844	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XG18]	ENSLACG00000022387
ENSLACG00000022141	ENSLACP00000021852	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XG16]	ENSLACG00000022141
ENSLACG00000022469	ENSLACP00000021874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XG18]	ENSLACG00000022469
ENSLACG00000022297	ENSLACP00000021924	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XGR8]	ENSLACG00000022297
ENSLACG00000022573	ENSLACP00000021952	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XGU6]	ENSLACG00000022573
ENSLACG00000022626	ENSLACP00000022170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XHG4]	ENSLACG00000022626
ENSLACG00000022666	ENSLACP00000022248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XHP2]	ENSLACG00000022666
ENSLACG00000022463	ENSLACP00000022255	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XHP9]	ENSLACG00000022463
ENSLACG00000022350	ENSLACP00000022477	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XIC1]	ENSLACG00000022350
ENSLACG00000022142	ENSLACP00000022756	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJ50]	ENSLACG00000022142
ENSLACG00000022477	ENSLACP00000022840	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJD4]	ENSLACG00000022477
ENSLACG00000022558	ENSLACP00000022872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJG6]	ENSLACG00000022558
ENSLACG00000022216	ENSLACP00000022919	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJL3]	ENSLACG00000022216
ENSLACG00000022530	ENSLACP00000022926	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJM0]	ENSLACG00000022530
ENSLACG00000022503	ENSLACP00000022959	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJQ3]	ENSLACG00000022503
ENSLACG00000022359	ENSLACP00000023159	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKA3]	ENSLACG00000022359
ENSLACG00000022612	ENSLACP00000023289	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKN3]	ENSLACG00000022612
ENSLACG00000022365	ENSLACP00000023360	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKV4]	ENSLACG00000022365
ENSLACG00000022186	ENSLACP00000023394	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKY8]	ENSLACG00000022186
ENSLACG00000022136	ENSLACP00000023421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XL15]	ENSLACG00000022136
ENSLACG00000022668	ENSLACP00000023475	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XL69]	ENSLACG00000022668
ENSLACG00000022355	ENSLACP00000023494	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XL88]	ENSLACG00000022355
ENSLACG00000022140	ENSLACP00000023585	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XLH9]	ENSLACG00000022140
ENSLACG00000022653	ENSLACP00000023649	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XLP3]	ENSLACG00000022653
ENSLACG00000000322	ENSLACP00000000356	WD repeat domain 65	[Source:HGNC Symbol;Acc:HGNC:26485]	WDR65
ENSLACG00000018823	ENSLACP00000021423	WD repeat domain 87	[Source:HGNC Symbol;Acc:HGNC:29934]	WDR87
ENSLACG00000013762	ENSLACP00000015634	zgc:113274	[Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSLACG00000000019	ENSLACP00000000025	zgc:152791	[Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSLACG00000002902	ENSLACP00000003245	zinc finger protein 474	[Source:HGNC Symbol;Acc:HGNC:23245]	ZNF474
ENSLACG00000011848	ENSLACP00000013460	zinc finger protein 830	[Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSLACG00000012632	ENSLACP00000014352	zinc finger, CCHC domain containing 7	[Source:HGNC Symbol;Acc:HGNC:26209]	ZCCHC7
ENSLACG00000001646	ENSLACP00000001844	zinc finger, DBF-type containing 2	[Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSLACG00000007167	ENSLACP00000008096	zinc finger, MYND-type containing 15	[Source:HGNC Symbol;Acc:HGNC:20997]	ZMYND15
ENSLACG000000018716	ENSLACP000000021298	zinc finger, SWIM-type containing 1	[Source:HGNC Symbol;Acc:HGNC:16155]	ZSWIM1
ENSLACG00000018710	ENSLACP000000021291	zinc finger, SWIM-type containing 3	[Source:HGNC Symbol;Acc:HGNC:16157]	ZSWIM3
ENSLACG00000014567	ENSLACP00000016531	ZMYM6 neighbor	[Source:HGNC Symbol;Acc:HGNC:40021]	ZMYM6NB
ENSLACG00000012523	ENSLACP00000023069	zona pellucida binding protein 2	[Source:HGNC Symbol;Acc:HGNC:20678]	ZPBP2

Supplemental table 17. Medaka specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSORLG00000006668	ENSORLP00000008368	adrenomedullin 5 precursor [Source:RefSeq peptide;Acc:NP_001098363]	AM5
ENSORLG00000013428	ENSORLP00000016839	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSORLG00000020556	ENSORLP00000025465	ATR interacting protein [Source:ZFIN;Acc:ZDB-GENE-050208-331]	atrip
ENSORLG00000005559	ENSORLP00000006994	basic leucine zipper transcription factor, ATF-like 2 [Source:HGNC Symbol;Acc:HGNC:25163]	BATF2
ENSORLG00000007688	ENSORLP00000009630	chromosome 16 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:27558]	C16orf91
ENSORLG00000013950	ENSORLP00000017490	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSORLG00000011489	ENSORLP00000014389	chromosome 21 open reading frame 2 [Source:HGNC Symbol;Acc:HGNC:1260]	C21orf2
ENSORLG00000006058	ENSORLP00000007614	chromosome 3 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:40048]	C3orf80
ENSORLG00000007724	ENSORLP00000009672	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSORLG00000015431	ENSORLP00000019319	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSORLG00000004928	ENSORLP00000006203	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSORLG00000016751	ENSORLP00000020950	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSORLG00000007222	ENSORLP00000009057	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437]	CCNB1P1
ENSORLG00000003390	ENSORLP00000004212	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CD01
ENSORLG00000013735	ENSORLP00000017227	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSORLG00000002709	ENSORLP00000003378	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:27578]	CISD3
ENSORLG00000017543	ENSORLP000000021946	centriolin [Source:HGNC Symbol;Acc:HGNC:1858]	CNTRL
ENSORLG00000003421	ENSORLP00000004252	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMD10
ENSORLG00000014018	ENSORLP00000017572	cytochrome c oxidase subunit VIIb [Source:HGNC Symbol;Acc:HGNC:2291]	COX7B
ENSORLG00000004684	ENSORLP00000005897	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	CPQ
ENSORLG00000019254	ENSORLP00000023986	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSORLG00000018741	ENSORLP00000023411	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIP7
ENSORLG00000006215	ENSORLP00000007813	chitobiase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTBS
ENSORLG00000011830	ENSORLP00000014822	chromosome X open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:25667]	CXorf21
ENSORLG00000006407	ENSORLP00000008047	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSORLG00000007979	ENSORLP00000010009	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSORLG00000004125	ENSORLP00000005164	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	CTTN6
ENSORLG000000020700	ENSORLP000000025640	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSORLG00000017330	ENSORLP00000021676	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSORLG00000001763	ENSORLP00000002194	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSORLG00000006713	ENSORLP00000008428	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSORLG00000016712	ENSORLP00000020906	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSORLG00000016719	ENSORLP00000020913	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSORLG00000019467	ENSORLP00000024229	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:ZFIN;Acc:ZDB-GENE-030131-1091]	fah
ENSORLG00000003414	ENSORLP00000004242	family with sequence similarity 103, member A1 [Source:HGNC Symbol;Acc:HGNC:31022]	FAM103A1
ENSORLG00000010407	ENSORLP00000013037	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSORLG00000016797	ENSORLP00000021015	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSORLG00000015571	ENSORLP00000019493	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBOX47
ENSORLG00000015997	ENSORLP00000020203	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FBN3
ENSORLG00000009073	ENSORLP00000011377	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSORLG00000015551	ENSORLP00000019473	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSORLG00000011276	ENSORLP00000014131	gamma-glutamyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:26891]	GGT6
ENSORLG00000014247	ENSORLP00000017869	Oryzias latipes prepro-gonadotropin-releasing hormone (gnrh1), mRNA. [Source:RefSeq mRNA;Acc:NM_001104699]	GNRH1
ENSORLG00000016574	ENSORLP00000020748	G patch domain containing 2-like [Source:HGNC Symbol;Acc:HGNC:20210]	GPATCH2L
ENSORLG00000005805	ENSORLP00000007298	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSORLG00000007604	ENSORLP00000009529	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSORLG00000000083	ENSORLP00000000099	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSORLG00000015552	ENSORLP00000019475	IKKB interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBP1
ENSORLG00000017224	ENSORLP00000021553	Putative ISG12(1) protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6IEB2]	ISG12
ENSORLG00000014091	ENSORLP00000017669	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSORLG00000014346	ENSORLP00000017988	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101
ENSORLG00000013599	ENSORLP00000017059	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSORLG00000010234	ENSORLP00000012831	KIAA0825 [Source:HGNC Symbol;Acc:HGNC:28532]	KIAA0825
ENSORLG00000007550	ENSORLP00000009464	KIAA2026 [Source:HGNC Symbol;Acc:HGNC:23378]	KIAA2026
ENSORLG00000009575	ENSORLP00000012005	lysosomal-associated membrane protein family, member 5 [Source:HGNC Symbol;Acc:HGNC:16097]	LAMP5
ENSORLG00000009612	ENSORLP00000012052	Oryzias latipes leptin (lepa), mRNA. [Source:RefSeq mRNA;Acc:NM_001104720]	LEPA
ENSORLG00000002722	ENSORLP00000003394	leucine rich repeat containing 31 [Source:HGNC Symbol;Acc:HGNC:26261]	LRR31
ENSORLG00000001954	ENSORLP00000002431	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSORLG00000012773	ENSORLP00000015997	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSORLG00000001722	ENSORLP00000002138	multiciliate differentiation and DNA synthesis associated cell cycle protein [Source:HGNC Symbol;Acc:HGNC:40050]	MCIDAS
ENSORLG00000000784	ENSORLP00000000962	mediator of RNA polymerase II transcription, subunit 12 homolog [Source:ZFIN;Acc:ZDB-GENE-060125-1]	med12
ENSORLG00000003416	ENSORLP00000004247	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSORLG00000007559	ENSORLP00000009473	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MELAN
ENSORLG00000012090	ENSORLP00000015133	modulator of apoptosis 1 [Source:HGNC Symbol;Acc:HGNC:16658]	MOAP1
ENSORLG00000007259	ENSORLP00000009106	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSORLG00000015580	ENSORLP00000019508	Oryzias latipes metallothionein (LOC100049397), mRNA. [Source:RefSeq mRNA;Acc:NM_001104785]	MT
ENSORLG00000015440	ENSORLP00000019327	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSORLG00000007417	ENSORLP00000009295	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUF4B
ENSORLG00000012797	ENSORLP00000016023	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSORLG00000012728	ENSORLP00000015942	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSORLG00000018462	ENSORLP00000023097	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSORLG00000006190	ENSORLP00000007784	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSORLG00000006584	ENSORLP00000008264	Oryzias latipes opo protein (opo), mRNA. [Source:RefSeq mRNA;Acc:NM_001122920]	opo
ENSORLG00000014750	ENSORLP00000018483	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSORLG00000004335	ENSORLP00000005430	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSORLG00000010807	ENSORLP00000013554	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnr1

ENSORLG00000015236	ENSORLP00000019086	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSORLG00000010781	ENSORLP00000013521	protein phosphatase 1, regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	PPP1R15B
ENSORLG00000017191	ENSORLP00000021508	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSORLG00000009501	ENSORLP00000011911	phosphoseryl-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSORLG00000001635	ENSORLP0000002030	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPRT
ENSORLG00000001262	ENSORLP00000001553	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	QRICH2
ENSORLG00000015813	ENSORLP00000019805	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSORLG00000019330	ENSORLP00000024069	RAB15 effector protein [Source:HGNC Symbol;Acc:HGNC:33748]	REP15
ENSORLG00000002763	ENSORLP00000003450	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RG522
ENSORLG00000001144	ENSORLP00000001409	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSORLG00000005332	ENSORLP00000006723	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSORLG00000009596	ENSORLP00000012025	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSORLG00000007205	ENSORLP00000009039	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSORLG00000011997	ENSORLP00000015021	Oryzias latipes selenoprotein J (selj), mRNA. [Source:RefSeq mRNA;Acc:NM_001193492]	selj
ENSORLG00000003865	ENSORLP00000004823	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSORLG00000016489	ENSORLP00000020643	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSORLG00000009186	ENSORLP00000011521	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSORLG000000012253	ENSORLP00000015331	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSORLG00000017706	ENSORLP00000022159	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSORLG00000003335	ENSORLP00000004142	sid:key-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:key-10p5.7
ENSORLG00000013940	ENSORLP00000017477	si:key-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:key-57k2.6
ENSORLG00000002170	ENSORLP00000025024	si:keyp-70f9.7 [Source:ZFIN;Acc:ZDB-GENE-070705-50]	si:keyp-70f9.7
ENSORLG00000010841	ENSORLP00000013596	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	SIL1
ENSORLG00000015361	ENSORLP00000019232	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSORLG00000004831	ENSORLP00000006080	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSORLG00000009029	ENSORLP00000011323	Shadoo 2 protein Sho2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BDK4]	SPRNB
ENSORLG00000017587	ENSORLP00000022004	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSORLG00000011867	ENSORLP00000014868	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HGNC:26729]	SRRM3
ENSORLG00000001177	ENSORLP00000001445	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSORLG00000008547	ENSORLP00000010732	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSORLG000000014450	ENSORLP00000018101	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:A6PV7]	TAS2R1
ENSORLG00000001223	ENSORLP00000001505	Oryzias latipes tributyltin-binding protein type 1 (tbt-bp1), mRNA. [Source:RefSeq mRNA;Acc:NM_001201521]	tbt-bp1
ENSORLG000000020450	ENSORLP00000025339	TDP-glucose 4,6-dehydratase [Source:ZFIN;Acc:ZDB-GENE-030131-5718]	tgds
ENSORLG00000001442	ENSORLP00000001781	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSORLG00000004555	ENSORLP00000005723	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]	TMEM158
ENSORLG00000009841	ENSORLP00000012346	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSORLG00000002255	ENSORLP00000002797	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSORLG00000013586	ENSORLP00000017040	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSORLG00000008997	ENSORLP00000011279	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSORLG00000013310	ENSORLP00000016689	Oryzias latipes transformer 2a (tra2a), mRNA. [Source:RefSeq mRNA;Acc:NM_001104708]	tra2a
ENSORLG00000005528	ENSORLP00000006957	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPPC2L
ENSORLG00000014391	ENSORLP00000018039	TMF1-regulated nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:34348]	TRNP1
ENSORLG00000010950	ENSORLP00000013733	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSORLG00000002828	ENSORLP00000003527	tubulin, gamma complex associated protein 6 [Source:HGNC Symbol;Acc:HGNC:18127]	TUBGCP6
ENSORLG00000017428	ENSORLP00000021794	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSORLG00000009337	ENSORLP00000011708	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSORLG00000019258	ENSORLP00000023991	Vpr (HIV-1) binding protein [Source:HGNC Symbol;Acc:HGNC:30911]	VPRBP
ENSORLG00000002775	ENSORLP00000003462	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSORLG00000018543	ENSORLP00000023189	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSORLG00000001715	ENSORLP00000002131	zymogen granule protein 16B [Source:HGNC Symbol;Acc:HGNC:30456]	ZG16B
ENSORLG00000008556	ENSORLP00000010742	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSORLG00000017529	ENSORLP00000021931	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSORLG00000017334	ENSORLP00000021679	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSORLG00000000004	ENSORLP00000000005	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2R0]	ENSORLG00000000004
ENSORLG00000000014	ENSORLP00000000017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S2]	ENSORLG00000000014
ENSORLG00000000018	ENSORLP00000000020	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S4]	ENSORLG00000000018
ENSORLG00000000032	ENSORLP00000000040	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2U2]	ENSORLG00000000032
ENSORLG00000000067	ENSORLP00000000080	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2X7]	ENSORLG00000000067
ENSORLG00000000082	ENSORLP00000000097	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2Z3]	ENSORLG00000000082
ENSORLG00000000124	ENSORLP00000000153	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L346]	ENSORLG00000000124
ENSORLG00000000127	ENSORLP00000000156	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L349]	ENSORLG00000000127
ENSORLG00000000132	ENSORLP00000000161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L353]	ENSORLG00000000132
ENSORLG00000000142	ENSORLP00000000172	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L362]	ENSORLG00000000142
ENSORLG00000000157	ENSORLP00000000189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L378]	ENSORLG00000000157
ENSORLG00000000167	ENSORLP00000000202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L391]	ENSORLG00000000167
ENSORLG00000000170	ENSORLP00000000205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L393]	ENSORLG00000000170
ENSORLG00000000206	ENSORLP00000000252	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3D4]	ENSORLG00000000206
ENSORLG00000000237	ENSORLP00000000291	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3H0]	ENSORLG00000000237
ENSORLG00000000257	ENSORLP00000000317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3H4]	ENSORLG00000000257
ENSORLG00000000263	ENSORLP00000000323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2N0U3]	ENSORLG00000000263
ENSORLG00000000266	ENSORLP00000000326	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3K2]	ENSORLG00000000266
ENSORLG00000000340	ENSORLP00000000412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L421]	ENSORLG00000000340
ENSORLG00000000362	ENSORLP00000000441	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3W1]	ENSORLG00000000362
ENSORLG00000000404	ENSORLP00000000497	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L417]	ENSORLG00000000404
ENSORLG00000000407	ENSORLP00000000501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L437]	ENSORLG00000000407
ENSORLG00000000414	ENSORLP00000000510	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L429]	ENSORLG00000000414
ENSORLG00000000419	ENSORLP00000000516	Oryzias latipes uncharacterized LOC100049343 (LOC100049343), mRNA. [Source:RefSeq mRNA;Acc:NM_001104757]	ENSORLG00000000419
ENSORLG00000000422	ENSORLP00000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L437]	ENSORLG00000000422
ENSORLG00000000429	ENSORLP00000000530	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L447]	ENSORLG00000000429

Supplemental table 18. Platyfish specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSXMAG00000020801	ENSXMAP00000020460	ATP synthase F0 subunit 8 (mitochondrion) [Source:RefSeq peptide;Acc:YP_002286779]	ATP8
ENSXMAG00000008125	ENSXMAP00000008140	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSXMAG00000008706	ENSXMAP00000008724	chromosome 11 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:27441]	C11orf85
ENSXMAG00000008388	ENSXMAP00000008411	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:19846]	C14orf37
ENSXMAG00000016343	ENSXMAP00000016364	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSXMAG00000015807	ENSXMAP00000015837	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSXMAG00000011791	ENSXMAP00000011817	chromosome 21 open reading frame 2 [Source:HGNC Symbol;Acc:HGNC:1260]	C21orf2
ENSXMAG00000019500	ENSXMAP00000019547	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]	C21orf62
ENSXMAG00000013920	ENSXMAP00000013952	chromosome 7 open reading frame 31 [Source:HGNC Symbol;Acc:HGNC:21722]	C7orf31
ENSXMAG00000016195	ENSXMAP00000016223	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSXMAG00000013585	ENSXMAP00000013616	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSXMAG00000019658	ENSXMAP00000019705	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:31009]	C9orf69
ENSXMAG00000015309	ENSXMAP00000015341	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSXMAG00000009852	ENSXMAP00000009868	coiled-coil domain containing 122 [Source:HGNC Symbol;Acc:HGNC:26478]	CCDC122
ENSXMAG00000011360	ENSXMAP00000011380	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSXMAG00000016528	ENSXMAP00000016561	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSXMAG00000003192	ENSXMAP00000003198	coiled-coil domain containing 158 [Source:HGNC Symbol;Acc:HGNC:26374]	CCDC158
ENSXMAG0000001460	ENSXMAP0000001446	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437]	CCNB1IP1
ENSXMAG00000016478	ENSXMAP00000016512	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSXMAG0000001597	ENSXMAP0000001594	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSXMAG00000020261	ENSXMAP00000020308	chromosome alignment maintaining phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:20311]	CHAMP1
ENSXMAG00000018157	ENSXMAP00000018192	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:27578]	CISD3
ENSXMAG00000018918	ENSXMAP00000018952	CKLF-like MARVEL transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19172]	CLM1
ENSXMAG00000009887	ENSXMAP00000009900	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSXMAG00000016453	ENSXMAP00000016490	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMM10
ENSXMAG00000019686	ENSXMAP00000019733	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-06010-3]	crb3b
ENSXMAG00000016042	ENSXMAP00000016063	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIP1
ENSXMAG00000017985	ENSXMAP00000018024	chitobiase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTB5
ENSXMAG00000010025	ENSXMAP00000010042	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSXMAG00000008409	ENSXMAP00000008433	chromosome X open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:27298]	CXorf30
ENSXMAG00000010622	ENSXMAP00000010644	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSXMAG00000012173	ENSXMAP00000012184	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSXMAG00000004408	ENSXMAP00000004418	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSXMAG00000006958	ENSXMAP00000006965	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSXMAG00000019202	ENSXMAP00000019243	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSXMAG00000017948	ENSXMAP00000017985	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSXMAG00000011291	ENSXMAP00000011310	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSXMAG00000010272	ENSXMAP00000010293	Epigen; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:D1MGM1]	EPGN
ENSXMAG00000010276	ENSXMAP00000010298	epiregulin [Source:HGNC Symbol;Acc:HGNC:3443]	EREG
ENSXMAG00000018457	ENSXMAP00000018499	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSXMAG00000018445	ENSXMAP00000018493	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSXMAG00000002718	ENSXMAP00000002720	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:ZFIN;Acc:ZDB-GENE-030131-1091]	fah
ENSXMAG00000015208	ENSXMAP00000015225	family with sequence similarity 103, member A1 [Source:HGNC Symbol;Acc:HGNC:31022]	FAM103A1
ENSXMAG00000011024	ENSXMAP00000011041	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSXMAG00000009318	ENSXMAP00000009334	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSXMAG00000010735	ENSXMAP00000010752	family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483]	FAM64A
ENSXMAG00000012344	ENSXMAP00000012378	Fas (TNFRSF6) binding factor 1 [Source:HGNC Symbol;Acc:HGNC:24674]	FBF1
ENSXMAG00000003455	ENSXMAP00000003466	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBXO47
ENSXMAG00000016122	ENSXMAP00000016143	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDC9
ENSXMAG00000004764	ENSXMAP00000004776	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSXMAG00000019434	ENSXMAP00000019481	G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]	G0S2
ENSXMAG00000003483	ENSXMAP00000003505	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GGC2
ENSXMAG0000001531	ENSXMAP0000001526	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSXMAG00000017666	ENSXMAP00000017701	guanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:HGNC:4682]	GUCA2A
ENSXMAG0000001748	ENSXMAP0000001750	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSXMAG00000014692	ENSXMAP00000014715	hematopoietically expressed homeobox [Source:HGNC Symbol;Acc:HGNC:4901]	HHEX
ENSXMAG00000007011	ENSXMAP00000007019	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSXMAG00000016571	ENSXMAP00000016600	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSXMAG00000016739	ENSXMAP00000016768	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSXMAG00000014356	ENSXMAP00000014373	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSXMAG00000015097	ENSXMAP00000015132	idnK, gluconokinase homolog (E. coli) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSXMAG00000011627	ENSXMAP00000011645	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSXMAG00000017080	ENSXMAP00000017112	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSXMAG00000005993	ENSXMAP00000006004	IQ motif containing D [Source:ZFIN;Acc:ZDB-GENE-060526-200]	iqcd
ENSXMAG00000010138	ENSXMAP00000010162	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSXMAG00000006693	ENSXMAP00000006702	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101
ENSXMAG00000005046	ENSXMAP00000005059	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSXMAG00000002349	ENSXMAP00000002345	KIAA1875 [Source:HGNC Symbol;Acc:HGNC:26959]	KIAA1875
ENSXMAG00000006778	ENSXMAP00000006784	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSXMAG00000019700	ENSXMAP00000019747	MANS domain containing 4 [Source:HGNC Symbol;Acc:HGNC:40023]	MANS4
ENSXMAG00000019822	ENSXMAP00000019869	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSXMAG00000000412	ENSXMAP00000000403	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marks1b
ENSXMAG00000002767	ENSXMAP00000002763	multiciliate differentiation and DNA synthesis associated cell cycle protein [Source:HGNC Symbol;Acc:HGNC:40050]	MCIDAS
ENSXMAG00000008419	ENSXMAP00000008438	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSXMAG00000005171	ENSXMAP00000005180	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MLANA
ENSXMAG00000004003	ENSXMAP00000004014	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A

ENSXMAG00000018439	ENSXMAP00000018474	mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:HGNC:14487]	MRPL33
ENSXMAG00000019337	ENSXMAP00000019384	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSXMAG00000019017	ENSXMAP00000019053	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUFB4
ENSXMAG00000009024	ENSXMAP00000009085	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSXMAG00000016954	ENSXMAP00000016993	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSXMAG00000002512	ENSXMAP00000002514	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSXMAG00000009773	ENSXMAP00000009789	PET117 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40045]	PET117
ENSXMAG00000007853	ENSXMAP00000007869	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSXMAG00000016907	ENSXMAP00000016965	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSXMAG00000008385	ENSXMAP00000008409	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSXMAG00000012021	ENSXMAP00000012035	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSXMAG00000016666	ENSXMAP00000016698	phosphoserine-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSXMAG00000018052	ENSXMAP00000018086	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPR1
ENSXMAG00000007600	ENSXMAP00000007621	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	QRICH2
ENSXMAG00000015587	ENSXMAP00000015614	RAB15 effector protein [Source:HGNC Symbol;Acc:HGNC:33748]	REP15
ENSXMAG00000002513	ENSXMAP00000002527	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSXMAG00000015431	ENSXMAP00000015454	ribonuclease type III, nuclear [Source:ZFIN;Acc:ZDB-GENE-070209-23]	masen
ENSXMAG00000005178	ENSXMAP00000005188	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSXMAG00000001984	ENSXMAP00000001981	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSXMAG00000000834	ENSXMAP00000000825	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWDD3
ENSXMAG00000005483	ENSXMAP00000005495	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSXMAG00000008562	ENSXMAP00000008575	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSXMAG00000010476	ENSXMAP00000010494	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSXMAG00000004196	ENSXMAP00000004196	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSXMAG00000018322	ENSXMAP00000018355	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSXMAG00000012076	ENSXMAP00000012092	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSXMAG00000007461	ENSXMAP00000007478	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSXMAG00000019953	ENSXMAP000000020000	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSXMAG00000019507	ENSXMAP00000019554	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSXMAG00000008752	ENSXMAP00000008764	si:dkeyp-70f9.7 [Source:ZFIN;Acc:ZDB-GENE-070705-550]	si:dkeyp-70f9.7
ENSXMAG00000005718	ENSXMAP00000005718	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSXMAG00000019695	ENSXMAP00000019742	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSXMAG00000001117	ENSXMAP00000001105	small integral membrane protein 10 [Source:HGNC Symbol;Acc:HGNC:41913]	SMIM10
ENSXMAG00000019693	ENSXMAP00000019740	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSXMAG00000006391	ENSXMAP00000006409	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSXMAG00000002658	ENSXMAP00000002657	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSXMAG00000013479	ENSXMAP00000013479	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSXMAG00000013108	ENSXMAP00000013146	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSXMAG00000007851	ENSXMAP00000007867	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSXMAG00000000939	ENSXMAP00000000929	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	TMEM159
ENSXMAG00000006751	ENSXMAP00000006759	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSXMAG00000014317	ENSXMAP00000014336	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSXMAG00000004099	ENSXMAP00000004104	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSXMAG00000017227	ENSXMAP00000017260	tumor necrosis factor receptor superfamily, member 13B [Source:HGNC Symbol;Acc:HGNC:18153]	TNFRSF13B
ENSXMAG00000020049	ENSXMAP00000020096	translocase of outer mitochondrial membrane 20 homolog b (yeast) [Source:ZFIN;Acc:ZDB-GENE-040718-451]	tomm20b
ENSXMAG00000018878	ENSXMAP00000018907	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPP2C2L
ENSXMAG00000018284	ENSXMAP00000018325	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSXMAG00000000046	ENSXMAP00000000046	tetratricopeptide repeat domain 16 [Source:HGNC Symbol;Acc:HGNC:26536]	TTC16
ENSXMAG00000006462	ENSXMAP00000006475	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSXMAG00000015560	ENSXMAP00000015584	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSXMAG00000001412	ENSXMAP00000001397	ubiquinol-cytochrome c reductase, complex III subunit X [Source:HGNC Symbol;Acc:HGNC:30863]	UQCRC10
ENSXMAG00000019313	ENSXMAP00000019359	ubiquinol-cytochrome c reductase, complex III subunit XI [Source:HGNC Symbol;Acc:HGNC:30862]	UQCRC11
ENSXMAG00000006049	ENSXMAP00000006061	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSXMAG00000019668	ENSXMAP00000019715	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSXMAG00000006085	ENSXMAP00000006097	zinc finger protein 638 [Source:HGNC Symbol;Acc:HGNC:17894]	ZNF638
ENSXMAG00000020352	ENSXMAP00000020400	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSXMAG00000000114	ENSXMAP00000000107	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZD15]	ENSXMAG00000000114
ENSXMAG00000000196	ENSXMAP00000000192	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDA0]	ENSXMAG00000000196
ENSXMAG00000000240	ENSXMAP00000000233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDE1]	ENSXMAG00000000240
ENSXMAG00000000320	ENSXMAP00000000319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDM7]	ENSXMAG00000000320
ENSXMAG00000000358	ENSXMAP00000000353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDR1]	ENSXMAG00000000358
ENSXMAG00000000543	ENSXMAP00000000536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZE94]	ENSXMAG00000000543
ENSXMAG00000000574	ENSXMAP00000000570	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEC8]	ENSXMAG00000000574
ENSXMAG00000000692	ENSXMAP00000000687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEP5]	ENSXMAG00000000692
ENSXMAG00000000729	ENSXMAP00000000726	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZET4]	ENSXMAG00000000729
ENSXMAG00000000879	ENSXMAP00000000871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZF79]	ENSXMAG00000000879
ENSXMAG00000001055	ENSXMAP00000001041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZFP9]	ENSXMAG00000001055
ENSXMAG00000002208	ENSXMAP00000002207	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZJ15]	ENSXMAG00000002208
ENSXMAG00000002341	ENSXMAP00000002339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZJ17]	ENSXMAG00000002341
ENSXMAG00000002612	ENSXMAP00000002610	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZK68]	ENSXMAG00000002612
ENSXMAG00000002700	ENSXMAP00000002699	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZKF7]	ENSXMAG00000002700
ENSXMAG00000002818	ENSXMAP00000002819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZKS7]	ENSXMAG00000002818
ENSXMAG00000002881	ENSXMAP00000002885	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZK23]	ENSXMAG00000002881
ENSXMAG00000002924	ENSXMAP00000002925	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZL33]	ENSXMAG00000002924
ENSXMAG00000002927	ENSXMAP00000002929	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZL37]	ENSXMAG00000002927
ENSXMAG00000002931	ENSXMAP00000002931	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZL39]	ENSXMAG00000002931
ENSXMAG00000002957	ENSXMAP00000002960	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZL68]	ENSXMAG00000002957
ENSXMAG00000002995	ENSXMAP00000003000	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZLA8]	ENSXMAG00000002995
ENSXMAG00000003222	ENSXMAP00000003225	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZLV3]	ENSXMAG00000003222

Supplemental table 19. Spotted gar specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLOCG00000008513	ENSLOCP00000010387	adenylate cyclase 10 (soluble) [Source:HGNC Symbol;Acc:HGNC:21285]	ADCY10
ENSLOCG00000015242	ENSLOCP00000018755	A kinase (PRKA) anchor protein 14 [Source:HGNC Symbol;Acc:HGNC:24061]	AKAP14
ENSLOCG00000010735	ENSLOCP00000013151	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12 [Source:HGNC Symbol;Acc:HGNC:14439]	ALS2CR12
ENSLOCG00000007065	ENSLOCP00000008552	ankyrin repeat domain 60 [Source:HGNC Symbol;Acc:HGNC:16217]	ANKRD60
ENSLOCG00000010326	ENSLOCP00000012650	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) [Source:HGNC Symbol;Acc:HGNC:32152]	APOBEC4
ENSLOCG00000003541	ENSLOCP00000004187	ankyrin repeat and SOCS box containing 17 [Source:HGNC Symbol;Acc:HGNC:19769]	ASB17
ENSLOCG00000001215	ENSLOCP00000001373	autophagy related 2A [Source:HGNC Symbol;Acc:HGNC:29028]	ATG2A
ENSLOCG00000002499	ENSLOCP00000002933	breast carcinoma amplified sequence 1 [Source:HGNC Symbol;Acc:HGNC:974]	BCAS1
ENSLOCG00000002481	ENSLOCP00000002907	BTB (POZ) domain containing 19 [Source:HGNC Symbol;Acc:HGNC:27145]	BTBD19
ENSLOCG00000018239	ENSLOCP00000022340	chromosome 10 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:20304]	C10orf105
ENSLOCG00000011540	ENSLOCP00000014177	chromosome 10 open reading frame 35 [Source:HGNC Symbol;Acc:HGNC:23519]	C10orf35
ENSLOCG00000009582	ENSLOCP00000011705	chromosome 10 open reading frame 82 [Source:HGNC Symbol;Acc:HGNC:28500]	C10orf82
ENSLOCG00000003423	ENSLOCP00000004065	chromosome 11 open reading frame 16 [Source:HGNC Symbol;Acc:HGNC:1169]	C11orf16
ENSLOCG00000006514	ENSLOCP00000007864	chromosome 11 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:28541]	C11orf42
ENSLOCG00000002021	ENSLOCP00000002335	chromosome 11 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:27441]	C11orf85
ENSLOCG00000011110	ENSLOCP00000013650	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:19846]	C14orf37
ENSLOCG00000002506	ENSLOCP00000002943	chromosome 16 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:25849]	C16orf59
ENSLOCG00000003623	ENSLOCP00000004296	chromosome 16 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:27558]	C16orf91
ENSLOCG00000013588	ENSLOCP00000016757	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:27568]	C17orf58
ENSLOCG00000011864	ENSLOCP00000014588	chromosome 17 open reading frame 98 [Source:HGNC Symbol;Acc:HGNC:34492]	C17orf98
ENSLOCG00000001689	ENSLOCP00000001942	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSLOCG00000015402	ENSLOCP00000018955	chromosome 1 open reading frame 101 [Source:HGNC Symbol;Acc:HGNC:28491]	C1orf101
ENSLOCG00000008697	ENSLOCP00000010578	chromosome 1 open reading frame 177 [Source:HGNC Symbol;Acc:HGNC:26854]	C1orf177
ENSLOCG00000005652	ENSLOCP00000006822	chromosome 1 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:28547]	C1orf87
ENSLOCG00000001805	ENSLOCP00000002085	chromosome 20 open reading frame 195 [Source:HGNC Symbol;Acc:HGNC:28764]	C20orf195
ENSLOCG00000007154	ENSLOCP00000008659	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSLOCG00000017776	ENSLOCP00000012880	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]	C21orf62
ENSLOCG00000005251	ENSLOCP00000006322	chromosome 2 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:33809]	C2orf66
ENSLOCG00000015525	ENSLOCP00000019108	chromosome 2 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:26861]	C2orf73
ENSLOCG00000005065	ENSLOCP00000006096	chromosome 2 open reading frame 81 [Source:HGNC Symbol;Acc:HGNC:34350]	C2orf81
ENSLOCG00000015751	ENSLOCP00000019390	chromosome 3 open reading frame 20 [Source:HGNC Symbol;Acc:HGNC:25320]	C3orf20
ENSLOCG00000010350	ENSLOCP00000012685	chromosome 3 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:25190]	C3orf49
ENSLOCG00000017386	ENSLOCP000000021491	chromosome 3 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:40048]	C3orf80
ENSLOCG00000013104	ENSLOCP00000016141	chromosome 3 open reading frame 84 [Source:HGNC Symbol;Acc:HGNC:44666]	C3orf84
ENSLOCG00000016518	ENSLOCP00000020403	chromosome 6 open reading frame 118 [Source:HGNC Symbol;Acc:HGNC:21233]	C6orf118
ENSLOCG00000004630	ENSLOCP00000005545	chromosome 6 open reading frame 229 [Source:HGNC Symbol;Acc:HGNC:49394]	C6orf229
ENSLOCG00000011709	ENSLOCP00000014392	chromosome 7 open reading frame 31 [Source:HGNC Symbol;Acc:HGNC:21722]	C7orf31
ENSLOCG00000010300	ENSLOCP00000012615	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSLOCG00000004989	ENSLOCP00000006008	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:22564]	C7orf72
ENSLOCG00000017103	ENSLOCP00000021134	chromosome 7 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:41909]	C7orf73
ENSLOCG00000008299	ENSLOCP00000010079	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSLOCG00000014620	ENSLOCP00000017994	chromosome 8 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:26345]	C8orf48
ENSLOCG00000009476	ENSLOCP00000011565	chromosome 9 open reading frame 135 [Source:HGNC Symbol;Acc:HGNC:31422]	C9orf135
ENSLOCG00000009971	ENSLOCP00000012189	chromosome 9 open reading frame 152 [Source:HGNC Symbol;Acc:HGNC:31455]	C9orf152
ENSLOCG00000017342	ENSLOCP000000021447	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:31009]	C9orf69
ENSLOCG00000003010	ENSLOCP00000003543	chromosome 9 open reading frame 84 [Source:HGNC Symbol;Acc:HGNC:26535]	C9orf84
ENSLOCG00000006489	ENSLOCP00000007839	calcium binding tyrosine-(Y)-phosphorylation regulated [Source:HGNC Symbol;Acc:HGNC:15569]	CABRY
ENSLOCG00000009256	ENSLOCP00000011289	cathelicidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGNC:1472]	CAMP
ENSLOCG00000000679	ENSLOCP00000000751	carnosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:29268]	CARNS1
ENSLOCG00000013209	ENSLOCP00000016279	catpsper channel auxiliary subunit beta [Source:HGNC Symbol;Acc:HGNC:20500]	CATSPERB
ENSLOCG00000003145	ENSLOCP00000003705	catpsper channel auxiliary subunit delta [Source:HGNC Symbol;Acc:HGNC:28598]	CATSPERD
ENSLOCG00000014303	ENSLOCP00000017612	catpsper channel auxiliary subunit gamma [Source:HGNC Symbol;Acc:HGNC:25243]	CATSPERG
ENSLOCG00000013804	ENSLOCP00000017021	coiled-coil domain containing 110 [Source:HGNC Symbol;Acc:HGNC:28504]	CCDC110
ENSLOCG00000008955	ENSLOCP00000010908	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSLOCG00000005651	ENSLOCP00000006823	coiled-coil domain containing 122 [Source:HGNC Symbol;Acc:HGNC:26478]	CCDC122
ENSLOCG00000005892	ENSLOCP00000007118	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSLOCG00000008080	ENSLOCP00000009812	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSLOCG00000003834	ENSLOCP00000004599	coiled-coil domain containing 158 [Source:HGNC Symbol;Acc:HGNC:26374]	CCDC158
ENSLOCG00000001508	ENSLOCP00000001717	coiled-coil domain containing 166 [Source:HGNC Symbol;Acc:HGNC:41910]	CCDC166
ENSLOCG00000001030	ENSLOCP00000001157	coiled-coil domain containing 183 [Source:HGNC Symbol;Acc:HGNC:28236]	CCDC183
ENSLOCG00000005857	ENSLOCP00000007071	coiled-coil domain containing 27 [Source:HGNC Symbol;Acc:HGNC:26546]	CCDC27
ENSLOCG00000003175	ENSLOCP00000003750	coiled-coil domain containing 60 [Source:HGNC Symbol;Acc:HGNC:28610]	CCDC60
ENSLOCG00000009607	ENSLOCP00000011737	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]	CCDC81
ENSLOCG00000016504	ENSLOCP000000020385	coiled-coil domain containing 91 [Source:HGNC Symbol;Acc:HGNC:24855]	CCDC91
ENSLOCG00000009280	ENSLOCP00000011319	CD47 molecule [Source:HGNC Symbol;Acc:HGNC:1682]	CD47
ENSLOCG00000008927	ENSLOCP00000010873	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSLOCG00000016517	ENSLOCP000000020402	centromere protein W [Source:HGNC Symbol;Acc:HGNC:21488]	CENPW
ENSLOCG00000006191	ENSLOCP00000007480	centrosomal protein 164kDa [Source:HGNC Symbol;Acc:HGNC:29182]	CEP164
ENSLOCG00000013542	ENSLOCP00000016702	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSLOCG00000013685	ENSLOCP00000016871	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:27578]	CISD3
ENSLOCG00000005092	ENSLOCP00000006133	claudin 16 [Source:HGNC Symbol;Acc:HGNC:2037]	CLDN16
ENSLOCG00000011447	ENSLOCP00000013693	colipase, pancreatic [Source:HGNC Symbol;Acc:HGNC:2085]	CLPS
ENSLOCG00000005103	ENSLOCP00000006146	CKLF-like MARVEL transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19172]	CLMTM1
ENSLOCG00000000708	ENSLOCP00000000786	cyclic nucleotide binding domain containing 2 [Source:HGNC Symbol;Acc:HGNC:16145]	CNBD2
ENSLOCG00000013524	ENSLOCP00000016670	centrobin, centrosomal BRCA2 interacting protein [Source:HGNC Symbol;Acc:HGNC:29616]	CNTROB
ENSLOCG00000001441	ENSLOCP00000001661	procollagen, type IX, alpha 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9786]	col9a2

ENSLOC00000008888	ENSLOC00000010817	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMD10
ENSLOC00000013880	ENSLOC00000017116	cytochrome c oxidase subunit VIIb [Source:HGNC Symbol;Acc:HGNC:2291]	COX7B
ENSLOC00000003378	ENSLOC00000004000	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	CPQ
ENSLOC00000016330	ENSLOC00000020158	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIPT
ENSLOC00000013350	ENSLOC00000016450	chemokine (C-X-C motif) ligand 2 [Source:HGNC Symbol;Acc:HGNC:4603]	CXCL2
ENSLOC00000017801	ENSLOC00000021905	chromosome X open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:25667]	CXorf21
ENSLOC00000010136	ENSLOC00000012407	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSLOC00000010145	ENSLOC00000012422	chromosome X open reading frame 30 [Source:HGNC Symbol;Acc:HGNC:27298]	CXorf30
ENSLOC00000004669	ENSLOC00000005590	doublecortin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20625]	DCDC1
ENSLOC00000013206	ENSLOC00000016264	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSLOC00000002146	ENSLOC00000002493	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb2
ENSLOC000000011005	ENSLOC00000013502	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSLOC00000008566	ENSLOC00000010421	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSLOC00000006636	ENSLOC00000008015	EF-hand calcium binding domain 5 [Source:HGNC Symbol;Acc:HGNC:24801]	EFCAB5
ENSLOC00000009328	ENSLOC00000011377	EF-hand calcium binding domain 9 [Source:HGNC Symbol;Acc:HGNC:34530]	EFCAB9
ENSLOC00000004358	ENSLOC00000005205	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSLOC00000013414	ENSLOC00000016539	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSLOC00000003783	ENSLOC00000004509	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSLOC00000005386	ENSLOC00000006494	glutamate-rich 6B [Source:HGNC Symbol;Acc:HGNC:26523]	ERICH6B
ENSLOC00000010056	ENSLOC00000012304	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSLOC00000010037	ENSLOC00000012289	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSLOC000000012944	ENSLOC00000015937	family with sequence similarity 103, member A1 [Source:HGNC Symbol;Acc:HGNC:31022]	FAM103A1
ENSLOC00000006217	ENSLOC00000007506	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSLOC00000010652	ENSLOC00000013045	family with sequence similarity 159, member B [Source:HGNC Symbol;Acc:HGNC:34236]	FAM159B
ENSLOC00000009066	ENSLOC00000011046	family with sequence similarity 174, member A [Source:HGNC Symbol;Acc:HGNC:24943]	FAM174A
ENSLOC00000013032	ENSLOC00000016051	family with sequence similarity 181, member A [Source:HGNC Symbol;Acc:HGNC:20491]	FAM181A
ENSLOC00000005205	ENSLOC00000006264	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSLOC00000007266	ENSLOC00000008786	family with sequence similarity 216, member A [Source:HGNC Symbol;Acc:HGNC:30180]	FAM216A
ENSLOC00000005715	ENSLOC00000006895	family with sequence similarity 227, member A [Source:HGNC Symbol;Acc:HGNC:44197]	FAM227A
ENSLOC00000013154	ENSLOC00000016206	family with sequence similarity 227, member B [Source:HGNC Symbol;Acc:HGNC:26543]	FAM227B
ENSLOC00000006235	ENSLOC00000007527	family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483]	FAM64A
ENSLOC00000010408	ENSLOC00000012764	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBXO47
ENSLOC00000018058	ENSLOC00000022159	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDC9
ENSLOC00000000771	ENSLOC00000000854	FOS-like antigen 1a [Source:ZFIN;Acc:ZDB-GENE-061207-7]	fosl1a
ENSLOC00000008490	ENSLOC00000010330	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSLOC00000010377	ENSLOC00000012718	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSLOC00000015658	ENSLOC00000019273	gastrokine 1 [Source:HGNC Symbol;Acc:HGNC:23217]	GKN1
ENSLOC00000014983	ENSLOC00000018445	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:HGNC Symbol;Acc:HGNC:4419]	GNRH1
ENSLOC00000002178	ENSLOC00000002537	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSLOC00000003438	ENSLOC00000004072	guanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:HGNC:4682]	GUCY2A2
ENSLOC00000002277	ENSLOC00000002659	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSLOC00000009932	ENSLOC00000012142	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSLOC000000014273	ENSLOC00000017571	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSLOC00000016635	ENSLOC00000020548	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSLOC00000002152	ENSLOC00000002508	idnK, gluconokinase homolog (E. coli) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSLOC00000001484	ENSLOC0000001692	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSLOC00000015136	ENSLOC00000018627	IKKBK interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBIP
ENSLOC00000014518	ENSLOC00000017869	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSLOC00000006081	ENSLOC00000007344	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	IL18
ENSLOC00000005587	ENSLOC00000006746	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	INSYNA1
ENSLOC00000008236	ENSLOC00000010000	potassium channel tetramerization domain containing 19 [Source:HGNC Symbol;Acc:HGNC:24753]	KCTD19
ENSLOC00000007292	ENSLOC00000008831	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSLOC00000015689	ENSLOC00000019312	KIAA1586 [Source:HGNC Symbol;Acc:HGNC:21360]	KIAA1586
ENSLOC00000008809	ENSLOC00000010719	KIAA1875 [Source:HGNC Symbol;Acc:HGNC:26959]	KIAA1875
ENSLOC00000005318	ENSLOC00000006405	LKAAEAR motif containing 1 [Source:HGNC Symbol;Acc:HGNC:33718]	LKAAEAR1
ENSLOC00000008227	ENSLOC00000009986	leucine rich repeat containing 36 [Source:HGNC Symbol;Acc:HGNC:25615]	LRRC36
ENSLOC00000005344	ENSLOC00000006439	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSLOC00000002923	ENSLOC00000003434	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSLOC00000014480	ENSLOC00000017822	mastermind-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2568]	MAML1
ENSLOC00000016690	ENSLOC00000020620	MANSC domain containing 4 [Source:HGNC Symbol;Acc:HGNC:40023]	MANSC4
ENSLOC00000015849	ENSLOC00000019512	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSLOC00000016978	ENSLOC00000020986	myristoylated alanine rich protein kinase C substrate a [Source:ZFIN;Acc:ZDB-GENE-050522-145]	marcksA
ENSLOC00000000255	ENSLOC00000000280	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSLOC00000011869	ENSLOC00000014592	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSLOC00000010071	ENSLOC00000012316	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MLANA
ENSLOC00000007516	ENSLOC00000009125	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSLOC00000009931	ENSLOC00000012145	male-specific lethal 3 homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:7370]	MSL3
ENSLOC00000008314	ENSLOC00000010100	mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:7508]	MUC1
ENSLOC00000014069	ENSLOC00000017338	mucin 17, cell surface associated [Source:HGNC Symbol;Acc:HGNC:16800]	MUC17
ENSLOC00000016427	ENSLOC00000020289	marginal zone B and B1 cell-specific protein [Source:HGNC Symbol;Acc:HGNC:30125]	MZB1
ENSLOC00000004936	ENSLOC00000005938	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSLOC00000010564	ENSLOC00000012941	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kDa [Source:HGNC Symbol;Acc:HGNC:7705]	NDUFC1
ENSLOC00000011454	ENSLOC00000014099	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSLOC00000016573	ENSLOC00000020471	NLR family, CARD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:16412]	NLR4
ENSLOC00000003503	ENSLOC00000004147	Nmra-like family domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24987]	NMRAL1
ENSLOC00000001312	ENSLOC00000001499	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSLOC00000001889	ENSLOC00000002193	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSLOC00000013517	ENSLOC00000016666	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSLOC00000008193	ENSLOC00000009944	PDZ domain containing 9 [Source:HGNC Symbol;Acc:HGNC:28740]	PDZD9

ENSLOGG00000015693	ENSLOCP00000019318	PET117 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:40045]	PET117
ENSLOGG00000017750	ENSLOCP00000021854	phosphoinositide-interacting regulator of transient receptor potential channels [Source:HGNC Symbol;Acc:HGNC:37239]	PIRT
ENSLOGG00000016938	ENSLOCP00000020937	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PLM20D2
ENSLOGG00000015375	ENSLOCP00000018921	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSLOGG00000012926	ENSLOCP00000015915	protein phosphatase 1, regulatory subunit 17 [Source:HGNC Symbol;Acc:HGNC:16973]	PPP1R17
ENSLOGG00000003435	ENSLOCP00000004071	protein phosphatase 1, regulatory subunit 36 [Source:HGNC Symbol;Acc:HGNC:20097]	PPP1R36
ENSLOGG00000004947	ENSLOCP00000005948	prolactin releasing hormone [Source:HGNC Symbol;Acc:HGNC:17945]	PRLH
ENSLOGG00000015697	ENSLOCP00000019321	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSLOGG00000015044	ENSLOCP00000018515	proline rich 21 [Source:HGNC Symbol;Acc:HGNC:33863]	PRR21
ENSLOGG00000001413	ENSLOCP00000001610	prothymosin, alpha [Source:HGNC Symbol;Acc:HGNC:9623]	PTMA
ENSLOGG00000002763	ENSLOCP00000003250	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPRT
ENSLOGG000000011234	ENSLOCP00000013806	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	QRICH2
ENSLOGG00000017894	ENSLOCP00000021997	RAB15 effector protein [Source:HGNC Symbol;Acc:HGNC:33748]	REP15
ENSLOGG00000009743	ENSLOCP00000011906	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RG522
ENSLOGG00000004460	ENSLOCP00000005328	regulator of G-protein signaling like 1 [Source:HGNC Symbol;Acc:HGNC:18636]	RGSL1
ENSLOGG00000003356	ENSLOCP00000003960	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSLOGG00000005417	ENSLOCP00000006538	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSLOGG00000008213	ENSLOCP00000009971	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWD3
ENSLOGG00000010816	ENSLOCP00000013251	sterile alpha motif domain containing 15 [Source:HGNC Symbol;Acc:HGNC:18631]	SAMD15
ENSLOGG00000001053	ENSLOCP00000001234	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSLOGG00000004647	ENSLOCP00000005563	selectin P ligand [Source:HGNC Symbol;Acc:HGNC:10722]	SELPLG
ENSLOGG00000018041	ENSLOCP00000022142	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSLOGG00000009797	ENSLOCP00000011973	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSLOGG00000000566	ENSLOCP00000000624	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSLOGG00000016352	ENSLOCP000000020193	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSLOGG00000017238	ENSLOCP000000021321	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSLOGG00000017521	ENSLOCP000000021626	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSLOGG00000009160	ENSLOCP00000001164	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSLOGG00000015014	ENSLOCP00000018483	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSLOGG00000012109	ENSLOCP00000014895	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	SIL1
ENSLOGG00000002955	ENSLOCP00000003479	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSLOGG00000005511	ENSLOCP00000006652	schlafen family member 13 [Source:HGNC Symbol;Acc:HGNC:26481]	SLFN13
ENSLOGG00000002995	ENSLOCP00000003528	schlafen-like 1 [Source:HGNC Symbol;Acc:HGNC:26313]	SLFN1
ENSLOGG00000006140	ENSLOCP00000007418	single-pass membrane protein with coiled-coil domains 1 [Source:HGNC Symbol;Acc:HGNC:27407]	SMCD1
ENSLOGG00000018191	ENSLOCP00000022292	single-pass membrane protein with coiled-coil domains 3 [Source:HGNC Symbol;Acc:HGNC:34401]	SMCO3
ENSLOGG00000005888	ENSLOCP00000007112	small integral membrane protein 1 (Vel blood group) [Source:HGNC Symbol;Acc:HGNC:44204]	SMIM1
ENSLOGG00000008416	ENSLOCP00000010229	spermatogenesis and oogenesis specific basic helix-loop-helix 2 [Source:HGNC Symbol;Acc:HGNC:26026]	SOHLH2
ENSLOGG00000010480	ENSLOCP00000012847	sperm associated antigen 8 [Source:HGNC Symbol;Acc:HGNC:14105]	SPAG8
ENSLOGG00000000975	ENSLOCP00000001096	spermatogenesis associated 16 [Source:HGNC Symbol;Acc:HGNC:29935]	SPATA16
ENSLOGG00000003633	ENSLOCP00000004305	spermatogenesis associated 22 [Source:HGNC Symbol;Acc:HGNC:30705]	SPATA22
ENSLOGG00000008569	ENSLOCP00000010422	spermatogenesis and centriole associated 1 [Source:HGNC Symbol;Acc:HGNC:30510]	SPATC1
ENSLOGG00000008870	ENSLOCP00000010797	spermatogenesis and centriole associated 1-like [Source:HGNC Symbol;Acc:HGNC:1298]	SPATC1L
ENSLOGG00000015764	ENSLOCP00000019406	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRNT
ENSLOGG00000002879	ENSLOCP00000003391	serine/arginine repetitive matrix 2 [Source:ZFIN;Acc:ZDB-GENE-050522-399]	srmm2
ENSLOGG00000003219	ENSLOCP00000003803	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSLOGG00000016111	ENSLOCP00000019851	stimulated by retinoic acid 8 [Source:HGNC Symbol;Acc:HGNC:30653]	STRA8
ENSLOGG00000012672	ENSLOCP00000015598	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSLOGG00000003908	ENSLOCP00000004662	transcription factor-like 5 (basic helix-loop-helix) [Source:HGNC Symbol;Acc:HGNC:11646]	TCFL5
ENSLOGG00000015077	ENSLOCP00000018557	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSLOGG00000013602	ENSLOCP00000016770	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSLOGG00000006911	ENSLOCP00000008356	transmembrane protein 134 [Source:ZFIN;Acc:ZDB-GENE-040426-1345]	tmem134
ENSLOGG00000018323	ENSLOCP00000022424	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]	TMEM158
ENSLOGG00000008017	ENSLOCP00000009736	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	TMEM159
ENSLOGG00000007434	ENSLOCP00000009016	transmembrane protein 212 [Source:HGNC Symbol;Acc:HGNC:34295]	TMEM212
ENSLOGG00000017926	ENSLOCP00000022029	transmembrane protein 215 [Source:HGNC Symbol;Acc:HGNC:33816]	TMEM215
ENSLOGG00000008534	ENSLOCP00000010378	transmembrane protein 249 [Source:HGNC Symbol;Acc:HGNC:44155]	TMEM249
ENSLOGG00000006109	ENSLOCP00000007382	transmembrane protein 52 [Source:HGNC Symbol;Acc:HGNC:27916]	TMEM52
ENSLOGG00000001973	ENSLOCP00000002285	tumor necrosis factor receptor superfamily, member 13B [Source:HGNC Symbol;Acc:HGNC:18153]	TNFRSF13B
ENSLOGG00000007457	ENSLOCP00000009047	tumor necrosis factor receptor superfamily, member 17 [Source:HGNC Symbol;Acc:HGNC:11913]	TNFRSF17
ENSLOGG00000001212	ENSLOCP00000001366	testis and ovary specific PAZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24746]	TOPAZ1
ENSLOGG00000004728	ENSLOCP00000005665	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPPC2L
ENSLOGG00000009260	ENSLOCP00000011294	T cell receptor associated transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:30698]	TRAT1
ENSLOGG00000017719	ENSLOCP00000021824	T cell receptor beta variable 20/OR9-2 (non-functional) [Source:HGNC Symbol;Acc:HGNC:12197]	TRBV20OR9-2
ENSLOGG00000013379	ENSLOCP00000016489	T cell receptor beta variable 30 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12214]	TRBV30
ENSLOGG00000009569	ENSLOCP00000011696	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSLOGG00000002597	ENSLOCP00000003049	tetratricopeptide repeat domain 16 [Source:HGNC Symbol;Acc:HGNC:26536]	TTC16
ENSLOGG00000016772	ENSLOCP00000020731	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSLOGG00000001630	ENSLOCP00000001875	UBX domain protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-792]	ubxn1
ENSLOGG00000003180	ENSLOCP00000003758	uropalakin 2 [Source:HGNC Symbol;Acc:HGNC:12579]	UPK2
ENSLOGG00000016525	ENSLOCP00000020411	uropalakin 3A [Source:HGNC Symbol;Acc:HGNC:12580]	UPK3A
ENSLOGG00000002591	ENSLOCP00000003043	urotensin 2, beta [Source:ZFIN;Acc:ZDB-GENE-040630-10]	uts2b
ENSLOGG00000014622	ENSLOCP00000017995	WD repeat domain 87 [Source:HGNC Symbol;Acc:HGNC:29934]	WDR87
ENSLOGG00000010827	ENSLOCP00000013266	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSLOGG00000014894	ENSLOCP00000018338	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSLOGG00000008947	ENSLOCP00000010898	zinc finger, MYND-type containing 15 [Source:HGNC Symbol;Acc:HGNC:20997]	ZMYND15
ENSLOGG00000008742	ENSLOCP00000010641	zinc finger protein 474 [Source:HGNC Symbol;Acc:HGNC:23245]	ZNF474
ENSLOGG00000005038	ENSLOCP00000006069	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSLOGG00000013506	ENSLOCP00000016650	ZW10 interacting kinetochore protein [Source:HGNC Symbol;Acc:HGNC:13195]	ZWINT
ENSLOGG00000000069	ENSLOCP00000000079	novel gene	ENSLOGG00000000069

ENSLOGG00000017612	ENSLOCP00000021717	novel gene	ENSLOGG00000017612
ENSLOGG00000017622	ENSLOCP00000021727	novel gene	ENSLOGG00000017622
ENSLOGG00000017627	ENSLOCP00000021732	novel gene	ENSLOGG00000017627
ENSLOGG00000017629	ENSLOCP00000021734	novel gene	ENSLOGG00000017629
ENSLOGG00000017658	ENSLOCP00000021763	novel gene	ENSLOGG00000017658
ENSLOGG00000017659	ENSLOCP00000021764	novel gene	ENSLOGG00000017659
ENSLOGG00000017698	ENSLOCP00000021803	novel gene	ENSLOGG00000017698
ENSLOGG00000017765	ENSLOCP00000021869	novel gene	ENSLOGG00000017765
ENSLOGG00000017809	ENSLOCP00000021913	novel gene	ENSLOGG00000017809
ENSLOGG00000017819	ENSLOCP00000021923	novel gene	ENSLOGG00000017819
ENSLOGG00000017839	ENSLOCP00000021942	novel gene	ENSLOGG00000017839
ENSLOGG00000017855	ENSLOCP00000021958	novel gene	ENSLOGG00000017855
ENSLOGG00000017882	ENSLOCP00000021985	novel gene	ENSLOGG00000017882
ENSLOGG00000017925	ENSLOCP00000022028	novel gene	ENSLOGG00000017925
ENSLOGG00000017927	ENSLOCP00000022030	novel gene	ENSLOGG00000017927
ENSLOGG00000017935	ENSLOCP00000022038	novel gene	ENSLOGG00000017935
ENSLOGG00000017964	ENSLOCP00000022067	novel gene	ENSLOGG00000017964
ENSLOGG00000017976	ENSLOCP00000022077	novel gene	ENSLOGG00000017976
ENSLOGG00000017986	ENSLOCP00000022087	novel gene	ENSLOGG00000017986
ENSLOGG00000017987	ENSLOCP00000022088	novel gene	ENSLOGG00000017987
ENSLOGG00000018016	ENSLOCP00000022117	novel gene	ENSLOGG00000018016
ENSLOGG00000018032	ENSLOCP00000022133	novel gene	ENSLOGG00000018032
ENSLOGG00000018064	ENSLOCP00000022165	novel gene	ENSLOGG00000018064
ENSLOGG00000018065	ENSLOCP00000022166	novel gene	ENSLOGG00000018065
ENSLOGG00000018070	ENSLOCP00000022171	novel gene	ENSLOGG00000018070
ENSLOGG00000018073	ENSLOCP00000022174	novel gene	ENSLOGG00000018073
ENSLOGG00000018115	ENSLOCP00000022216	novel gene	ENSLOGG00000018115
ENSLOGG00000018123	ENSLOCP00000022224	novel gene	ENSLOGG00000018123
ENSLOGG00000018132	ENSLOCP00000022233	novel gene	ENSLOGG00000018132
ENSLOGG00000018140	ENSLOCP00000022241	novel gene	ENSLOGG00000018140
ENSLOGG00000018160	ENSLOCP00000022261	novel gene	ENSLOGG00000018160
ENSLOGG00000018204	ENSLOCP00000022305	novel gene	ENSLOGG00000018204
ENSLOGG00000018212	ENSLOCP00000022313	novel gene	ENSLOGG00000018212
ENSLOGG00000018222	ENSLOCP00000022323	novel gene	ENSLOGG00000018222
ENSLOGG00000018244	ENSLOCP00000022345	novel gene	ENSLOGG00000018244
ENSLOGG00000018257	ENSLOCP00000022358	novel gene	ENSLOGG00000018257
ENSLOGG00000018293	ENSLOCP00000022394	novel gene	ENSLOGG00000018293
ENSLOGG00000018311	ENSLOCP00000022412	novel gene	ENSLOGG00000018311

Supplemental table 20. Stickleback specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGACG00000009187	ENSGACP00000012127	ankyrin repeat and ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29642]	ANKUB1
ENSGACG00000001538	ENSGACP00000002003	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSGACG00000010413	ENSGACP00000013759	BCL6 corepressor [Source:HGNC Symbol;Acc:HGNC:20893]	BCOR
ENSGACG00000012728	ENSGACP00000016817	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:19846]	C14orf37
ENSGACG00000013613	ENSGACP00000017995	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26073]	C19orf24
ENSGACG00000001535	ENSGACP00000001999	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]	C21orf62
ENSGACG00000002253	ENSGACP00000002922	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSGACG00000017752	ENSGACP00000023454	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSGACG00000016653	ENSGACP00000021989	chromosome 9 open reading frame 16 [Source:HGNC Symbol;Acc:HGNC:17823]	C9orf16
ENSGACG00000016591	ENSGACP00000021903	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc:HGNC:31009]	C9orf69
ENSGACG00000000167	ENSGACP00000000221	calcium modulating ligand [Source:ZFIN;Acc:ZDB-GENE-040426-2407]	camlg
ENSGACG00000007399	ENSGACP00000009817	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSGACG00000005787	ENSGACP00000007647	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSGACG00000017933	ENSGACP00000023692	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSGACG00000011173	ENSGACP00000014771	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSGACG00000001616	ENSGACP00000002112	coiled-coil domain containing 64 [Source:HGNC Symbol;Acc:HGNC:28095]	CCDC64
ENSGACG00000015139	ENSGACP00000019965	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]	CCDC81
ENSGACG00000019232	ENSGACP00000025421	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437]	CCNB1IP1
ENSGACG00000006149	ENSGACP00000008156	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSGACG00000018230	ENSGACP00000024103	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSGACG00000015441	ENSGACP00000020365	chromosome alignment maintaining phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:20311]	CHAMP1
ENSGACG00000018126	ENSGACP00000023951	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:27578]	CISD3
ENSGACG00000011571	ENSGACP00000015298	clathrin heavy chain linker domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26453]	CLH1
ENSGACG00000002679	ENSGACP00000003507	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSGACG00000006209	ENSGACP00000008209	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMMD10
ENSGACG00000002772	ENSGACP00000003624	cysteine-rich PDZ-binding protein [Source:HGNC Symbol;Acc:HGNC:14312]	CRIP1
ENSGACG00000009697	ENSGACP00000012798	chitobiase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTBS
ENSGACG00000013733	ENSGACP00000018148	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSGACG00000018496	ENSGACP00000024455	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGACG00000015891	ENSGACP00000020970	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSGACG00000015279	ENSGACP00000020148	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSGACG00000017852	ENSGACP00000023587	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCA14
ENSGACG00000018198	ENSGACP00000024056	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSGACG00000016601	ENSGACP00000021916	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSGACG00000008237	ENSGACP00000010908	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSGACG00000008268	ENSGACP00000010942	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSGACG00000015052	ENSGACP00000019853	family with sequence similarity 103, member A1 [Source:HGNC Symbol;Acc:HGNC:31022]	FAM103A1
ENSGACG00000003383	ENSGACP00000004423	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSGACG00000010484	ENSGACP00000013856	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSGACG00000000043	ENSGACP00000000058	family with sequence similarity 189, member A2 [Source:ZFIN;Acc:ZDB-GENE-050309-90]	fam189a2
ENSGACG00000012716	ENSGACP00000016814	Fas (TNFRSF6) binding factor 1 [Source:HGNC Symbol;Acc:HGNC:24674]	FBF1
ENSGACG00000006797	ENSGACP00000009006	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBX047
ENSGACG00000016088	ENSGACP00000021224	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSGACG00000006813	ENSGACP00000009031	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSGACG00000007548	ENSGACP00000010005	G patch domain containing 2-like [Source:HGNC Symbol;Acc:HGNC:20210]	GPATCH2L
ENSGACG00000010302	ENSGACP00000013604	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSGACG00000019137	ENSGACP00000025305	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSGACG00000013616	ENSGACP00000017998	interferon lambda receptor 1 [Source:ZFIN;Acc:ZDB-GENE-071120-5]	ifnlr1
ENSGACG00000002993	ENSGACP00000003917	intraflagellar transport 122 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:HGNC:13556]	IFT122
ENSGACG00000012446	ENSGACP00000016451	interleukin 12 receptor, beta 2a, like [Source:ZFIN;Acc:ZDB-GENE-080107-6]	il12rb2l
ENSGACG00000001568	ENSGACP00000002050	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSGACG00000015140	ENSGACP00000019968	interleukin 18 receptor 1 [Source:HGNC Symbol;Acc:HGNC:5988]	IL18R1
ENSGACG00000009858	ENSGACP00000013058	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSGACG00000007967	ENSGACP00000010557	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	KIAA0101
ENSGACG00000019162	ENSGACP00000025336	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSGACG00000012676	ENSGACP00000016749	leucine rich repeat containing 31 [Source:HGNC Symbol;Acc:HGNC:26261]	LRRC31
ENSGACG00000008128	ENSGACP00000010762	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSGACG00000016346	ENSGACP00000021578	leucine rich adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:32327]	LURAP1
ENSGACG00000002758	ENSGACP00000003608	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSGACG000000020548	ENSGACP00000027166	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSGACG00000016833	ENSGACP00000022228	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MLANA
ENSGACG00000009336	ENSGACP00000012320	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSGACG00000012910	ENSGACP00000017054	mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:HGNC:14487]	MRPL33
ENSGACG00000015203	ENSGACP00000020049	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSGACG00000002553	ENSGACP00000003344	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUFB4
ENSGACG00000010608	ENSGACP00000014034	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSGACG00000007005	ENSGACP00000009276	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSGACG00000005546	ENSGACP00000007345	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSGACG00000016329	ENSGACP00000021555	poly(A) binding protein interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:17970]	PAIP2
ENSGACG00000018913	ENSGACP00000025003	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSGACG00000009194	ENSGACP00000012134	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSGACG00000010840	ENSGACP00000014379	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSGACG00000012062	ENSGACP00000015958	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSGACG00000000031	ENSGACP00000000044	podocalyxin-like 2 [Source:HGNC Symbol;Acc:HGNC:17936]	PODXL2
ENSGACG00000001077	ENSGACP00000001390	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSGACG00000002436	ENSGACP00000003179	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a

ENSGACG00000018165	ENSGACP00000024004	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPRT
ENSGACG00000019903	ENSGACP00000026293	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSGACG00000018707	ENSGACP00000024726	RNA binding motif protein 20 [Source:HGNC Symbol;Acc:HGNC:27424]	RBM20
ENSGACG00000003538	ENSGACP00000004628	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSGACG00000006523	ENSGACP00000008642	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSGACG00000001940	ENSGACP00000002531	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSGACG00000014495	ENSGACP00000019123	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWDD3
ENSGACG00000016739	ENSGACP00000022101	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSGACG00000020557	ENSGACP00000027179	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSGACG00000002038	ENSGACP00000002642	si:ch211-13315.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-13315.7
ENSGACG00000002313	ENSGACP00000003006	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSGACG00000012198	ENSGACP00000016139	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGACG00000013592	ENSGACP00000017968	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSGACG00000014337	ENSGACP00000018918	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSGACG00000002751	ENSGACP00000003602	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSGACG00000004182	ENSGACP00000005502	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29090]	SMCHD1
ENSGACG00000015899	ENSGACP00000020986	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSGACG000000014776	ENSGACP00000019510		socs7
ENSGACG00000006873	ENSGACP00000009107	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRNT
ENSGACG00000007257	ENSGACP00000009642	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSGACG00000011195	ENSGACP00000014805	trans-golgi network protein 2 [Source:HGNC Symbol;Acc:HGNC:15450]	TGOLN2
ENSGACG00000006985	ENSGACP00000009255	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSGACG00000003568	ENSGACP00000004671	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSGACG00000003118	ENSGACP00000004076	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSGACG00000012059	ENSGACP00000015959	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSGACG00000008661	ENSGACP00000011431	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSGACG00000016763	ENSGACP00000022139	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSGACG00000000691	ENSGACP00000000911	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSGACG00000016584	ENSGACP00000021897	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSGACG00000001530	ENSGACP00000001992	UBX domain protein 4 [Source:HGNC Symbol;Acc:HGNC:14860]	UBXN4
ENSGACG000000008137	ENSGACP00000010763	unc-79 homolog (C. elegans) [Source:HGNC Symbol;Acc:HGNC:19966]	UNC79
ENSGACG00000016938	ENSGACP00000022377	ubiquinol-cytochrome c reductase, complex III subunit X [Source:HGNC Symbol;Acc:HGNC:30863]	UQCR10
ENSGACG00000015406	ENSGACP00000020318	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSGACG00000006045	ENSGACP00000008000	zymogen granule protein 16B [Source:HGNC Symbol;Acc:HGNC:30456]	ZG16B
ENSGACG00000006012	ENSGACP00000007947	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSGACG00000017760	ENSGACP00000023465	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSGACG00000017853	ENSGACP000000023588	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSGACG00000000007	ENSGACP00000000007	novel gene	ENSGACG00000000007
ENSGACG00000000018	ENSGACP00000000024	novel gene	ENSGACG00000000018
ENSGACG000000000030	ENSGACP000000000042	novel gene	ENSGACG00000000030
ENSGACG000000000048	ENSGACP000000000063	novel gene	ENSGACG00000000048
ENSGACG000000000058	ENSGACP000000000076	novel gene	ENSGACG00000000058
ENSGACG000000000076	ENSGACP000000000093	novel gene	ENSGACG00000000076
ENSGACG000000000082	ENSGACP000000000101	novel gene	ENSGACG00000000082
ENSGACG000000000089	ENSGACP000000000109	novel gene	ENSGACG00000000089
ENSGACG000000000126	ENSGACP000000000167	novel gene	ENSGACG00000000126
ENSGACG000000000153	ENSGACP000000000203	novel gene	ENSGACG00000000153
ENSGACG000000000156	ENSGACP000000000208	novel gene	ENSGACG00000000156
ENSGACG000000000193	ENSGACP000000000249	novel gene	ENSGACG00000000193
ENSGACG000000000192	ENSGACP000000000250	novel gene	ENSGACG00000000192
ENSGACG000000000202	ENSGACP000000000260	novel gene	ENSGACG00000000202
ENSGACG000000000217	ENSGACP000000000281	novel gene	ENSGACG00000000217
ENSGACG000000000222	ENSGACP000000000287	novel gene	ENSGACG00000000222
ENSGACG000000000282	ENSGACP000000000353	novel gene	ENSGACG00000000282
ENSGACG000000000285	ENSGACP000000000359	novel gene	ENSGACG00000000285
ENSGACG000000000296	ENSGACP000000000377	novel gene	ENSGACG00000000296
ENSGACG000000000300	ENSGACP000000000384	novel gene	ENSGACG00000000300
ENSGACG000000000305	ENSGACP000000000386	novel gene	ENSGACG00000000305
ENSGACG000000000307	ENSGACP000000000389	novel gene	ENSGACG00000000307
ENSGACG000000000315	ENSGACP000000000399	novel gene	ENSGACG00000000315
ENSGACG000000000325	ENSGACP000000000411	novel gene	ENSGACG00000000325
ENSGACG000000000343	ENSGACP000000000433	novel gene	ENSGACG00000000343
ENSGACG000000000345	ENSGACP000000000435	novel gene	ENSGACG00000000345
ENSGACG000000000375	ENSGACP000000000480	novel gene	ENSGACG00000000375
ENSGACG000000000379	ENSGACP000000000484	novel gene	ENSGACG00000000379
ENSGACG000000000405	ENSGACP000000000520	novel gene	ENSGACG00000000405
ENSGACG000000000409	ENSGACP000000000526	novel gene	ENSGACG00000000409
ENSGACG000000000424	ENSGACP000000000545	novel gene	ENSGACG00000000424
ENSGACG000000000430	ENSGACP000000000551	novel gene	ENSGACG00000000430
ENSGACG000000000431	ENSGACP000000000552	novel gene	ENSGACG00000000431
ENSGACG000000000432	ENSGACP000000000553	novel gene	ENSGACG00000000432
ENSGACG000000000463	ENSGACP000000000588	novel gene	ENSGACG00000000463
ENSGACG000000000470	ENSGACP000000000599	novel gene	ENSGACG00000000470
ENSGACG000000000476	ENSGACP000000000609	novel gene	ENSGACG00000000476
ENSGACG000000000488	ENSGACP000000000622	novel gene	ENSGACG00000000488
ENSGACG000000000509	ENSGACP000000000652	novel gene	ENSGACG00000000509
ENSGACG000000000513	ENSGACP000000000657	novel gene	ENSGACG00000000513
ENSGACG000000000519	ENSGACP000000000661	novel gene	ENSGACG00000000519
ENSGACG000000000526	ENSGACP000000000674	novel gene	ENSGACG00000000526

ENSGACG00000020484	ENSGACP00000027089	novel gene	ENSGACG00000020484
ENSGACG00000020490	ENSGACP00000027096	novel gene	ENSGACG00000020490
ENSGACG00000020491	ENSGACP00000027097	novel gene	ENSGACG00000020491
ENSGACG00000020496	ENSGACP00000027103	novel gene	ENSGACG00000020496
ENSGACG00000020518	ENSGACP00000027130	novel gene	ENSGACG00000020518
ENSGACG00000020527	ENSGACP00000027140	novel gene	ENSGACG00000020527
ENSGACG00000020611	ENSGACP00000027261	novel gene	ENSGACG00000020611
ENSGACG00000020646	ENSGACP00000027308	novel gene	ENSGACG00000020646
ENSGACG00000020648	ENSGACP00000027310	novel gene	ENSGACG00000020648
ENSGACG00000020670	ENSGACP00000027336	novel gene	ENSGACG00000020670
ENSGACG00000020772	ENSGACP00000027465	novel gene	ENSGACG00000020772
ENSGACG00000020782	ENSGACP00000027478	novel gene	ENSGACG00000020782
ENSGACG00000020792	ENSGACP00000027492	novel gene	ENSGACG00000020792
ENSGACG00000020801	ENSGACP00000027502	novel gene	ENSGACG00000020801
ENSGACG00000020806	ENSGACP00000027508	novel gene	ENSGACG00000020806
ENSGACG00000020809	ENSGACP00000027511	novel gene	ENSGACG00000020809
ENSGACG00000020818	ENSGACP00000027524	novel gene	ENSGACG00000020818
ENSGACG00000020828	ENSGACP00000027537	novel gene	ENSGACG00000020828
ENSGACG00000020833	ENSGACP00000027544	novel gene	ENSGACG00000020833
ENSGACG00000020852	ENSGACP00000027570	novel gene	ENSGACG00000020852
ENSGACG00000020860	ENSGACP00000027581	novel gene	ENSGACG00000020860
ENSGACG00000020868	ENSGACP00000027592	novel gene	ENSGACG00000020868
ENSGACG00000020881	ENSGACP00000027609	novel gene	ENSGACG00000020881
ENSGACG00000020882	ENSGACP00000027610	novel gene	ENSGACG00000020882
ENSGACG00000020886	ENSGACP00000027618	novel gene	ENSGACG00000020886
ENSGACG00000020891	ENSGACP00000027625	novel gene	ENSGACG00000020891
ENSGACG00000020893	ENSGACP00000027627	novel gene	ENSGACG00000020893
ENSGACG00000020898	ENSGACP00000027632	novel gene	ENSGACG00000020898

Supplemental table 21. Tetraodon specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTNIG00000000444	ENSTNIP00000000843	aprataxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSTNIG00000001285	ENSTNIP00000001845	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3COS9]	ASIP2
ENSTNIG00000017395	ENSTNIP00000020534	autophagy related 2B [Source:HGNC Symbol;Acc:HGNC:20187]	ATG2B
ENSTNIG00000002449	ENSTNIP00000004981	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:19846]	C14orf37
ENSTNIG00000000770	ENSTNIP00000001240	chromosome 16 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:27558] Chromosome undetermined SCAF14965, whole genome shotgun sequence; Uncharacterized protein	C16orf91
ENSTNIG00000014252	ENSTNIP000000017266	[Source:UniProtKB/TrEMBL;Acc:Q4RZ56]	C3ORF14
ENSTNIG00000003051	ENSTNIP000000005621	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:26255]	C3orf52
ENSTNIG00000005724	ENSTNIP000000008435	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSTNIG00000003196	ENSTNIP000000005776	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSTNIG00000016491	ENSTNIP000000019590	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSTNIG00000013007	ENSTNIP000000015986	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:19437] Chromosome undetermined SCAF13836, whole genome shotgun sequence; Uncharacterized protein	CCNB1IP1
ENSTNIG00000006443	ENSTNIP000000009211	[Source:UniProtKB/TrEMBL;Acc:Q4SUX4]	CD3D
ENSTNIG00000016700	ENSTNIP000000019808	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSTNIG00000009437	ENSTNIP000000012309	Chromosome 5 SCAF14581, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SHZ5]	CENPQ
ENSTNIG00000014115	ENSTNIP000000017124	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSTNIG00000016698	ENSTNIP000000019806	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMM1D0
ENSTNIG00000007638	ENSTNIP000000010453	Chromosome 7 SCAF14536, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SPX5]	COX7B2
ENSTNIG00000009640	ENSTNIP000000012516	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910] Chromosome undetermined SCAF7971, whole genome shotgun sequence.; Uncharacterized protein	CPQ
ENSTNIG00000003605	ENSTNIP000000006198	[Source:UniProtKB/TrEMBL;Acc:Q4T7V7]	CRIPT
ENSTNIG00000015555	ENSTNIP000000018627	chitinase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTBS
ENSTNIG00000003203	ENSTNIP000000005783	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSTNIG00000008302	ENSTNIP000000011132	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DONSON
ENSTNIG00000008516	ENSTNIP000000011356	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSTNIG00000006611	ENSTNIP000000009387	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSTNIG000000010997	ENSTNIP000000013927	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSTNIG000000010998	ENSTNIP000000013929	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSTNIG00000009492	ENSTNIP000000012365	Chromosome 5 SCAF14581, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SHS5]	FAM103A1
ENSTNIG00000006955	ENSTNIP000000009754	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSTNIG00000011335	ENSTNIP000000014278	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSTNIG00000006725	ENSTNIP000000012266	family with sequence similarity 189, member A1 [Source:ZFIN;Acc:ZDB-GENE-040718-129] Chromosome undetermined SCAF10112, whole genome shotgun sequence; Uncharacterized protein	fam189a1
ENSTNIG00000004595	ENSTNIP000000007244	[Source:UniProtKB/TrEMBL;Acc:Q4T375]	FCER1G
ENSTNIG00000007811	ENSTNIP000000010631	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSTNIG00000000723	ENSTNIP000000002250	Gastrin; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q8AXP5]	GAS
ENSTNIG000000019849	ENSTNIP000000023119	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GCC2
ENSTNIG000000007691	ENSTNIP000000010507	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSTNIG00000016847	ENSTNIP000000019960	Chromosome 1 SCAF15008, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RP54]	GSTENG10000688001
ENSTNIG00000007261	ENSTNIP000000010065	Chromosome 11 SCAF14528, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SRD6]	GSTENG10003883001
ENSTNIG00000008838	ENSTNIP000000011689	Chromosome 13 SCAF14566, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SKA9]	GSTENG10005279001
ENSTNIG00000016433	ENSTNIP000000019531	Chromosome 2 SCAF15004, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQT8]	GSTENG10013022001
ENSTNIG00000011934	ENSTNIP000000014894	Chromosome 3 SCAF14707, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S8A2]	GSTENG10015208001
ENSTNIG00000002576	ENSTNIP000000005128	Chromosome undetermined SCAF7082, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4TBX5]	GSTENG10016604001
ENSTNIG00000005658	ENSTNIP000000008365	Chromosome undetermined SCAF12061, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SYH7]	GSTENG10022217001
ENSTNIG00000011238	ENSTNIP000000014176	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SAZ6]	GSTENG10022641001
ENSTNIG00000012198	ENSTNIP000000015163	Chromosome undetermined SCAF14721, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S776]	GSTENG10022900001
ENSTNIG00000012199	ENSTNIP000000015164	Chromosome undetermined SCAF14721, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S775]	GSTENG10022901001
ENSTNIG00000013856	ENSTNIP000000016860	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSTNIG00000014760	ENSTNIP000000017797	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hnga2
ENSTNIG00000002011	ENSTNIP000000004422	hydroletharus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSTNIG00000006008	ENSTNIP000000008749	idnK, gluconokinase homolog (E. coli) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSTNIG000000012623	ENSTNIP000000015595	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSTNIG00000017929	ENSTNIP000000021090	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSTNIG00000000265	ENSTNIP000000001285	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3B269] Chromosome undetermined SCAF7620, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4T993]	IL-18
ENSTNIG00000003251	ENSTNIP000000005834	[Source:UniProtKB/TrEMBL;Acc:Q4T993]	IL8
ENSTNIG00000017194	ENSTNIP000000020331	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	ISYNA1
ENSTNIG00000015373	ENSTNIP000000018437	izumo sperm-egg fusion 1 [Source:HGNC Symbol;Acc:HGNC:28539]	IZUMO1
ENSTNIG00000013473	ENSTNIP000000016468	junction mediating and regulatory protein, p53 cofactor [Source:ZFIN;Acc:ZDB-GENE-040426-2433]	jmy
ENSTNIG000000005528	ENSTNIP000000023001	lysine (K)-specific demethylase 6B, b [Source:ZFIN;Acc:ZDB-GENE-040724-166]	kdm6b

ENSTNIG0000002684	ENSTNIP0000005239	Chromosome 13 SCAF7124, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4TBH8]	KIAA0101
ENSTNIG00000006243	ENSTNIP00000008996	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSTNIG00000010730	ENSTNIP00000013650	lysosomal-associated membrane protein family, member 5 [Source:HGNC Symbol;Acc:HGNC:16097]	LAMP5
ENSTNIG00000000754	ENSTNIP00000003524	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSTNIG00000019648	ENSTNIP00000022890	MAK16 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-020419-35]	mak16
ENSTNIG00000009911	ENSTNIP00000012803	Chromosome 7 SCAF14601, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SG19]	MEDAG
ENSTNIG00000009044	ENSTNIP00000011900	melan-A [Source:HGNC Symbol;Acc:HGNC:7124] Chromosome undetermined SCAF9059, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4T5X0]	MLANA
ENSTNIG00000004037	ENSTNIP00000006647	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MPLKIP
ENSTNIG00000007771	ENSTNIP00000001735	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSTNIG00000018771	ENSTNIP00000021952	39S ribosomal protein L33, mitochondrial [Source:UniProtKB/Swiss-Prot;Acc:Q4RGM4]	MRPL33
ENSTNIG00000008823	ENSTNIP00000011674	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTNIG00000015309	ENSTNIP00000018372	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSTNIG00000008155	ENSTNIP00000010981	Chromosome 6 SCAF14544, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SMZ4] Chromosome undetermined SCAF12930, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SX67]	NDUFB4
ENSTNIG00000005944	ENSTNIP00000008679	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NDUFC1
ENSTNIG00000017250	ENSTNIP00000020387	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSTNIG00000003334	ENSTNIP00000005920	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSTNIG00000007404	ENSTNIP00000010210	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NT5C
ENSTNIG00000012654	ENSTNIP00000015627	PRKC, apoptosis, WT1, regulator [Source:ZFIN;Acc:ZDB-GENE-041010-108]	pawr
ENSTNIG00000017295	ENSTNIP00000020433	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSTNIG00000007460	ENSTNIP00000010268	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSTNIG00000017490	ENSTNIP00000020634	podocalyxin-like 2 [Source:HGNC Symbol;Acc:HGNC:17936]	PODXL2
ENSTNIG00000014369	ENSTNIP00000017386	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSTNIG000000001517	ENSTNIP00000002193	pancreatic progenitor cell differentiation and proliferation factor b [Source:ZFIN;Acc:ZDB-GENE-030131-8247]	ppdpfb
ENSTNIG00000006574	ENSTNIP00000009348	phosphoserine-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSTNIG00000017507	ENSTNIP00000020651	Nicotinate-nucleotide pyrophosphorylase [carboxylating] [Source:UniProtKB/TrEMBL;Acc:Q4RLG4]	QPRT
ENSTNIG00000013740	ENSTNIP00000016742	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSTNIG00000001523	ENSTNIP00000001041	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSTNIG00000001242	ENSTNIP00000002537	receptor (chemosensory) transporter protein 4 [Source:HGNC Symbol;Acc:HGNC:23992]	RTP4
ENSTNIG00000006399	ENSTNIP00000009166	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21393]	RWDD3
ENSTNIG00000004240	ENSTNIP00000006865	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSTNIG00000009027	ENSTNIP00000011883	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSTNIG00000003131	ENSTNIP00000005703	si:ch211-167j9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-196]	si:ch211-167j9.4
ENSTNIG00000012508	ENSTNIP00000001645	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSTNIG00000000872	ENSTNIP00000000802	sidkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkkey-126g1.9
ENSTNIG00000003217	ENSTNIP00000005799	sidkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkkey-57k2.6
ENSTNIG00000006347	ENSTNIP00000009108	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	SIL1
ENSTNIG00000017854	ENSTNIP00000021013	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSTNIG000000018419	ENSTNIP00000021588	spermatogenesis and centriole associated 1 [Source:HGNC Symbol;Acc:HGNC:30510]	SPATC1
ENSTNIG00000001931	ENSTNIP00000004317	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTN
ENSTNIG00000008549	ENSTNIP00000011389	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HGNC:26729]	SRRM3
ENSTNIG00000016519	ENSTNIP00000019619	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSTNIG00000009017	ENSTNIP00000011873	surfeit 2 [Source:HGNC Symbol;Acc:HGNC:11475]	SURF2
ENSTNIG00000000605	ENSTNIP00000000122	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWG4]	TF2
ENSTNIG00000002015	ENSTNIP00000004429	transcription factor AP-4 (activating enhancer binding protein 4) [Source:HGNC Symbol;Acc:HGNC:11745]	TFAP4
ENSTNIG00000010386	ENSTNIP00000013293	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704] Chromosome 12 SCAF14993, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUP3]	TICRR
ENSTNIG00000015432	ENSTNIP00000018501	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM167A
ENSTNIG00000004869	ENSTNIP00000007532	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM42
ENSTNIG00000012118	ENSTNIP00000015081	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSTNIG00000009417	ENSTNIP00000012287	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPP2C1
ENSTNIG00000002945	ENSTNIP00000005513	tetraspanin 19 [Source:HGNC Symbol;Acc:HGNC:31886]	TSPAN19
ENSTNIG00000002865	ENSTNIP00000005431	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148] Chromosome 18 SCAF14547, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SM16]	TYMP
ENSTNIG00000008267	ENSTNIP00000011097	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CY07]	UBL5
ENSTNIG00000010241	ENSTNIP000000013142	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CY07]	V1R1
ENSTNIG00000001594	ENSTNIP00000000095	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSTNIG00000019691	ENSTNIP00000022936	zinc finger, C3H1-type containing [Source:HGNC Symbol;Acc:HGNC:28328]	ZFC3H1
ENSTNIG00000019095	ENSTNIP00000022289	zymogen granule protein 16B [Source:HGNC Symbol;Acc:HGNC:30456]	ZG16B
ENSTNIG00000017478	ENSTNIP00000020622	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSTNIG00000002399	ENSTNIP00000004910	zgc:172139 [Source:ZFIN;Acc:ZDB-GENE-080204-49]	zgc:172139
ENSTNIG00000001415	ENSTNIP00000002222	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSTNIG00000001371	ENSTNIP00000000016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVK4]	ENSTNIG00000001371
ENSTNIG00000001069	ENSTNIP000000000044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVN2]	ENSTNIG00000001069
ENSTNIG00000000869	ENSTNIP000000000085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BV53]	ENSTNIG00000000869
ENSTNIG00000001734	ENSTNIP00000000118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVV6]	ENSTNIG00000001734
ENSTNIG00000001579	ENSTNIP000000000150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVY8]	ENSTNIG00000001579
ENSTNIG00000000461	ENSTNIP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW07]	ENSTNIG00000000461
ENSTNIG00000001332	ENSTNIP00000000179	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW17]	ENSTNIG00000001332
ENSTNIG00000000995	ENSTNIP00000000203	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW41]	ENSTNIG00000000995
ENSTNIG00000000405	ENSTNIP00000000243	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW81]	ENSTNIG00000000405
ENSTNIG00000001434	ENSTNIP00000000263	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWA1]	ENSTNIG00000001434
ENSTNIG00000000636	ENSTNIP00000000305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWE3]	ENSTNIG00000000636
ENSTNIG00000000424	ENSTNIP00000000380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW18]	ENSTNIG00000000424
ENSTNIG00000001341	ENSTNIP00000000385	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWM3]	ENSTNIG00000001341

ENSTNIG0000000002	ENSTNIP00000003408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C589]	ENSTNIG0000000002
ENSTNIG0000001165	ENSTNIP00000003433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C584]	ENSTNIG00000001165
ENSTNIG00000000534	ENSTNIP00000003452	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5D3]	ENSTNIG00000000534
ENSTNIG0000001301	ENSTNIP00000003458	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5D9]	ENSTNIG0000001301
ENSTNIG00000000958	ENSTNIP00000003501	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I2]	ENSTNIG00000000958
ENSTNIG00000001433	ENSTNIP00000003504	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I5]	ENSTNIG00000001433
ENSTNIG00000001507	ENSTNIP00000003544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXX1]	ENSTNIG00000001507
ENSTNIG00000000578	ENSTNIP00000003583	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BX19]	ENSTNIG00000000578
ENSTNIG00000003659	ENSTNIP00000003639	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXA6]	ENSTNIG00000003659
ENSTNIG00000000668	ENSTNIP00000003674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C604]	ENSTNIG00000000668
ENSTNIG00000001823	ENSTNIP00000003680	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BR4]	ENSTNIG00000001823
ENSTNIG00000000481	ENSTNIP00000003721	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C651]	ENSTNIG00000000481
ENSTNIG0000000138	ENSTNIP00000003730	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C660]	ENSTNIG0000000138
ENSTNIG00000000374	ENSTNIP00000003794	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6C4]	ENSTNIG00000000374
ENSTNIG00000000308	ENSTNIP00000003823	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6F3]	ENSTNIG00000000308
ENSTNIG00000000682	ENSTNIP00000003860	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6J0]	ENSTNIG00000000682
ENSTNIG00000001666	ENSTNIP00000003897	novel gene		ENSTNIG00000001666
ENSTNIG00000001616	ENSTNIP00000003928	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYL4]	ENSTNIG00000001616
ENSTNIG00000000679	ENSTNIP00000003976	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6V5]	ENSTNIG00000000679
ENSTNIG00000000504	ENSTNIP00000004101	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C780]	ENSTNIG00000000504
ENSTNIG00000001860	ENSTNIP00000004234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7L2]	ENSTNIG00000001860
ENSTNIG00000001875	ENSTNIP00000004250	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7M8]	ENSTNIG00000001875
ENSTNIG00000001893	ENSTNIP00000004268	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7P6]	ENSTNIG00000001893
ENSTNIG00000001972	ENSTNIP00000004369	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7Z7]	ENSTNIG00000001972
ENSTNIG00000002007	ENSTNIP00000004418	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C846]	ENSTNIG00000002007
ENSTNIG00000002079	ENSTNIP00000004510	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8D8]	ENSTNIG00000002079
ENSTNIG00000002215	ENSTNIP00000004670	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8U8]	ENSTNIG00000002215
ENSTNIG00000000078	ENSTNIP00000004678	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZG8]	ENSTNIG00000000078
ENSTNIG00000002238	ENSTNIP00000004698	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8X6]	ENSTNIG00000002238
ENSTNIG00000002283	ENSTNIP00000004756	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C934]	ENSTNIG00000002283
ENSTNIG00000002324	ENSTNIP00000004809	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3I6]	ENSTNIG00000002324
ENSTNIG00000006184	ENSTNIP00000004875	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9F3]	ENSTNIG00000006184
ENSTNIG00000002452	ENSTNIP00000004987	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9R5]	ENSTNIG00000002452
ENSTNIG00000002517	ENSTNIP00000005067	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9Z5]	ENSTNIG00000002517
		Chromosome undetermined SCAF7053, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000002521	ENSTNIP00000005072		[Source:UniProtKB/TrEMBL;Acc:Q4TC45]	ENSTNIG00000002521
ENSTNIG00000002827	ENSTNIP00000005391	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAW9]	ENSTNIG00000002827
ENSTNIG00000002835	ENSTNIP00000005400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAX8]	ENSTNIG00000002835
ENSTNIG00000002842	ENSTNIP00000005407	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAY5]	ENSTNIG00000002842
ENSTNIG00000002867	ENSTNIP00000005433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CB11]	ENSTNIG00000002867
ENSTNIG00000002907	ENSTNIP00000005475	novel gene		ENSTNIG00000002907
ENSTNIG00000001861	ENSTNIP00000005493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZQ7]	ENSTNIG00000001861
ENSTNIG00000003160	ENSTNIP00000005736	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CBW4]	ENSTNIG00000003160
ENSTNIG00000003218	ENSTNIP00000005800	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CC28]	ENSTNIG00000003218
		Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000003244	ENSTNIP00000005827		[Source:UniProtKB/TrEMBL;Acc:Q4T9A1]	ENSTNIG00000003244
		Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000003245	ENSTNIP00000005828		[Source:UniProtKB/TrEMBL;Acc:Q4T9A0]	ENSTNIG00000003245
ENSTNIG00000003329	ENSTNIP00000005915	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CCE3]	ENSTNIG00000003329
ENSTNIG00000003700	ENSTNIP00000006299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDH6]	ENSTNIG00000003700
ENSTNIG00000003750	ENSTNIP00000006350	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDM7]	ENSTNIG00000003750
ENSTNIG00000003796	ENSTNIP00000006396	Chromosome 2 SCAF8387, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T713]	ENSTNIG00000003796
ENSTNIG00000003813	ENSTNIP00000006414	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDU0]	ENSTNIG00000003813
		Chromosome undetermined SCAF8631, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000003845	ENSTNIP00000006447		[Source:UniProtKB/TrEMBL;Acc:Q4T6S2]	ENSTNIG00000003845
ENSTNIG00000003912	ENSTNIP00000006519	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE45]	ENSTNIG00000003912
		Chromosome undetermined SCAF8929, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000003980	ENSTNIP00000006589		[Source:UniProtKB/TrEMBL;Acc:Q4T6S3]	ENSTNIG00000003980
		Chromosome undetermined SCAF9151, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000004070	ENSTNIP00000006681		[Source:UniProtKB/TrEMBL;Acc:Q4T5R4]	ENSTNIG00000004070
ENSTNIG00000004105	ENSTNIP00000006722	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CEP8]	ENSTNIG00000004105
ENSTNIG00000004128	ENSTNIP00000006745	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CES1]	ENSTNIG00000004128
ENSTNIG00000004272	ENSTNIP00000006901	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CF77]	ENSTNIG00000004272
ENSTNIG00000004625	ENSTNIP00000007276	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CG99]	ENSTNIG00000004625
ENSTNIG00000004926	ENSTNIP00000007591	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CH63]	ENSTNIG00000004926
		Chromosome undetermined SCAF10538, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000004965	ENSTNIP00000007630		[Source:UniProtKB/TrEMBL;Acc:Q4T1N3]	ENSTNIG00000004965
ENSTNIG00000005236	ENSTNIP00000007913	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY40]	ENSTNIG00000005236
ENSTNIG00000005240	ENSTNIP00000007917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7H3]	ENSTNIG00000005240
ENSTNIG00000005274	ENSTNIP00000007953	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CI75]	ENSTNIG00000005274
ENSTNIG00000005294	ENSTNIP00000007974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CBX9]	ENSTNIG00000005294
ENSTNIG00000005310	ENSTNIP00000007991	Xylose isomerase	[Source:UniProtKB/TrEMBL;Acc:Q4T049]	ENSTNIG00000005310
ENSTNIG00000005408	ENSTNIP00000008094	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIL6]	ENSTNIG00000005408
ENSTNIG00000005434	ENSTNIP00000008122	Chromosome 21 SCAF11596, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SZK5]	ENSTNIG00000005434
ENSTNIG00000005435	ENSTNIP00000008123	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIP5]	ENSTNIG00000005435
ENSTNIG00000005637	ENSTNIP00000008342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIB3]	ENSTNIG00000005637
ENSTNIG00000005739	ENSTNIP00000008452	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIM3]	ENSTNIG00000005739

ENSTNIG0000005775	ENSTNIP00000008491	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CJR2]	ENSTNIG0000005775
ENSTNIG0000005812	ENSTNIP00000008534	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3T5]	ENSTNIG0000005812
ENSTNIG0000005939	ENSTNIP00000008674	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CK95]	ENSTNIG0000005939
ENSTNIG0000005958	ENSTNIP00000008693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CKB4]	ENSTNIG0000005958
ENSTNIG0000005972	ENSTNIP00000008709	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CKD0]	ENSTNIG0000005972
ENSTNIG0000006048	ENSTNIP00000008791	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CKL2]	ENSTNIG0000006048
ENSTNIG0000006087	ENSTNIP00000008831	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQK2]	ENSTNIG0000006087
ENSTNIG0000006170	ENSTNIP00000008918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CKY9]	ENSTNIG0000006170
ENSTNIG0000006223	ENSTNIP00000008973	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CL44] Chromosome undetermined SCAF13751, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000006223
ENSTNIG0000006275	ENSTNIP00000009034	[Source:UniProtKB/TrEMBL;Acc:Q45VM3]	ENSTNIG0000006275
ENSTNIG0000006419	ENSTNIP00000009187	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CLQ8] Chromosome undetermined SCAF13844, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000006419
ENSTNIG0000006498	ENSTNIP00000009267	[Source:UniProtKB/TrEMBL;Acc:Q45UQ9]	ENSTNIG0000006498
ENSTNIG0000006510	ENSTNIP00000009280	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CM00] Chromosome undetermined SCAF14010, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000006510
ENSTNIG0000006614	ENSTNIP00000009391	[Source:UniProtKB/TrEMBL;Acc:Q45U61] Chromosome undetermined SCAF14317, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000006614
ENSTNIG0000006852	ENSTNIP00000009645	[Source:UniProtKB/TrEMBL;Acc:Q45T21]	ENSTNIG0000006852
ENSTNIG0000006983	ENSTNIP00000009783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CNF2]	ENSTNIG0000006983
ENSTNIG0000007168	ENSTNIP00000009970	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CNY7] Chromosome undetermined SCAF14506, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000007168
ENSTNIG0000007200	ENSTNIP00000010003	[Source:UniProtKB/TrEMBL;Acc:Q45RN3] Chromosome undetermined SCAF14526, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000007200
ENSTNIG0000007245	ENSTNIP00000010048	[Source:UniProtKB/TrEMBL;Acc:Q45RG5]	ENSTNIG0000007245
ENSTNIG0000007269	ENSTNIP00000010073	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CP90]	ENSTNIG0000007269
ENSTNIG0000007393	ENSTNIP00000010199	Chromosome 1 SCAF14529, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q45QV7]	ENSTNIG0000007393
ENSTNIG0000007515	ENSTNIP00000010324	novel gene	ENSTNIG0000007515
ENSTNIG0000007618	ENSTNIP00000010433	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000007618
ENSTNIG0000007640	ENSTNIP00000010455	Chromosome 7 SCAF14536, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q45PX3]	ENSTNIG0000007640
ENSTNIG0000007643	ENSTNIP00000010458	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQC4]	ENSTNIG0000007643
ENSTNIG0000007767	ENSTNIP00000010585	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQJ1]	ENSTNIG0000007767
ENSTNIG0000007781	ENSTNIP00000010600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQR6] Chromosome 15 SCAF14542, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000007781
ENSTNIG0000007808	ENSTNIP00000010628	[Source:UniProtKB/TrEMBL;Acc:Q45P95]	ENSTNIG0000007808
ENSTNIG0000007827	ENSTNIP00000010647	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQW3]	ENSTNIG0000007827
ENSTNIG0000008009	ENSTNIP00000010831	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CRE7]	ENSTNIG0000008009
ENSTNIG0000008462	ENSTNIP00000011298	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CSR4] Chromosome undetermined SCAF14565, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000008462
ENSTNIG0000008701	ENSTNIP00000011551	[Source:UniProtKB/TrEMBL;Acc:Q45KU5]	ENSTNIG0000008701
ENSTNIG0000008908	ENSTNIP00000011761	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CU27]	ENSTNIG0000008908
ENSTNIG0000009038	ENSTNIP00000011894	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CUG0]	ENSTNIG0000009038
ENSTNIG0000009118	ENSTNIP00000011978	Chromosome 4 SCAF14575, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q45J74]	ENSTNIG0000009118
ENSTNIG0000009128	ENSTNIP00000011988	novel gene	ENSTNIG0000009128
ENSTNIG0000009160	ENSTNIP00000012021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CUT7]	ENSTNIG0000009160
ENSTNIG0000009229	ENSTNIP00000012094	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CV10]	ENSTNIG0000009229
ENSTNIG0000009422	ENSTNIP00000012292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CVK8]	ENSTNIG0000009422
ENSTNIG0000009760	ENSTNIP00000012647	Chromosome 3 SCAF14593, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q45GN1]	ENSTNIG0000009760
ENSTNIG0000009813	ENSTNIP00000012701	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CWR7]	ENSTNIG0000009813
ENSTNIG0000009932	ENSTNIP00000012824	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CX39] Chromosome undetermined SCAF14608, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000009932
ENSTNIG0000010155	ENSTNIP00000013053	[Source:UniProtKB/TrEMBL;Acc:Q45F58]	ENSTNIG0000010155
ENSTNIG0000010294	ENSTNIP00000013197	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CY62]	ENSTNIG0000010294
ENSTNIG0000010356	ENSTNIP00000013262	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYC7]	ENSTNIG0000010356
ENSTNIG0000010455	ENSTNIP00000013364	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYM9]	ENSTNIG0000010455
ENSTNIG0000010491	ENSTNIP00000013400	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYR5] Chromosome 18 SCAF14637, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000010491
ENSTNIG0000010566	ENSTNIP00000013478	[Source:UniProtKB/TrEMBL;Acc:Q45DK4]	ENSTNIG0000010566
ENSTNIG0000010567	ENSTNIP00000013479	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYZ4]	ENSTNIG0000010567
ENSTNIG0000010626	ENSTNIP00000013539	Chromosome 1 SCAF14640, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q45DD2] Chromosome 14 SCAF14646, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000010626
ENSTNIG0000010740	ENSTNIP00000013660	[Source:UniProtKB/TrEMBL;Acc:Q45CX2]	ENSTNIG0000010740
ENSTNIG0000010799	ENSTNIP00000013724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CZN8] Chromosome undetermined SCAF14653, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000010799
ENSTNIG0000010833	ENSTNIP00000013763	[Source:UniProtKB/TrEMBL;Acc:Q45CI5]	ENSTNIG0000010833
ENSTNIG0000010940	ENSTNIP00000013870	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D034]	ENSTNIG0000010940
ENSTNIG0000011040	ENSTNIP00000013975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0D9] Chromosome 15 SCAF14667, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000011040
ENSTNIG0000011054	ENSTNIP00000013990	[Source:UniProtKB/TrEMBL;Acc:Q45BN6]	ENSTNIG0000011054
ENSTNIG0000011059	ENSTNIP00000013995	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0F9] Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein	ENSTNIG0000011059
ENSTNIG0000011246	ENSTNIP00000014185	[Source:UniProtKB/TrEMBL;Acc:Q45AY6]	ENSTNIG0000011246
ENSTNIG0000011642	ENSTNIP00000014594	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D256]	ENSTNIG0000011642
ENSTNIG0000011730	ENSTNIP00000014681	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D2E3]	ENSTNIG0000011730

ENSTNIG00000011913	ENSTNIP00000014872	Chromosome undetermined SCAF14706, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S8C7]	ENSTNIG00000011913
ENSTNIG00000012100	ENSTNIP00000015064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D3H6]	ENSTNIG00000012100
ENSTNIG00000012292	ENSTNIP00000015260	Chromosome 14 SCAF14723, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S6V1]	ENSTNIG00000012292
ENSTNIG00000012532	ENSTNIP00000015501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D4R2]	ENSTNIG00000012532
ENSTNIG00000012598	ENSTNIP00000015569	Chromosome 9 SCAF14729, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S5L8]	ENSTNIG00000012598
ENSTNIG00000012882	ENSTNIP00000015858	Chromosome 2 SCAF14738, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S4I7]	ENSTNIG00000012882
ENSTNIG00000012920	ENSTNIP00000015900	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D5W0]	ENSTNIG00000012920
ENSTNIG00000013142	ENSTNIP00000016124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D6I4]	ENSTNIG00000013142
ENSTNIG00000013234	ENSTNIP00000016217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D6S6]	ENSTNIG00000013234
ENSTNIG00000013300	ENSTNIP00000016290	Chromosome 8 SCAF14759, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S2X2]	ENSTNIG00000013300
ENSTNIG00000013684	ENSTNIP00000016684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D843]	ENSTNIG00000013684
ENSTNIG00000013724	ENSTNIP00000016725	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D884]	ENSTNIG00000013724
ENSTNIG00000013893	ENSTNIP00000016898	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S0L5]	ENSTNIG00000013893
ENSTNIG00000013895	ENSTNIP00000016900	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S0L3]	ENSTNIG00000013895
ENSTNIG00000013922	ENSTNIP00000016927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D8T6]	ENSTNIG00000013922
ENSTNIG00000014047	ENSTNIP00000017054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D9G3]	ENSTNIG00000014047
ENSTNIG00000014231	ENSTNIP00000017245	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D9Q4]	ENSTNIG00000014231
ENSTNIG00000014457	ENSTNIP00000017476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DAD5]	ENSTNIG00000014457
ENSTNIG00000014793	ENSTNIP00000017831	Chromosome 11 SCAF14979, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RX47]	ENSTNIG00000014793
ENSTNIG00000014830	ENSTNIP00000017871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBH9]	ENSTNIG00000014830
ENSTNIG00000014897	ENSTNIP00000017941	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBP8]	ENSTNIG00000014897
ENSTNIG00000015323	ENSTNIP00000018386	Chromosome 15 SCAF14992, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RV41]	ENSTNIG00000015323
ENSTNIG00000015361	ENSTNIP00000018425	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD32]	ENSTNIG00000015361
ENSTNIG00000015375	ENSTNIP00000018439	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD46]	ENSTNIG00000015375
ENSTNIG00000015376	ENSTNIP00000018440	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWE6]	ENSTNIG00000015376
ENSTNIG00000015427	ENSTNIP00000018496	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUP9]	ENSTNIG00000015427
ENSTNIG00000015428	ENSTNIP00000018497	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUP8]	ENSTNIG00000015428
ENSTNIG00000015429	ENSTNIP00000018498	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUP7]	ENSTNIG00000015429
ENSTNIG0000000298	ENSTNIP00000018516	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DDC3]	ENSTNIG0000000298
ENSTNIG00000015685	ENSTNIP00000018760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DE17]	ENSTNIG00000015685
ENSTNIG00000015712	ENSTNIP00000018787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DE44]	ENSTNIG00000015712
ENSTNIG00000015722	ENSTNIP00000018797	Chromosome 1 SCAF14998, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RTI4]	ENSTNIG00000015722
ENSTNIG00000015860	ENSTNIP00000018945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEK2]	ENSTNIG00000015860
ENSTNIG00000015906	ENSTNIP00000018991	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEP8]	ENSTNIG00000015906
ENSTNIG00000015963	ENSTNIP00000019051	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEV7]	ENSTNIG00000015963
ENSTNIG00000015987	ENSTNIP00000019076	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEY2]	ENSTNIG00000015987
ENSTNIG00000015996	ENSTNIP00000019085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEZ1]	ENSTNIG00000015996
ENSTNIG00000016177	ENSTNIP00000019268	Chromosome 16 SCAF15002, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RRT3]	ENSTNIG00000016177
ENSTNIG00000016246	ENSTNIP00000019339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DFP5]	ENSTNIG00000016246
ENSTNIG00000016718	ENSTNIP00000019828	Chromosome 12 SCAF15007, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RPP7]	ENSTNIG00000016718
ENSTNIG00000016787	ENSTNIP00000019901	novel gene	ENSTNIG00000016787
ENSTNIG00000016868	ENSTNIP00000019981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHI7]	ENSTNIG00000016868
ENSTNIG00000017015	ENSTNIP00000020141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHZ7]	ENSTNIG00000017015
ENSTNIG00000017047	ENSTNIP00000020175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DI31]	ENSTNIG00000017047
ENSTNIG00000017146	ENSTNIP00000020281	Chromosome 6 SCAF15017, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RMX9]	ENSTNIG00000017146
ENSTNIG00000017170	ENSTNIP00000020307	Chromosome 3 SCAF15018, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RMU0]	ENSTNIG00000017170
ENSTNIG00000017637	ENSTNIP00000020785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DJT9]	ENSTNIG00000017637
ENSTNIG00000017724	ENSTNIP00000020874	Chromosome 18 SCAF15027, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RKM3]	ENSTNIG00000017724
ENSTNIG00000017810	ENSTNIP00000020966	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKC0]	ENSTNIG00000017810
ENSTNIG00000017956	ENSTNIP00000021118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKS1]	ENSTNIG00000017956
ENSTNIG00000017986	ENSTNIP00000021150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKV2]	ENSTNIG00000017986
ENSTNIG00000018458	ENSTNIP00000021632	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RHU0]	ENSTNIG00000018458
ENSTNIG00000018499	ENSTNIP00000021673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DMC5]	ENSTNIG00000018499
ENSTNIG00000018510	ENSTNIP00000021684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DMD6]	ENSTNIG00000018510
ENSTNIG00000018676	ENSTNIP00000021853	Chromosome undetermined SCAF15077, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RH08]	ENSTNIG00000018676
ENSTNIG00000018711	ENSTNIP00000021890	Chromosome undetermined SCAF15091, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RGV8]	ENSTNIG00000018711
ENSTNIG00000018861	ENSTNIP00000022046	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNE7]	ENSTNIG00000018861
ENSTNIG00000018978	ENSTNIP00000022166	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNR7]	ENSTNIG00000018978

ENSTNIG00000019139	ENSTNIP00000022336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DP87]	ENSTNIG00000019139
ENSTNIG00000019146	ENSTNIP00000022343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DP94]	ENSTNIG00000019146
		Chromosome 13 SCAF15122, whole genome shotgun sequence; Uncharacterized protein	
ENSTNIG00000019233	ENSTNIP00000022433	[Source:UniProtKB/TrEMBL;Acc:Q4RET8]	ENSTNIG00000019233
ENSTNIG00000019242	ENSTNIP00000022442	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DPJ3]	ENSTNIG00000019242
ENSTNIG00000019426	ENSTNIP00000022633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ34]	ENSTNIG00000019426
ENSTNIG00000019427	ENSTNIP00000022634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ35]	ENSTNIG00000019427
		Chromosome undetermined SCAF17131, whole genome shotgun sequence; Uncharacterized protein	
ENSTNIG00000019442	ENSTNIP00000022655	[Source:UniProtKB/TrEMBL;Acc:Q4RD86]	ENSTNIG00000019442
ENSTNIG00000019528	ENSTNIP00000022753	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQF4]	ENSTNIG00000019528
ENSTNIG00000019682	ENSTNIP00000022927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQX8]	ENSTNIG00000019682
ENSTNIG00000019690	ENSTNIP00000022935	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQY6]	ENSTNIG00000019690
ENSTNIG00000019739	ENSTNIP00000022990	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR41]	ENSTNIG00000019739
ENSTNIG00000019764	ENSTNIP00000023025	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR76]	ENSTNIG00000019764
ENSTNIG00000019812	ENSTNIP00000023077	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRC7]	ENSTNIG00000019812
		Chromosome undetermined SCAF25572, whole genome shotgun sequence.; Uncharacterized protein	
ENSTNIG00000019839	ENSTNIP00000023108	[Source:UniProtKB/TrEMBL;Acc:Q4R9Q4]	ENSTNIG00000019839

Supplemental table 22. Tilapia specific genes compared to zebrafish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSONIG00000013069	ENSONIP00000016436	abhydrolase domain containing 16A [Source:ZFIN;Acc:ZDB-GENE-010601-2]	abhd16a
ENSONIG00000003590	ENSONIP00000004516	Agouti signaling peptide 2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J6M6]	ASIP2
ENSONIG00000021043	ENSONIP00000026346	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSONIG00000006458	ENSONIP00000008142	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:27568]	C17orf58
ENSONIG00000003498	ENSONIP00000004406	chromosome 19 open reading frame 12 [Source:HGNC Symbol;Acc:HGNC:25443]	C19orf12
ENSONIG00000004431	ENSONIP00000005577	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSONIG00000013850	ENSONIP00000017415	chromosome 7 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26107]	C7orf63
ENSONIG00000010378	ENSONIP00000013043	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:22564]	C7orf72
ENSONIG00000001511	ENSONIP00000001890	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:27232]	C8orf37
ENSONIG00000015042	ENSONIP00000018935	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HGNC:28599]	CCDC112
ENSONIG00000012478	ENSONIP00000015714	coiled-coil domain containing 122 [Source:HGNC Symbol;Acc:HGNC:26478]	CCDC122
ENSONIG00000008955	ENSONIP00000011255	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGNC:25191]	CCDC148
ENSONIG00000012796	ENSONIP00000016108	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGNC:34438]	CCDC152
ENSONIG00000016909	ENSONIP00000021322	coiled-coil domain containing 158 [Source:HGNC Symbol;Acc:HGNC:26374]	CCDC158
ENSONIG00000003371	ENSONIP00000004245	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:26281]	CCDC81
ENSONIG00000020376	ENSONIP00000025678	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSONIG00000014479	ENSONIP00000018209	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:1795]	CDO1
ENSONIG00000006436	ENSONIP00000008115	centrosomal protein 95kDa [Source:HGNC Symbol;Acc:HGNC:25141]	CEP95
ENSONIG00000014485	ENSONIP00000018218	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30201]	COMMMD10
ENSONIG00000006829	ENSONIP00000008616	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	CPQ
ENSONIG00000007385	ENSONIP00000009313	chitinase, di-N-acetyl- [Source:HGNC Symbol;Acc:HGNC:2496]	CTBS
ENSONIG00000020481	ENSONIP00000025786	chromosome X open reading frame 21 [Source:HGNC Symbol;Acc:HGNC:25667]	CXorf21
ENSONIG00000007544	ENSONIP00000009514	dynactin 6 [Source:HGNC Symbol;Acc:HGNC:16964]	DCTN6
ENSONIG00000004909	ENSONIP00000006172	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2993]	DN SON
ENSONIG00000009597	ENSONIP00000012058	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	EFCAB14
ENSONIG00000003328	ENSONIP00000004188	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	ENDOV
ENSONIG00000019420	ENSONIP00000024445	Ellis van Creveld syndrome [Source:HGNC Symbol;Acc:HGNC:3497]	EVC
ENSONIG00000019422	ENSONIP00000024447	Ellis van Creveld syndrome 2 [Source:HGNC Symbol;Acc:HGNC:19747]	EVC2
ENSONIG00000015081	ENSONIP00000018982	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:ZFIN;Acc:ZDB-GENE-030131-1091]	fah
ENSONIG00000019214	ENSONIP00000024186	family with sequence similarity 159, member A [Source:HGNC Symbol;Acc:HGNC:28757]	FAM159A
ENSONIG00000014894	ENSONIP00000018750	family with sequence similarity 187, member B [Source:HGNC Symbol;Acc:HGNC:26366]	FAM187B
ENSONIG00000004835	ENSONIP00000006083	family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:25483]	FAM64A
ENSONIG00000004826	ENSONIP00000006074	F-box protein 39 [Source:HGNC Symbol;Acc:HGNC:28565]	FBXO39
ENSONIG00000004325	ENSONIP00000005452	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	FBXO47
ENSONIG00000010717	ENSONIP00000013473	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	FYTTD1
ENSONIG00000004335	ENSONIP00000005463	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23218]	GGC2
ENSONIG00000011023	ENSONIP00000013869	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JYC4]	GNRH1
ENSONIG00000003540	ENSONIP00000004457	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC:23627]	GPR149
ENSONIG00000019873	ENSONIP00000025016	general transcription factor IIC, polypeptide 1, alpha 220kDa [Source:HGNC Symbol;Acc:HGNC:4664]	GTF3C1
ENSONIG00000000679	ENSONIP00000000859	guanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:HGNC:4682]	GUCA2A
ENSONIG00000012908	ENSONIP00000016243	HAUS augmin-like complex, subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	HAUS3
ENSONIG00000016976	ENSONIP00000021408	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSONIG00000004017	ENSONIP00000005064	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSONIG00000000138	ENSONIP00000000173	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:HGNC:26558]	HYLS1
ENSONIG00000015016	ENSONIP00000018904	idnK, gluconokinase homolog (E. coli) [Source:HGNC Symbol;Acc:HGNC:31367]	IDNK
ENSONIG00000012251	ENSONIP00000015428	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSONIG00000011413	ENSONIP00000014363	IKKBK interacting protein [Source:HGNC Symbol;Acc:HGNC:26430]	IKBP1
ENSONIG00000001155	ENSONIP00000001463	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:29821]	INSYNA1
ENSONIG00000018870	ENSONIP00000023760	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	KIAA0430
ENSONIG00000008244	ENSONIP00000010375	leucine rich repeat containing 31 [Source:HGNC Symbol;Acc:HGNC:26261]	LRRRC31
ENSONIG00000013262	ENSONIP00000016677	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRRC43
ENSONIG00000016796	ENSONIP00000021165	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28431]	LYPD1
ENSONIG00000017006	ENSONIP00000021448	multiciliate differentiation and DNA synthesis associated cell cycle protein [Source:HGNC Symbol;Acc:HGNC:40050]	MCIDAS
ENSONIG00000014848	ENSONIP00000018696	mesenteric estrogen-dependent adipogenesis [Source:HGNC Symbol;Acc:HGNC:25926]	MEDAG
ENSONIG00000006062	ENSONIP00000007635	MRE11 meiotic recombination 11 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:7230]	MRE11A
ENSONIG00000010166	ENSONIP00000012786	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:HGNC:17194]	NDUFA13
ENSONIG00000014398	ENSONIP00000018102	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa [Source:HGNC Symbol;Acc:HGNC:7699]	NDUFB4
ENSONIG00000004882	ENSONIP00000006140	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:10663]	NEMF
ENSONIG00000005503	ENSONIP00000006914	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:HGNC:7896]	NPAT
ENSONIG00000019639	ENSONIP00000024724	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17144]	NTSC
ENSONIG00000014550	ENSONIP00000018310	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSONIG00000003610	ENSONIP00000004541	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21408]	PM20D2
ENSONIG00000000983	ENSONIP00000001246	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23166]	PNPT1
ENSONIG00000014768	ENSONIP00000018592	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSONIG00000016039	ENSONIP00000020205	phosphoserine-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:28578]	PSTK
ENSONIG00000003285	ENSONIP00000004121	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPRT
ENSONIG00000009423	ENSONIP00000011843	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	QRICH2
ENSONIG00000006864	ENSONIP00000008662	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSONIG00000020842	ENSONIP00000026146	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnasel4
ENSONIG00000015528	ENSONIP00000019538	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	RPL27A
ENSONIG00000017968	ENSONIP00000022641	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	RPS20
ENSONIG00000000212	ENSONIP00000000271	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28055]	SAPCD2
ENSONIG00000020867	ENSONIP000000026170	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSONIG00000005236	ENSONIP00000006577	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSONIG00000011433	ENSONIP00000014388	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSONIG00000006050	ENSONIP00000007619	si:ch211-221i3.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-221i3.2

ENSONIG00000016582	ENSONIP00000020883	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSONIG00000012250	ENSONIP00000015427	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSONIG00000005807	ENSONIP00000007312	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSONIG00000002922	ENSONIP00000003660	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSONIG00000011591	ENSONIP00000014597	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	SIL1
ENSONIG00000016798	ENSONIP00000021167	solute carrier family 35, member F5 [Source:HGNC Symbol;Acc:HGNC:23617]	SLC35F5
ENSONIG00000009216	ENSONIP00000011594	small integral membrane protein 1 (Vel blood group) [Source:HGNC Symbol;Acc:HGNC:44204]	SMIM1
ENSONIG00000015305	ENSONIP00000019260	small integral membrane protein 11 [Source:HGNC Symbol;Acc:HGNC:1293]	SMIM11
ENSONIG00000001723	ENSONIP00000002157	spermatogenesis associated 22 [Source:HGNC Symbol;Acc:HGNC:30705]	SPATA22
ENSONIG00000018309	ENSONIP00000023054	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25356]	SPRTRN
ENSONIG00000012732	ENSONIP00000016023	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HGNC:26729]	SRRM3
ENSONIG00000010552	ENSONIP00000013265	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSONIG00000009519	ENSONIP00000011958	suppressor of fused homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16466]	SUFU
ENSONIG00000003942	ENSONIP00000004969	Putative TBT binding protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J7X9]	TBTBP
ENSONIG00000013826	ENSONIP00000017385	testis expressed 43 [Source:HGNC Symbol;Acc:HGNC:33767]	TEX43
ENSONIG00000015608	ENSONIP00000019640	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	TICRR
ENSONIG00000000316	ENSONIP00000000399	tigger transposable element derived 1 [Source:HGNC Symbol;Acc:HGNC:14523]	TIGD1
ENSONIG000000017125	ENSONIP000000021596	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	TMEM159
ENSONIG00000011738	ENSONIP00000014779	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:21754]	TMEM60
ENSONIG00000003050	ENSONIP00000003818	trafficking protein particle complex 2-like [Source:HGNC Symbol;Acc:HGNC:30887]	TRAPPC2L
ENSONIG00000001500	ENSONIP00000001879	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	TSTD2
ENSONIG00000018041	ENSONIP000000022735	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	TYMP
ENSONIG00000000251	ENSONIP00000000321	ubiquitin-like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	UBL5
ENSONIG00000000826	ENSONIP0000001051	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSONIG00000008215	ENSONIP00000010342	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSONIG000000021430	ENSONIP00000026732	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	ZNF830
ENSONIG00000000040	ENSONIP00000000049	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13ITW0]	ENSONIG00000000040
ENSONIG00000000044	ENSONIP00000000053	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13ITW0]	ENSONIG00000000044
ENSONIG00000000045	ENSONIP00000000054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13ITW5]	ENSONIG00000000045
ENSONIG00000000230	ENSONIP00000000295	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IUKS]	ENSONIG00000000230
ENSONIG00000000670	ENSONIP00000000848	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IWS8]	ENSONIG00000000670
ENSONIG00000000681	ENSONIP00000000861	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IW71]	ENSONIG00000000681
ENSONIG00000000838	ENSONIP00000001064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IWS4]	ENSONIG00000000838
ENSONIG00000000930	ENSONIP00000001174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IX34]	ENSONIG00000000930
ENSONIG00000001004	ENSONIP00000001272	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IXD2]	ENSONIG00000001004
ENSONIG00000001024	ENSONIP00000001297	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IXF7]	ENSONIG00000001024
ENSONIG00000001408	ENSONIP00000001775	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IYT5]	ENSONIG00000001408
ENSONIG00000001527	ENSONIP00000001909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IZ69]	ENSONIG00000001527
ENSONIG00000001707	ENSONIP00000002136	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IZU6]	ENSONIG00000001707
ENSONIG00000001937	ENSONIP00000002426	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J0N6]	ENSONIG00000001937
ENSONIG00000001940	ENSONIP00000002429	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J0N9]	ENSONIG00000001940
ENSONIG00000002016	ENSONIP00000002523	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J0Y3]	ENSONIG00000002016
ENSONIG00000002025	ENSONIP00000002533	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J0Z3]	ENSONIG00000002025
ENSONIG00000002208	ENSONIP00000002752	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J1L2]	ENSONIG00000002208
ENSONIG00000002376	ENSONIP00000002969	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J279]	ENSONIG00000002376
ENSONIG00000002492	ENSONIP00000003121	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J2N1]	ENSONIG00000002492
ENSONIG00000002493	ENSONIP00000003122	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J2N2]	ENSONIG00000002493
ENSONIG00000002494	ENSONIP00000003124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J2N3]	ENSONIG00000002494
ENSONIG00000002495	ENSONIP00000003126	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J2N5]	ENSONIG00000002495
ENSONIG00000002674	ENSONIP00000003349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J3A9]	ENSONIG00000002674
ENSONIG00000002703	ENSONIP00000003391	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J3F1]	ENSONIG00000002703
ENSONIG00000003119	ENSONIP00000003909	novel gene	ENSONIG00000003119
ENSONIG00000003201	ENSONIP00000004015	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J575]	ENSONIG00000003201
ENSONIG00000003348	ENSONIP00000004214	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J5S4]	ENSONIG00000003348
ENSONIG00000003384	ENSONIP00000004262	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J5X2]	ENSONIG00000003384
ENSONIG00000003439	ENSONIP00000004329	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J639]	ENSONIG00000003439
ENSONIG00000003448	ENSONIP00000004341	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J651]	ENSONIG00000003448
ENSONIG00000003557	ENSONIP00000004477	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J6I7]	ENSONIG00000003557
ENSONIG00000003848	ENSONIP00000004848	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J7K8]	ENSONIG00000003848
ENSONIG00000003850	ENSONIP00000004850	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J7L0]	ENSONIG00000003850
ENSONIG00000003974	ENSONIP00000005006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J816]	ENSONIG00000003974
ENSONIG00000004048	ENSONIP00000005102	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J8B1]	ENSONIG00000004048
ENSONIG00000004398	ENSONIP00000005536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J9J6]	ENSONIG00000004398
ENSONIG00000004616	ENSONIP00000005812	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAC2]	ENSONIG00000004616
ENSONIG00000004679	ENSONIP00000005891	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAK1]	ENSONIG00000004679
ENSONIG00000004721	ENSONIP00000005945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAQ5]	ENSONIG00000004721
ENSONIG00000004728	ENSONIP00000005953	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAR3]	ENSONIG00000004728
ENSONIG00000004731	ENSONIP00000005958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAR8]	ENSONIG00000004731
ENSONIG00000004952	ENSONIP00000006229	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JB19]	ENSONIG00000004952
ENSONIG00000005022	ENSONIP00000006317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JB57]	ENSONIG00000005022
ENSONIG00000005071	ENSONIP00000006376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JBV6]	ENSONIG00000005071
ENSONIG00000005100	ENSONIP00000006410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JC20]	ENSONIG00000005100
ENSONIG00000005213	ENSONIP00000006546	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JCF6]	ENSONIG00000005213
ENSONIG00000005256	ENSONIP00000006604	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JCL4]	ENSONIG00000005256
ENSONIG00000005434	ENSONIP00000006826	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JD86]	ENSONIG00000005434
ENSONIG00000005668	ENSONIP00000007138	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JE47]	ENSONIG00000005668
ENSONIG00000005761	ENSONIP00000007261	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JEH0]	ENSONIG00000005761
ENSONIG00000006237	ENSONIP00000007860	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JG69]	ENSONIG00000006237
ENSONIG00000006387	ENSONIP00000008050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JGQ9]	ENSONIG00000006387

Supplemental table 23. Catfish specific genes compared to cavefish

id	access number	Description
g10283.t1	ACI68875.1	28S ribosomal protein S18a, mitochondrial
g17366.t1	XP_004076511.1	28S ribosomal protein S31, mitochondrial
g10427.t1	NP_001139039.1	3'-5' exoribonuclease CSL4
g33343.t1	XP_003966030.1	5-azacytidine-induced protein 2
g49413.t1	NP_001187620.1	5-formyltetrahydrofolate cyclo-ligase
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g23163.t1	NP_001116521.1	aarF domain containing kinase 1
g1835.t1	NP_001039244.1	acetoacetyl-CoA synthetase
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g39441.t1	Q55SL4	Active breakpoint cluster region-related protein
g3551.t1	XP_003974239.1	acyl-CoA-binding domain-containing protein 6
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g16423.t1	Q25460	Adhesive plaque matrix protein
g1561.t1	XP_003200539.1	adipocyte adhesion molecule
g12929.t1	P07898	Aggrecan core protein
g8325.t1	NP_001133849.1	AIDB protein
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g18932.t1	NP_001003572.1	alanyl-tRNA editing protein Aarsd1
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g45262.t1	NP_956407.1	alkyldihydroxyacetonephosphate synthase, peroxisomal
g17048.t1	NP_001038776.1	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A
g43098.t1	NP_997755.1	alpha-tocopherol transfer protein
g871.t1	BAF93906.1	amylopullulanase
g55434.t1	AAM09278.1	androgen receptor
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g13113.t1	ELK30876.1	Ankyrin-2
g2709.t1	NP_001098319.1	anosmin-1.1
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
qifan_comp131209_c0_se		
q1	XP_691110.1	apolipoprotein C-II
g9775.t1	P23529	Apolipoprotein E
g12007.t1	BAA00422.1	apoplysialglycoprotein
g6029.t1	NP_001187866.1	apoptosis regulator bax
g15581.t1	NP_998112.1	arginine/serine-rich coiled-coil 1
g27238.t1	NP_001082937.1	arginyl-tRNA--protein transferase 1
g6851.t1	CBN81746.1	Armadillo repeat-containing protein 4
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
qifan_comp241320_c0_se		
q1	XP_005165074.1	asialoglycoprotein receptor 1
g5852.t1	Q3SYZ4	Aspartate--tRNA ligase, cytoplasmic
g35227.t1	XP_003965238.1	astrotactin-2
skin_comp69054_c0_seq1	NP_612130.1	ATP synthase FO subunit 6
395_ccaa	AAL93226.1	ATP synthase FO subunit 8
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g36065.t1	XP_001337239.1	autoimmune regulator
alltrinity_comp155303_c0		
_seq1	NP_001188371.1	avidin
cdna_cic_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g25932.t1	XP_003200724.1	barttin
qifan_comp138184_c0_se		
q8	NP_001129263.1	BCL2-like 11
g45968.t1	EHB16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g27085.t1	XP_003439529.1	beta-adrenergic receptor kinase 2
alltrinity_comp204523_c0		
_seq2	ACO13654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g18202.t1	NP_957177.1	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase
g15575.t1	EPQ11548.1	Bile salt-activated lipase
qifan_comp151466_c0_se		
q7	XP_005722886.1	biorientation of chromosomes in cell division protein 1-like 1
g55784.t1	NP_001133623.1	brain protein I3
g58064.t1	PF13882.1	Bravo_FIGFY
yu_Contig3101	NP_001035395.1	BRCA1-associated ATM activator 1
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52652.t1	NP_956916.1	breast carcinoma amplified sequence 3
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16

g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g378.t1	ACN10467.1	C12orf56
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g33993.t1	XP_001922712.3	cadherin EGF LAG seven-pass G-type receptor 3
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g12130.t1	XP_003976992.1	calcium-activated potassium channel subunit beta-4
g58264.t1	XP_001337136.2	calmodulin-lysine N-methyltransferase
g42766.t1	NP_957396.1	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
g43097.t1	XP_004071058.1	cAMP-dependent protein kinase inhibitor gamma
g45866.t1	XP_003964885.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
g46964.t1	XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g44938.t1	NP_001188083.1	carboxy-terminal domain RNA polymerase II polypeptide a small phohatase 1
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g11866.t1	XP_003964461.1	caspase recruitment domain-containing protein 11
g35927.t1	XP_001336420.1	cat eye syndrome critical region protein 6
g23608.t1	EPQ16938.1	Catenin alpha-1
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g57386.t1	ABA54949.1	CC chemokine SCYA101
g57387.t1	AAT52141.1	CC chemokine SCYA107
g42255.t1	ABA54958.1	CC chemokine SCYA111
alltrinity_comp188056_c1		
_seq1	AAZ99069.1	CC chemokine SCYA114B
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
qifan_comp140824_c0_se		
q5	BAA31459.1	CC chemokine-1
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
qifan_comp131987_c0_se		
q2	XP_005172686.1	CD209 antigen-like protein C
g54092.t1	XP_001922491.1	CD44 antigen
cdna_aby_k87:390381	NP_001140147.1	CDP-diacylglycerol--serine O-phosphatidyltransferase
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
qifan_comp137693_c0_se		
q1	XP_003199235.2	cell surface glycoprotein CD200 receptor 1-A
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g2747.t1	A2AM05	Centlein
g39933.t1	Q5BQN8	Centromere protein J
qifan_comp151822_c7_se		
q3	XP_001335405.3	centromere protein U
yu_Contig20690	XP_709181.2	centromere protein W
qifan_comp202954_c0_se		
q1	XP_002661323.1	centromere protein X
g55487.t1	ELW67467.1	Centrosomal protein of 112 kDa
alltrinity_comp197052_c2		
_seq4	XP_005169029.1	centrosomal protein of 89 kDa
g19485.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1		
/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g10205.t1	XP_002935474.2	cGMP-dependent protein kinase 1
g5140.t1	XP_691883.3	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g4950.t1	1N9_L	Chain L, Cocaine Hydrolytic Antibody 15a10
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g349.t1	AAH96773.1	Chm protein
g217.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g44608.t1	XP_706416.1	chromosomal protein D1
g9947.t1	NP_001188076.1	churchill
alltrinity_comp199220_c1		
_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
alltrinity_comp183384_c1		
_seq1	XP_001340685.1	clarin-3
g21385.t1	NP_001187716.1	C-Myc-binding protein

cdna_clc_378603	XP_005946660.1	coagulation factor XI
g4051.t1	XP_004543244.1	coatamer subunit beta
g16583.t1	NP_991115.1	coiled-coil domain-containing protein 102A
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g55488.t1	NP_001092719.1	coiled-coil domain-containing protein 46
g33640.t1	NP_001135268.1	Coiled-coil domain-containing protein 49
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g10144.t1	PF01391.13	Collagen
g42838.t1	XP_004077473.1	collagen alpha-1(I(X)) chain
g48836.t1	XP_690914.3	collagen alpha-1(VIII) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g57796.t1	XP_004554551.1	collagen alpha-1(XXV) chain
g32580.t1	XP_004543693.1	collagen alpha-1(XXVI) chain
g34598.t1	XP_004549824.1	collagen alpha-1(XXVII) chain A
g31505.t1	XP_692548.2	collagen alpha-2(XI) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g31.t1	XP_003198612.1	colorectal mutant cancer protein
g32356.t1	XP_004076492.1	complement factor B
g13094.t1	XP_002771495.1	conserved hypothetical protein
g13469.t1	NP_001034912.1	conserved oligomeric Golgi complex subunit 4
g56330.t1	XP_001349472.1	conserved Plasmodium membrane protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g16221.t1	XP_001497248.2	copine-4
g53343.t1	XP_003386867.1	copine-8
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g3522.t1	NP_956605.1	CTAGE family, member 5
yu_k81:462410	NP_001158556.1	CX04A protein
qifan_comp273020_c0_seq		
q1	XP_005810439.1	c-X-C chemokine receptor type 2
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g1727.t1	XP_003198642.1	cyclin-G-associated kinase
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
116_ccaa	ABB86552.1	cytochrome b
g26613.t1	XP_685495.1	cytochrome c oxidase subunit 8A, mitochondrial
qifan_comp153672_c0_seq		
q1	YP_006460072.1	cytochrome c oxidase subunit II
qifan_comp94331_c0_seq		
1	NP_612131.1	cytochrome c oxidase subunit III
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
yu_k56:2035505	NP_001187144.1	DAP10
g30928.t1	PF13358.1	DDE_3
g50942.t1	NP_001017656.1	decaprenyl-diphosphate synthase subunit 1
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g17492.t1	XP_003198303.1	deleted in malignant brain tumors 1 protein
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g11060.t1	NP_001187913.1	derlin-1
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
g31952.t1	NP_998058.1	dihydropyrimidine dehydrogenase [NADP(+)]
g52610.t1	XP_004075380.1	diphthamide biosynthesis protein 1
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g33668.t1	XP_003197865.1	disks large homolog 1
g21565.t1	XP_003199970.1	disks large homolog 3
g31232.t1	PF07263.6	DMP1
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g49878.t1	NP_001187562.1	DNA replication complex gins protein psf3
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g52136.t1	O57460	Dorsal-ventral patterning tolloid-like protein 1
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g28671.t1	POC5A0.1	Dual specificity phosphatase DUPD1
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815

g37462.t1	XP_701125.5	dymeclin
g19805.t1	NP_001187796.1	dynactin subunit 6
g19950.t1	ELW48268.1	Dynein heavy chain
g39031.t1	NP_775381.1	dystroglycan
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g28543.t1	XP_004557508.1	E3 ubiquitin-protein ligase RNF43
g26829.t1	A5WWA0	E3 ubiquitin-protein ligase ZNRF3
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
yu_Contig27955	XP_006633449.1	EF-hand calcium-binding domain-containing protein 10
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g21451.t1	AAS99349.1	EGF-like-domain multiple 7
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp73008_c0_seq		
1	XP_003199438.1	EKC/KEOPS complex subunit LAGE3
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g53198.t1	ACN11093.1	Elongation factor 1-delta
g3997.t1	ACM09371.1	Elongation factor Tu, mitochondrial
g8654.t1	XP_003977918.1	elongator complex protein 4
g9587.t1	XP_001341991.2	endothelin-converting enzyme 2
g10640.t1	NP_001038550.1	enhancer of mRNA-decapping protein 4
g1880.t1	NP_001187760.1	enkurin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g10915.t1	XP_002660956.2	enzymatic polyprotein
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g32281.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g36350.t1	XP_004570426.1	exocyst complex component 6
g15669.t1	NP_001133823.1	exocyst complex component 7
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g3979.t1	ELR60417.1	Fatty acid-binding protein, brain
g53623.t1	Q6PIJ6	F-box only protein 38
qifan_comp143264_c0_se		
q13	XP_006802447.1	F-box only protein 47
g6000.t1	ADO28378.1	f-box only protein 48
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g45244.t1	XP_002660376.2	FERM, RhoGEF and pleckstrin domain-containing protein 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
yu_Contig6357	XP_006632574.1	fibrous sheath-interacting protein 1
g58004.t1	YP_123587.1	FimV protein
g40209.t1	XP_004575319.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1
g18881.t1	BAJ19137.1	forkhead box L2
g54810.t1	ACJ36222.1	forkhead box P1b
g48376.t1	NP_001123401.2	formin 1
g20767.t1	XP_003974564.1	frataxin, mitochondrial
qifan_comp146158_c0_se		
q1	NP_001188353.1	FXYP domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
qifan_comp52895_c0_seq		
1	XP_005163007.1	galaxin
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide
g52458.t1	PF07699.8	GCC2_GCC3
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g36489.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g14373.t1	XP_003458436.1	general transcription factor II-I repeat domain-containing protein 2B
g18080.t1	XP_002660510.1	general vesicular transport factor p115
g30788.t1	XP_004539451.1	genetic suppressor element 1
g19428.t1	NP_998277.2	geranylgeranyl transferase type-2 subunit beta
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g3611.t1	ADO28093.1	Globoside alpha-1,3-N-acetylgalactosaminyltransferase 1
alltrinity_comp27190_c0_seq		
1	NP_756089.2	gluconate kinase 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
g2882.t1	WP_001271722.1	glutamine synthetase
g51021.t1	ACK77305.1	glutathione S-transferase
g43558.t1	NP_001167381.1	glutathione S-transferase C-terminal domain-containing protein
g25651.t1	AAC96120.1	glycinamide ribonucleotide transformylase
g42740.t1	ADO27976.1	glycine n-acyltransferase
g17797.t1	XP_004072582.1	glycosyltransferase 1 domain-containing protein 1

g27664.t1	XP_688014.3	glypican-3
g3034.t1	YP_302666.1	gp140
g27563.t1	XP_003199883.1	GPI ethanolamine phosphate transferase 2
g490.t1	XP_004071680.1	G-protein coupled receptor 183
g23274.t1	XP_683776.5	GRAM domain-containing protein 1A
g44166.t1	NP_998600.1	GSK3-beta interaction protein
g43752.t1	NP_001018510.1	guanine deaminase
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
qifan_comp128212_c0_se		
q1	NP_001003868.1	H/ACA ribonucleoprotein complex subunit 3
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g29914.t1	ELW69465.1	HBS1-like protein
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g38615.t1	NP_001107785.1	HEAT repeat-containing protein 6
g35899.t1	XP_002710718.1	heat shock 70kD protein binding protein
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g11670.t1	XP_004080639.1	heparan sulfate glucosamine 3-O-sulfotransferase 3B1
alltrinity_comp190625_c1		
_seq6	XP_005457724.1	HERV-H LTR-associating protein 1
g30955.t1	XP_003441680.1	HHIP-like 1
g55881.t1	NP_956117.1	HIRA-interacting protein 3
pac_pacbio_411701930_1		
/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g18646.t1	XP_685659.4	histone deacetylase 5
g42912.t1	P06350	Histone H1
g32570.t1	P53564	Homeobox protein cut-like 1
g54365.t1	Q9QWW1	Homer protein homolog 2
g26614.t1	NP_001133946.1	Hsc70-interacting protein
g22899.t1	PF13384.1	HTH_23
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g19491.t1	EOB02515.1	hypothetical protein Anapl_05179
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AUREDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g16051.t1	XP_001895429.1	hypothetical protein Bm1_19870
pac_pacbio_409879891_1		
/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g39363.t1	XP_002603613.1	hypothetical protein BRAFLDRAFT_126923
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g22594.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122

g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g38025.t1	XP_002634736.1	Hypothetical protein CBG21056
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSyA_0654
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUITHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUITHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUITHDRAFT_82550
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0 _seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0 _seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0 _seq1	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein IscW_ISCW012389
g26906.t1	EHJ64573.1	hypothetical protein KGM_05799
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g1263.t1	XP_001367872.2	hypothetical protein LOC100013484
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g48374.t1	XP_001921749.3	hypothetical protein LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g34720.t1	XP_002664903.1	hypothetical protein LOC100329570
g18637.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g54372.t1	XP_002663377.2	hypothetical protein LOC100331483
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523

g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g57841.t1	XP_002662026.2	hypothetical protein LOC100333032
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g17439.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g36969.t1	XP_002914422.1	hypothetical protein LOC100466797
g28698.t1	XP_003197997.1	hypothetical protein LOC100534713
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g10730.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g18154.t1	XP_003200310.1	hypothetical protein LOC100536514
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g16515.t1	XP_003198458.1	hypothetical protein LOC100536930
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
alltrinity_comp381973_c0		
_seq1	XP_003230335.1	hypothetical protein LOC100551644
pac_pacbio_410784309_1		
/64_1917	XP_003390896.1	hypothetical protein LOC100636977
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1		
/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135
g18564.t1	XP_003412484.1	hypothetical protein LOC100659919
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g5376.t1	XP_003455589.1	hypothetical protein LOC100692109
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g16052.t1	XP_003460003.1	hypothetical protein LOC100695983
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g432.t1	XP_003451752.1	hypothetical protein LOC100700580
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g54702.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g31218.t1	XP_003459981.1	hypothetical protein LOC100709753
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g27637.t1	XP_003444806.1	hypothetical protein LOC100710310
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894

g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g3153.t1	XP_003199000.1	hypothetical protein LOC566660
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g50441.t1	XP_001333061.3	hypothetical protein LOC793321
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g49887.t1	XP_003201482.1	hypothetical protein LOC796632
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
pac_pacbio_411861709_2		
/3_6178	ESP02324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_411362994_1		
/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1		
/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1		
/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g42457.t1	YP_660931.1	hypothetical protein Patl_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PscyPRwf_1946
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1		
/4_3600	EXX63943.1	hypothetical protein RirG_147560
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_409695269_4		
/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390
g7325.t1	XP_003683123.1	hypothetical protein TDEL_OH00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527

g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_410817480_1		
/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	lfi-6-16
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g48544.t1	PF02372.10	IL15
qifan_comp219170_c0_se		
q1	XP_684838.2	im:7140055
g5910.t1	AAH92165.1	Im:7147241
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g16935.t1	P02976	Immunoglobulin G-binding protein A
g53357.t1	Q725P9	In
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g20114.t1	XP_003442391.1	inactive serine/threonine-protein kinase VRK3
g13672.t1	PF04156.9	InCA
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g16382.t1	XP_004561700.1	integrator complex subunit 2
g37237.t1	PF00143.14	Interferon
g39506.t1	XP_003455952.1	interferon-induced protein 44
g50963.t1	NP_001187148.1	interleukin 1 beta
g35959.t1	NP_001018635.1	interleukin 26
g38699.t1	P43303	Interleukin-1 receptor type 2, membrane form
g18948.t1	XP_003454873.1	interleukin-12 subunit alpha
g4934.t1	XP_004565503.1	interleukin-17 receptor D
alltrinity_comp182885_c0		
_seq2	ADB81777.1	interleukin-21
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0		
_seq5	XP_001334960.2	intracellular protein transport protein USO1
g24054.t1	P07476	Involucrin
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g8177.t1	XP_004070691.1	kazrin-A
g56644.t1	XP_005027243.1	kelch-like protein 10
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0		
_seq6	AHH83757.1	kisspeptin
g55167.t1	AFM08414.1	kisspeptin 2
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g23322.t1	ADO27844.1	latexin
g15807.t1	XP_002733056.1	latrophilin 2
ncbimna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g26419.t1	XP_692159.4	leucine-rich repeat transmembrane neuronal protein 4
g23458.t1	XP_004668243.1	leucine-rich repeat-containing protein 1
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g3899.t1	XP_002663924.1	leucine-rich repeat-containing protein 45
g8669.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g24640.t1	P48059	LIM and senescent cell antigen-like-containing domain protein 1
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
alltrinity_comp205486_c0		
_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
qifan_comp232492_c0_se		
q1	AAH45899.1	LOC402804 protein
qifan_comp150381_c1_se		
q2	AAH95122.1	LOC553430 protein
g22295.t1	AAH90521.1	LOC553502 protein
g43564.t1	AAH96904.1	LOC555895 protein
g16114.t1	AAI34108.1	LOC557892 protein
g37900.t1	AAI24249.1	LOC562321 protein
g24000.t1	AAI39667.1	LOC569134 protein
g10413.t1	XP_003199120.1	low-density lipoprotein receptor

g51868.t1	A4IHY6	Low-density lipoprotein receptor class A domain-containing protein 3
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
pac_pacbio_410283153_1/O_1305	XP_003976043.1	low-density lipoprotein receptor-related protein 5
g47037.t1	AAI71497.1	Lpp protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060	LWamide I
g45470.t1	Q25060.1	LWamide neuropeptides
qifan_comp88160_c0_seq1	XP_005173106.1	Ly1 antibody reactive
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
g20755.t1	NP_001002506.1	LYR motif containing protein 1
qifan_comp183686_c0_seq1	NP_001157713.1	LYR motif-containing protein 4
cdna_clc_280752	NP_001187277.1	lyr motif-containing protein 4a
alltrinity_comp203211_c7_seq1	XP_687135.1	lysine-rich nucleolar protein 1
g47294.t1	NP_001155999.1	lysosomal protein transmembrane 5
g1230.t1	XP_003977142.1	MAGUK p53 subfamily member 7
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g42021.t1	NP_001188337.1	malate synthase
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g51530.t1	A6NHS7	MANSC domain-containing protein 4
g7676.t1	PF05672.6	MAP7
g52897.t1	XP_003450249.1	mastermind-like protein 2
g19683.t1	XP_002735800.1	matriptase
g10550.t1	NP_001187095.1	matrix Gla protein
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g18370.t1	EDL20200.1	mCG145728
g52746.t1	NP_956459.1	McKusick-Kaufman/Bardet-Biedl syndromes putative chaperonin
g40659.t1	PF05669.7	Med31
g9224.t1	ASWUL3.1	Mediator of RNA polymerase II transcription subunit 22
skin_comp60651_c0_seq2	NP_001007771.1	mediator of RNA polymerase II transcription subunit 28
g57509.t1	XP_003451039.1	meiotic recombination protein REC8
alltrinity_comp200949_c1_seq3	NP_991245.1	meiotic recombination protein SPO11
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g33696.t1	XP_004600126.1	membrane protein, palmitoylated 7
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
qifan_comp222623_c0_seq1	XP_005169236.1	mesenteric estrogen-dependent adipogenesis protein
g13053.t1	Q09165	Mesocentin
g14285.t1	Q7ZVV9	Methionine aminopeptidase 1
yu_Contig6418	NP_001098582.1	methylmalonic aciduria (cobalamin deficiency) cblA type
g27153.t1	AAD39870.1	MHC class II antigen
g42793.t1	XP_003199738.1	microcephalin
g29704.t1	NP_001034446.1	microfibrillar-associated protein 2
g16979.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g46905.t1	XP_001341305.3	microtubule-associated serine/threonine-protein kinase 2
alltrinity_comp203544_c0_seq1	XP_006627139.1	microtubule-associated serine/threonine-protein kinase 4
g16803.t1	XP_003456082.1	midasin
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g29665.t1	NP_001188000.1	mitochondrial 28S ribosomal protein s14
g34217.t1	NP_001187881.1	mitochondrial ATP synthase subunit b
g2111.t1	NP_001187386.1	mitochondrial carrier homolog 2
g696.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-domain-containing protein 3
55_ccaa	ADO28755.1	mitochondrial cytochrome c oxidase subunit 7c
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g49904.t1	ADO27726.1	mitochondrial inner membrane protease subunit 2
g42877.t1	XP_683289.3	mitochondrial ribonuclease P protein 3

g31224.t1	XP_699710.2	mitochondrial sodium/hydrogen exchanger 9B2
g13364.t1	NP_957206.2	mitotic spindle assembly checkpoint protein MAD1
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
pac_pacbio_410689841_1		
/34_1696	EMP27574.1	Mps one binder kinase activator-like 2A
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g25059.t1	EPQ10665.1	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38098.t1	XP_690904.4	mucin-5AC
g16954.t1	XP_004547389.1	multicilin
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_se		
q1	XP_002666786.2	myosin heavy chain, cardiac muscle
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g15376.t1	XP_004546980.1	N-acetylated-alpha-linked acidic dipeptidase-like protein
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g6713.t1	XP_004912662.1	NAD(P) transhydrogenase, mitochondrial
g55699.t1	NP_001188168.1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 10
qifan_comp135194_c0_se		
q1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
qifan_comp153915_c0_se		
q1	YP_004285840.1	NADH dehydrogenase subunit 1
qifan_comp68083_c0_seq		
1	YP_006576309.1	NADH dehydrogenase subunit 2
159_ccaa	AAL93229.1	NADH dehydrogenase subunit 3
qifan_comp67460_c0_seq		
1	YP_006460078.1	NADH dehydrogenase subunit 4
158_ccaa	AAL93230.1	NADH dehydrogenase subunit 4L
blue_Contig49564.1_2471		
4	NP_612135.1	NADH dehydrogenase subunit 5
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g2369.t1	XP_004544802.1	NCK-interacting protein with SH3 domain
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g34034.t1	XP_003199124.1	nephrocystin-4
g56981.t1	ACM45582.1	neuregulin 1 type IIb12
g45833.t1	NP_001038272.1	neuroblastoma-amplified sequence
g7924.t1	XP_004915774.1	neurofilament heavy polypeptide
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVLO	Neuron navigator 3
g23882.t1	NP_001120841.1	neuropeptide B
g41002.t1	XP_004573454.1	NHS-like protein 2
g33876.t1	AAI62515.1	Nicestrin
g8194.t1	XP_002661386.1	nicotinamide phosphoribosyltransferase
qifan_comp226303_c0_se		
q1	XP_003533945.1	nicotinate-nucleotide pyrophosphorylase [carboxylating], chloroplastic
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
qifan_comp178381_c0_se		
q1	XP_706437.3	noncompact myelin-associated protein
qifan_comp129372_c0_se		
q2	BAC45234.1	novel immune type receptor
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g22948.t1	CAI21354.1	novel protein
g39052.t1	CAQ14853.1	novel protein similar to human ring finger protein 123
g14936.t1	CAM14100.1	novel protein similar to vertebrate RAB6 interacting protein 2
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g9059.t1	NP_998696.1	nuclear pore complex protein Nup133
g3903.t1	NP_956956.1	nuclear pore complex protein Nup160
g36054.t1	Q9BW27	Nuclear pore complex protein Nup85
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
qifan_comp167136_c0_se		
q1	NP_001070846.1	nuclear-interacting partner of ALK
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_se		
q1	XP_005169626.1	nucleolar protein 58

g33776.t1	XP_002662124.1	nucleolar protein 9
g22043.t1	XP_002664363.2	nucleolin 2
g17832.t1	PF12882.2	NUT_C
alltrinity_comp205119_c0		
_seq2	NP_001138715.1	odontogenic, ameloblast associated
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g7877.t1	PF13568.1	OMP_b-brl_2
g32723.t1	XP_725227.1	ookinete protein
pac_pacbio_411116759_1		
/53_4899	BAE46428.1	ORF1-encoded protein
g44863.t1	XP_004551458.1	otospiralin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
alltrinity_comp198007_c1		
_seq1	XP_001335873.1	oxidoreductase-like domain-containing protein 1
alltrinity_comp168207_c0		
_seq3	XP_002661521.1	P2X purinoceptor 7
g29706.t1	AAH56084.1	P42pop protein
g24747.t1	XP_001919624.3	paired box protein Pax-3
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g3360.t1	Q3YV06	Pantothenate kinase
g41819.t1	P15743	Parathyroid hormone
cdna_vet_k47:719640	NP_998114.1	parathyroid hormone 1b
g13199.t1	XP_003200404.1	parkin coregulated gene protein
g45120.t1	XP_004086996.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g11598.t1	NP_001035470.2	PCNA-interacting partner
g8231.t1	XP_689774.3	PDZ domain-containing protein 8
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g11064.t1	YP_001107629.1	PE-PGRS family protein
g24098.t1	NP_001025446.1	peptidyl-tRNA hydrolase domain containing 1
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g52559.t1	XP_686922.3	peroxisomal sarcosine oxidase
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein Z1B
qifan_comp180462_c0_se		
q1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g10840.t1	NP_001187936.1	phosphatidylethanolamine N-methyltransferase
g16368.t1	XP_700029.4	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g48193.t1	ACO09392.1	Phospholemman
g5029.t1	NP_001265769.1	phospholipase C-beta 2
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g43198.t1	XP_004539327.1	phosphoribosyl pyrophosphate synthase-associated protein 1
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
alltrinity_comp207497_c3		
_seq1	XP_003458741.1	placenta-specific protein 9
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
g40062.t1	XP_003410187.1	plexin-A2
g44731.t1	XP_004553914.1	plexin-C1
g6857.t1	PF05287.7	PMG
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g1059.t1	BAC82606.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g23310.t1	AAAN12398.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g5354.t1	XP_694050.5	potassium channel subfamily T member 2
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g45533.t1	Q9QWS8	Potassium voltage-gated channel subfamily H member 8
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g32182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein

pac_pacbio_410237555_1		
/0_1773	XP_001638309.1	predicted protein_2_n
g43160.t1	NP_001187701.1	prefoldin subunit 4
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g3526.t1	EGW05636.1	Prestalk protein
g1682.t1	XP_002665048.1	probable C-mannosyltransferase DPY19L1
g3699.t1	XP_698091.2	probable E3 ubiquitin-protein ligase HERC1
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g2728.t1	NP_001017611.2	probable flap endonuclease 1
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g13098.t1	NP_001007345.1	probable RNA polymerase II nuclear localization protein SLC7A6OS
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
qifan_comp137126_c0_se		
q3	O65809.1	Profilin-1
g57823.t1	ACY24366.1	proliferator-activated receptor gamma coactivator 1 alpha
g14795.t1	XP_003200626.1	proline-rich protein 15
g27019.t1	XP_004478809.1	proline-rich protein 2
g56977.t1	XP_004564746.1	pro-neuregulin-1, membrane-bound
qifan_comp142832_c0_se		
q6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g21153.t1	NP_001232875.1	prostate stem cell antigen precursor
g6406.t1	XP_005020051.1	protein BEAN1
g12724.t1	NP_001092924.1	protein CASC1
g32493.t1	XP_003973424.1	protein DDI1 homolog 2
g8418.t1	NP_001002868.1	protein dpy-19 homolog 1
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g22887.t1	XP_003199107.1	protein FAM150
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g6892.t1	ELW61426.1	Protein Filia
g13785.t1	XP_003504247.1	protein IWS1
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g13014.t1	XP_004084629.1	protein NLRC3
g17235.t1	XP_003445547.1	protein NRDE2
g11758.t1	XP_002259357.1	protein phosphatase
g51448.t1	XP_700422.2	protein phosphatase 1 regulatory subunit 32
g35880.t1	XP_001921217.3	protein piccolo
g35372.t1	XP_698190.5	protein PRR14L
g15139.t1	Q63623	Protein SCAF8
g32467.t1	XP_688629.4	protein SFI1
g54790.t1	NP_001074069.1	protein SHQ1
g14308.t1	P18583	Protein SON
g13009.t1	XP_003970742.1	protein spinster homolog 2
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g27780.t1	XP_005018843.1	protocadherin-11 X-linked
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g3754.t1	XP_678204.1	p-type ATPase
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g26061.t1	AAL35358.1	putative GAG protein
g13273.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g48199.t1	XP_004545472.1	putative methyltransferase NSUN7
g1418.t1	NP_991244.1	putative N-acetylglucosamine-6-phosphate deacetylase
pac_pacbio_410139138_1		
/8_1031	XP_003244703.1	putative nuclease HARBI1
pac_pacbio_410136248_1		
/36_2527	AAD19347.1	putative nucleic acid binding protein
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq		
1	XP_001923521.1	putative protein TPRXL
XY_XY_ctg488300	CBL94163.1	putative RNA-directed DNA polymerase
alltrinity_comp390350_c0		
_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
alltrinity_comp194731_c0		
_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g3398.t1	PF02749.11	QRPTase_N
g39483.t1	O54880	Rab effector Noc2
g41753.t1	XP_001923878.2	rab15 effector protein
g3433.t1	Q9H1K0	Rabenosyn-5
g10791.t1	NP_001038428.1	rab-like protein 2B

qifan_comp288907_c0_se		
q1	XP_005160464.1	RAD51 paralog B
yu_Contig11912	XP_006626032.1	radial spoke head protein 3
g42881.t1	NP_001139776.1	ral GTPase-activating protein subunit alpha-1
g44099.t1	XP_001920508.1	ral GTPase-activating protein subunit alpha-2
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g53492.t1	XP_002734139.1	RAS protein activator like 1
g56421.t1	NP_001096163.1	RCAN family member 3
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g80.t1	Q9H426	Regulating synaptic membrane exocytosis protein 4
g27348.t1	O54829	Regulator of G-protein signaling 7
g48398.t1	BAB83841.1	ReO_6
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g90.t1	DAA01285.1	replicase/helicase/endonuclease
g1345.t1	WP_001453088.1	replication-associated protein A
g16208.t1	XP_003972313.1	reticulon-3
g54129.t1	XP_004543134.1	retinal dehydrogenase 2
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g26575.t1	XP_002739124.1	RETrotransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
g22495.t1	XP_003972510.1	rho GTPase-activating protein 10
g8377.t1	XP_004552665.1	rho GTPase-activating protein 6
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g22458.t1	XP_003452401.1	rho GTPase-activating protein SYDE2
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
skin_comp65253_c0_seq3	XP_001344100.3	rhomboid domain-containing protein 2
qifan_comp169441_c0_se		
q1	NP_001018528.1	ribonuclease P protein subunit p14
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g54222.t1	XP_002662988.1	RING finger protein 166
g25469.t1	XP_003443438.1	RING finger protein 212
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g50372.t1	WP_003961220.1	RNA helicase
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g14356.t1	NP_996950.1	RNA polymerase-associated protein LEO1
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylate synthase domain-containing protein 4
qifan_comp145360_c0_se		
q5	XP_005167635.1	RNA-binding protein 44
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
yu_Contig28954	XP_005943327.1	RNMT-activating mini protein
pac_pacbio_409846677_2		
/23_1287	EUB55374.1	rRNA promoter binding protein
g51369.t1	XP_003454106.1	ryanodine receptor 2
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
qifan_comp141770_c0_se		
q1	XP_0019222616.3	saxitoxin and tetrodotoxin-binding protein 2
g53269.t1	PF02023.12	SCAN
g6441.t1	XP_004917444.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1		
/938_2725	XP_004591742.1	schlafen-like protein 1
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g25061.t1	NP_001245158.1	selectin P ligand
g53027.t1	XP_003457632.1	selenium-binding protein 1
g28000.t1	XP_004543556.1	selenocysteine insertion sequence-binding protein 2
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_se		
q1	NP_001177311.1	selenoprotein L
g37032.t1	XP_003976101.1	serine hydrolase protein
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g55504.t1	XP_003456382.1	serine/threonine-protein kinase 19
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g15189.t1	XP_003968276.1	serine/threonine-protein kinase SIK3
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g14597.t1	XP_004552509.1	serine-rich adhesin for platelets
g58241.t1	XP_004551481.1	serologically defined colon cancer antigen 8
g13730.t1	PF00079.15	Serpin
qifan_comp143170_c0_se		
q3	BAA36700.1	serum amyloid A protein
g19962.t1	NP_001032477.1	SET and MYND domain-containing protein 3
g12101.t1	XP_001332433.4	sex comb on midleg protein 4

g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g17279.t1	XP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
qifan_comp145793_c0_se		
q5	XP_005163520.1	si:ch211-106h4.12
yu_Contig26491	AAI54252.1	Si:ch211-147a11.3 protein
qifan_comp150838_c0_se		
q11	XP_694355.3	si:ch211-199g17.9
qifan_comp237002_c0_se		
q1	XP_003199409.1	si:ch211-222e20.4
qifan_comp143879_c0_se		
q1	AAI55834.1	Si:dkey-10p5.7
qifan_comp142165_c0_se		
q2	XP_001920348.4	si:dkey-112e17.1
qifan_comp134939_c1_se		
q5	XP_005162665.1	si:dkey-12l12.1
qifan_comp192533_c0_se		
q1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0		
_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq		
1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3		
_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_se		
q1	XP_005161868.1	si:dkey-286j15.1
qifan_comp63543_c0_seq		
2	XP_689978.6	si:dkey-3b8.4
ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_se		
q1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g56366.t1	AAX30342.1	SJCHGC03036 protein
qifan_comp275485_c0_se		
q1	AAX30961.2	SJCHGC09650 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_se		
q1	XP_003455942.1	small integral membrane protein 11
g15224.t1	POC850.1	Small membrane A-kinase anchor protein
g14587.t1	XP_003968174.1	small muscular protein
g55026.t1	NP_991230.1	small nuclear ribonucleoprotein polypeptides B and B1
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10310.t1	XP_003197703.1	snRNA-activating protein complex subunit 3
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g26571.t1	ACA52542.1	soluble adenyl cyclase
g5758.t1	XP_003973636.1	solute carrier family 2 facilitated glucose transporter member 9
g10967.t1	XP_003200394.1	SPARC protein 1
g6033.t1	XP_004541517.1	speriolin protein
g54349.t1	XP_004573629.1	sperm acrosome membrane-associated protein 4
g18684.t1	NP_001121704.1	sperm flagellar protein 2
g15381.t1	XP_696012.3	sperm-associated antigen 5
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
alltrinity_comp203461_c4		
_seq1	NP_001070815.1	sperm-tail PG-rich repeat-containing protein 2
g33860.t1	XP_003438016.1	splicing factor 3A subunit 2
g10119.t1	YP_002369530.1	spore germination protein ger1A
g15066.t1	XP_002370056.1	SRS domain-containing protein
g15819.t1	AAI63449.1	SRY-box containing gene 5
g57413.t1	PF04503.8	SSDP
g54491.t1	XP_001340114.1	stAR-related lipid transfer protein 13
g15561.t1	EMS57593.1	Stellacyanin
g36178.t1	AGM53488.1	Stra8
g33229.t1	P18899	Stress protein DDR48
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
g15021.t1	B2GV06	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
g11934.t1	NP_001012515.1	sugar transporter SWEET1
alltrinity_comp181296_c1		
_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g1399.t1	XP_001338522.1	synapse differentiation-inducing gene protein 1

g55620.t1	NP_001018339.1	synaptonemal complex central element protein 2
g43048.t1	XP_691385.2	synaptotagmin-6
g6756.t1	Q5SQE2	Syntaxin-binding protein 5
g55678.t1	NP_001006076.2	TBC1 domain family member 16
g29116.t1	XP_002662910.2	t-cell immunomodulatory protein
147_ccaa	AAB94920.1	T-cell receptor beta variable region
cdna_aby_k93:245501	XP_005168366.1	T-cell surface antigen CD2
g31454.t1	ADM15562.1	Tcf4
g56562.t1	AAD56899.1	TCR beta variable region
g34751.t1	XP_004541587.1	tenascin
g18472.t1	XP_691552.5	teneurin-1
g19828.t1	XP_692960.1	testis development-related protein
qifan_comp120154_c0_se		
q2	XP_005157775.1	testis expressed 26
qifan_comp140222_c0_se		
q9	XP_005157609.1	testis-expressed sequence 12 protein
qifan_comp140589_c0_se		
q1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g233.t1	PF00335.15	Tetraspanin
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g49100.t1	XP_004544314.1	tetratricopeptide repeat protein 28
g27446.t1	XP_004556466.1	tetratricopeptide repeat protein 30A
g13353.t1	AAI55160.1	THO complex 6 homolog (Drosophila)
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
g40536.t1	XP_001340554.4	T-lymphocyte surface antigen Ly-9
g36919.t1	PF00229.13	TNF
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
cdna_vet_k79:5544	NP_001117782.1	toxin-1
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
g11929.t1	ADY16706.1	TPP1
g54201.t1	NP_001187755.1	trafficking protein particle complex subunit 2
g17672.t1	XP_004174253.1	trafficking protein particle complex subunit 9
qifan_comp124652_c0_se		
q2	XP_005173278.1	transcription cofactor vestigial-like protein 1
g31455.t1	P15881	Transcription factor 4
g25291.t1	XP_003458132.1	transcription factor Adf-1
g56447.t1	XP_003200395.1	transcription factor E2F2
g35606.t1	A4QNR3	Transcription factor IIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g3667.t1	WP_020235084.1	transcriptional regulator
g22449.t1	XP_001341061.1	transcriptional regulator ATRX
g16091.t1	WP_014652760.1	translation initiation factor IF-2
g52128.t1	A7MCB7	Translation machinery-associated protein 16
g55233.t1	XP_002667084.2	translational activator GCN1
qifan_comp173417_c0_se		
q1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g9471.t1	NP_001164118.1	transmembrane inner ear expressed protein
g7226.t1	XP_002667042.1	transmembrane protein 100
g38315.t1	XP_001332905.2	transmembrane protein 132C
g55844.t1	ACI69526.1	Transmembrane protein 150
alltrinity_comp196143_c0		
_seq3	XP_005170961.1	transmembrane protein 154
qifan_comp98319_c0_seq		
3	XP_006022692.1	transmembrane protein 252
qifan_comp151994_c1_se		
q2	XP_005169458.1	transmembrane protein 44
yu_k60:64634	XP_001342604.1	transmembrane protein 81
g14377.t1	PF02994.9	Transposase_22
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g20623.t1	BAA09333.1	trans-sialidase
g13314.t1	ACI14300.1	TREP
g24169.t1	XP_001341898.4	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g1688.t1	ACN10797.1	Tubulin-specific chaperone D
alltrinity_comp194932_c3		
_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g14507.t1	NP_001108536.1	tumor necrosis factor receptor superfamily member EDAR
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g47322.t1	NP_001017690.1	U11/U12 small nuclear ribonucleoprotein 25 kDa protein

g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g49861.t1	NP_001003460.1	U6 snRNA phosphodiesterase
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
g47824.t1	NP_001001886.1	ubiquitin carboxyl-terminal hydrolase 25
g12817.t1	XP_002187319.2	ubiquitin-conjugating enzyme E2 H
53_ccaa	ADO28792.1	ubiquitin-fold modifier 1
g3138.t1	NP_001108154.1	ubiquitin-protein ligase E3B
g26288.t1	XP_003444403.1	ubiquitin-related modifier 1
g42956.t1	NP_001038911.1	UBX domain-containing protein 10
g8706.t1	XP_697591.2	UBX domain-containing protein 11
g4513.t1	PF00443.24	UCH
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
pac_pacbio_411174210_1		
/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1		
/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1		
/14_3371	XP_003198842.1	uncharacterized LOC100537199
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410032321_1		
/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
pac_pacbio_409754118_2		
/13_1631	XP_005163381.1	uncharacterized LOC101884547
alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
ncbimma_375923203	XP_005169161.1	uncharacterized LOC101886252
qifan_comp13837_c0_seq1	XP_688024.4	uncharacterized LOC559576
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
pac_pacbio_41177655_2		
/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
g10120.t1	XP_002661405.1	uncharacterized protein C12orf56
g15735.t1	XP_003447873.1	uncharacterized protein C14orf28
g53806.t1	NP_001013486.1	uncharacterized protein C15orf43
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g29057.t1	NP_001187951.1	uncharacterized protein C16orf45
g43632.t1	XP_003198174.1	uncharacterized protein C17orf104
g38594.t1	Q810M6	Uncharacterized protein C17orf97
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
454_FWM5MQA02IX9EO	NP_001188116.1	uncharacterized protein c1orf43
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
g6954.t1	EOB05541.1	Uncharacterized protein C21orf62
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
qifan_comp149104_c2_seq13	NP_001187887.1	uncharacterized protein c22orf25
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g11134.t1	XP_004559145.1	uncharacterized protein C2orf47 homolog, mitochondrial
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73

yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_se		
q1	XP_006120615.1	uncharacterized protein C9orf152
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g32708.t1	Q54G14	Uncharacterized protein DDB_G0290685
alltrinity_comp1212_c0_s		
eq1	XP_003197967.1	uncharacterized protein DDB_G0292642
g33673.t1	XP_691812.1	uncharacterized protein DKFzp76211415
g52823.t1	XP_001344930.1	uncharacterized protein DKFzp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
skin_comp68504_c1_seq2	XP_005157900.1	uncharacterized protein KIAA0408
g8277.t1	XP_003961513.1	uncharacterized protein KIAA0556
g3770.t1	O94854	Uncharacterized protein KIAA0754
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g6002.t1	NP_001082917.1	uncharacterized protein LOC100000104
g19233.t1	NP_001091661.1	uncharacterized protein LOC100000539
qifan_comp140766_c0_se		
q4	XP_001341792.1	uncharacterized protein LOC100001877
qifan_comp269764_c0_se		
q1	XP_005161697.1	uncharacterized protein LOC100003040
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0		
_seq1	XP_001344672.4	uncharacterized protein LOC100005689
qifan_comp118731_c1_se		
q1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3		
_seq17	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp248375_c0_se		
q1	XP_005159349.1	uncharacterized protein LOC100034462
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
skin_comp46055_c0_seq1	NP_001092726.1	uncharacterized protein LOC100093702
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq		
1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
qifan_comp217531_c0_se		
q1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
g23702.t1	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp140980_c0_se		
q14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_se		
q1	NP_001164414.1	uncharacterized protein LOC100327252
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
qifan_comp117409_c0_se		
q1	XP_002664710.1	uncharacterized protein LOC100334151
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
g13347.t1	XP_002937587.2	uncharacterized protein LOC100486046
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
g34964.t1	XP_003200192.1	uncharacterized protein LOC100534794

g2101.t1	XP_003197726.1	uncharacterized protein LOC100534836
qifan_comp158163_c0_se		
q1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
alltrinity_comp200908_c1		
_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2		
_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_se		
q1	XP_003201025.2	uncharacterized protein LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_se		
q1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp151014_c1_se		
q19	XP_005478722.1	uncharacterized protein LOC100699558
g47521.t1	XP_003447279.1	uncharacterized protein LOC100701644
pac_pacbio_410509076_1		
/O_7116	XP_005460648.1	uncharacterized protein LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g35122.t1	XP_003963312.1	uncharacterized protein LOC101065504
g27756.t1	XP_003970298.1	uncharacterized protein LOC101065532
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
qifan_comp148024_c0_se		
q4	XP_003977585.1	uncharacterized protein LOC101073491
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g49570.t1	XP_004082982.1	uncharacterized protein LOC101157745
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
qifan_comp266592_c0_se		
q1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
g41003.t1	XP_004084534.1	uncharacterized protein LOC101167763
alltrinity_comp195567_c0		
_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g54688.t1	XP_004080040.1	uncharacterized protein LOC101171781
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2		
/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
pac_pacbio_410677548_1		
/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433

alltrinity_comp195567_c0		
_seq17	XP_004549109.1	uncharacterized protein LOC101468782
g22535.t1	XP_004576354.1	uncharacterized protein LOC101468882
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g8369.t1	XP_004553620.1	uncharacterized protein LOC101470917
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g15567.t1	XP_004545568.1	uncharacterized protein LOC101471829
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
alltrinity_comp200229_c0		
_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g33815.t1	XP_004555390.1	uncharacterized protein LOC101478874
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
pac_pacbio_410347379_1		
/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g48133.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
g23913.t1	XP_004559932.1	uncharacterized protein LOC101487865
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
pac_pacbio_411634889_4		
/7_2100	XP_004916525.1	uncharacterized protein LOC101733395
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
alltrinity_comp57308_c0		
_seq1	XP_004914719.1	uncharacterized protein LOC101733949
qifan_comp995407_c0_seq		
1	XP_004918303.1	uncharacterized protein LOC101734130
g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_se		
q2	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp152883_c0_se		
q11	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_se		
q1	XP_005170692.1	uncharacterized protein LOC101883546
ncbimrna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
blue_Contig72773.1_1348		
9	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
alltrinity_comp161516_c0		
_seq1	XP_005460762.1	uncharacterized protein LOC102076945
alltrinity_comp149625_c0		
_seq2	XP_005473705.1	uncharacterized protein LOC102078762
pac_pacbio_409643086_1		
/10_5139	XP_005466369.1	uncharacterized protein LOC102080911
pac_pacbio_412372638_2		
/0_2381	XP_005457242.1	uncharacterized protein LOC102081353
qifan_comp188344_c0_se		
q1	XP_005462186.1	uncharacterized protein LOC102081513
alltrinity_comp207891_c0		
_seq5	XP_005451783.1	uncharacterized protein LOC102082977
qifan_comp145476_c1_se		
q19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3		
_seq7	XP_005750376.1	uncharacterized protein LOC102205394

skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
qifan_comp255785_c0_se		
q1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
qifan_comp140032_c0_se		
q2	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_se		
q1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_411706673_3		
/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4		
_seq4	XP_006637780.1	uncharacterized protein LOC102694700
pac_pacbio_409885893_1		
/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_se		
q1	XP_006628321.1	uncharacterized protein LOC102698607
pac_pacbio_411813263_2		
/13_1292	XP_006810778.1	uncharacterized protein LOC102775714
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_409681842_2		
/O_1762	XP_006817019.1	uncharacterized protein LOC102808054
pac_pacbio_410926873_3		
/3_3465	XP_007071937.1	uncharacterized protein LOC102935427
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42142.t1	NP_954967.1	uncharacterized protein LOC321250
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
g37316.t1	NP_956824.1	uncharacterized protein LOC393502
g25407.t1	NP_001124069.1	uncharacterized protein LOC492631
g23854.t1	NP_001014343.1	uncharacterized protein LOC541508
qifan_comp240023_c0_se		
q1	XP_005155600.1	uncharacterized protein LOC552925
qifan_comp106260_c0_se		
q2	NP_001073426.1	uncharacterized protein LOC555281
alltrinity_comp209129_c0		
_seq1	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_se		
q1	XP_683419.4	uncharacterized protein LOC555734
g41816.t1	NP_001082841.1	uncharacterized protein LOC555881
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
alltrinity_comp208335_c1		
_seq1	NP_001121707.1	uncharacterized protein LOC556245
alltrinity_comp168542_c0		
_seq1	NP_001116711.1	uncharacterized protein LOC557488
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
qifan_comp135140_c0_se		
q1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_se		
q2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_seq		
1	NP_001122173.1	uncharacterized protein LOC560193
qifan_comp153125_c1_se		
q8	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
qifan_comp94690_c0_seq		
1	NP_001020723.2	uncharacterized protein LOC568418
g42132.t1	NP_001185793.1	uncharacterized protein LOC568697
g27434.t1	NP_001073507.1	uncharacterized protein LOC568780
g2494.t1	NP_001103295.1	uncharacterized protein LOC569067
g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g29942.t1	XP_698250.3	uncharacterized protein LOC569751
qifan_comp268193_c0_se		
q1	XP_706537.4	uncharacterized protein LOC570021
g48839.t1	NP_001013590.1	uncharacterized protein LOC570187
qifan_comp124662_c0_se		
q1	NP_001139083.1	uncharacterized protein LOC571915
g54526.t1	XP_795564.3	uncharacterized protein LOC590884

g55412.t1	XP_796845.3	uncharacterized protein LOC592216
pac_pacbio_411882431_1		
/O_1017	XP_003726079.1	uncharacterized protein LOC764337
g8283.t1	XP_001233307.2	uncharacterized protein LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
alltrinity_comp205951_c0		
_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_se		
q3	NP_001093529.1	uncharacterized protein LOC797776
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g7702.t1	O96185	Uncharacterized protein PFB0460c
qifan_comp286758_c0_se		
q1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_se		
q1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_se		
q1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_se		
q3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
qifan_comp145922_c0_se		
q1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_se		
q1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_se		
q1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0		
_seq2	XP_003199369.2	uncharacterized protein si:dkey-106i3.7
qifan_comp212556_c0_se		
q1	XP_706384.2	uncharacterized protein si:dkey-12l12.1
qifan_comp104923_c0_se		
q1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_se		
q1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1		
/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_se		
q1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
pac_pacbio_410166675_1		
/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_se		
q1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM
g29898.t1	NP_114199.1	unknown
qifan_comp181544_c0_se		
q1	AAI33100.1	Unknown (protein for IMAGE:6523990)
qifan_comp141850_c0_se		
q5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g1042.t1	CAF89551.1	unnamed protein product
alltrinity_comp210374_c2		
_seq3	CAM60077.1	unnamed protein product
alltrinity_comp184019_c0		
_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_se		
q7	CAG11586.1	unnamed protein product
pac_pacbio_410267174_1		
/O_1261	CAG06189.1	unnamed protein product
pac_pacbio_411392801_1		
/O_2175	CAG06189.1	unnamed protein product
g867.t1	NP_001187456.1	upf0405 protein c3orf75
g8227.t1	XP_004547440.1	UPF0444 transmembrane protein C12orf23
g31667.t1	NP_001188155.1	upf0449 protein c19orf25
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
g17860.t1	NP_001187769.1	upf0568 protein c14orf166
alltrinity_comp159642_c0		
_seq1	XP_003200769.1	UPF0732 protein C1orf227
g27445.t1	XP_694540.3	UPF0764 protein C16orf89
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g32414.t1	XP_003442715.1	urocortin-3
g36984.t1	NP_001074085.2	vacuolar protein sorting-associated protein 8
g21428.t1	NP_991297.1	vascular endothelial growth factor C

qifan_comp240494_c0_se		
q1	XP_005166968.1	very low-density lipoprotein receptor
g50711.t1	XP_003451921.1	vestarin-D1
g4037.t1	ABW96364.1	vitellogenin
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g30214.t1	XP_003454581.1	voltage-gated potassium channel subunit beta-2
g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g37107.t1	XP_003454687.1	VPS10 domain-containing receptor SorCS3
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g16736.t1	NP_001002726.2	WD repeat and HMG-box DNA-binding protein 1
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g13481.t1	XP_695006.1	WD repeat-containing protein 67
g37521.t1	XP_003788483.1	WD repeat-containing protein 7
g56266.t1	XP_003974950.1	WSC domain-containing protein 2
alltrinity_comp203478_c0		
_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g34003.t1	AAI71390.1	Xeroderma pigmentosum, complementation group C
cdna_clc_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1		
_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g20059.t1	AAI52526.1	Zcchc71 protein
g20237.t1	PF00098.18	zf-CCHC
g12818.t1	AAI67442.1	Zgc:110585 protein
qifan_comp175963_c0_se		
q1	XP_005162501.1	zgc:112994
g53502.t1	AAH83440.1	Zgc:114034 protein
qifan_comp138472_c0_se		
q3	AAI22237.1	Zgc:153317 protein
g49639.t1	AAI24324.1	Zgc:153348
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
g5606.t1	AAH56821.1	Zgc:63767 protein
alltrinity_comp228760_c0		
_seq1	XP_004030926.1	zinc C2H2 type family protein
g20115.t1	XP_003390586.1	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g9597.t1	XP_001332542.4	zinc finger CCHC domain-containing protein 7
alltrinity_comp218527_c0		
_seq1	XP_004030872.1	zinc finger cdgsh-type domain protein
alltrinity_comp194691_c2		
_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g21833.t1	XP_003198345.1	zinc finger protein 135
g11962.t1	ELK38750.1	Zinc finger protein 300
g26503.t1	XP_001342735.1	zinc finger protein 350
g40252.t1	XP_003455943.1	zinc finger protein 729
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g22005.t1	NP_001187614.1	zinc transporter zip11
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwilling B
qifan_comp38323_c0_seq		
2	XP_004073800.1	zymogen granule membrane protein 16

Supplemental table 24. Catfish specific genes compared to Atlantic cod

id	access number	Description
g41708.t1	NP_001134545.1	15.5 kDa protein
g2189.t1	XP_003963404.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
g16316.t1	NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
g56209.t1	NP_001038861.1	28S ribosomal protein S9, mitochondrial
g21961.t1	NP_001156671.1	2'-deoxynucleoside 5'-phosphate N-hydrolase 1
g50290.t1	Q1LWG3.1	39S ribosomal protein L36, mitochondrial
g24594.t1	XP_004555019.1	39S ribosomal protein L54, mitochondrial
g28775.t1	XP_003448734.1	5-azacytidine-induced protein 1
g51640.t1	PF00001.16	7tm_1
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g25180.t1	XP_700384.2	A disintegrin and metalloproteinase with thrombospondin motifs 2
g34556.t1	XP_001465588.1	A2 protein
g19098.t1	NP_001116845.1	abnormal spindle-like microcephaly-associated protein
g1303.t1	NP_957303.1	acetoacetyl-CoA synthetase
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein sla1
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g24889.t1	NP_001003986.1	actin-binding Rho-activating protein
g37026.t1	A0JME2.2	Activating transcription factor 7-interacting protein 1
g49652.t1	NP_001187460.1	acylphosphatase-2
g24652.t1	XP_004067711.1	adapter protein CIKS
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41233.t1	XP_692173.5	adenylate cyclase type 2
g33791.t1	NP_001018480.1	adenylate kinase 8
g16423.t1	Q25460	Adhesive plaque matrix protein
qifan_comp150285_c0_s1	XP_005165878.1	ADP-ribosylation factor-like protein 6-interacting protein 6
g16043.t1	BAG24411.1	adrenomedullin 5
g39916.t1	XP_686655.4	afadin
g12929.t1	P07898	Aggrecan core protein
g12954.t1	NP_001091654.1	A-kinase anchor protein 12
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g44045.t1	XP_001919948.2	a-kinase anchor protein 6
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g40176.t1	ACN11035.1	Amidophosphoribosyltransferase
g871.t1	BAF93906.1	amylopullulanase
g14291.t1	NP_001158805.1	Anaphase-promoting complex subunit 5
g35367.t1	NP_001187841.1	anaphase-promoting complex subunit CDC26
g55434.t1	AAM09278.1	androgen receptor
g45704.t1	XP_690746.2	androgen-induced gene 1 protein
g37188.t1	AAI55116.1	Ankrd10a protein
g6764.t1	NP_001186697.1	ankyrin repeat and KH domain-containing protein 1
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g43149.t1	XP_004086343.1	ankyrin repeat domain-containing protein SOWAHB
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
g9775.t1	P23529	Apolipoprotein E
100_ccaa	AHH38366.1	Apolipoprotein M
g4476.t1	NP_001032192.1	apolipoprotein O
g12007.t1	BAA00422.1	apopolysialoglycoprotein
alltrinity_comp174163_cc	NP_001187845.1	apoptosis regulatory protein siva
g11898.t1	Q9I9N6.1	Apoptosis-associated speck-like protein containing a CARD
g10452.t1	EMP31774.1	Aprataxin and PNK factor
g36566.t1	CBN81240.1	Archaemetzincin-2
g56166.t1	XP_004565640.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
g21089.t1	XP_003451946.1	arginine and glutamate-rich protein 1-B
g27238.t1	NP_001082937.1	arginyl-tRNA--protein transferase 1
g26351.t1	AAH96813.1	Ar15b protein
g31513.t1	XP_698551.4	arrestin domain-containing protein 1
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_s1	XP_005165074.1	asialoglycoprotein receptor 1
g15606.t1	XP_699804.3	aspartate--tRNA ligase, mitochondrial
g47300.t1	XP_004074397.1	AT-hook DNA-binding motif-containing protein 1
skin_comp69054_c0_seq	NP_612130.1	ATP synthase F0 subunit 6
395_ccaa	AAL93226.1	ATP synthase F0 subunit 8
alltrinity_comp348165_cc	XP_003229036.1	ATP synthase subunit epsilon, mitochondrial
qifan_comp127469_c0_s1	NP_001166108.1	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E

g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g6670.t1	XP_003457877.1	ATP-binding cassette sub-family F member 3
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g38946.t1	NP_001038332.1	ATR-interacting protein
g52356.t1	Q8WXX7	Autism susceptibility gene 2 protein
g36077.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
alltrinity_comp155303_c	NP_001188371.1	avidin
cdna_clc_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g58105.t1	NP_001029355.1	BAG family molecular chaperone regulator 5
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g39150.t1	XP_004069077.1	band 4.1-like protein 1
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g25932.t1	XP_003200724.1	barttin
g12210.t1	XP_003198670.1	basement membrane-specific heparan sulfate proteoglycan core protein
g55197.t1	Q67FY2	B-cell CLL/lymphoma 9
g10579.t1	XP_001919171.2	b-cell receptor CD22
g57770.t1	XP_004554422.1	B-cell scaffold protein with ankyrin repeat
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_s	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g45968.t1	EHB16504.1	Beclin-1
g42453.t1	NP_001139063.1	BEN domain-containing protein 3
g27926.t1	XP_004545868.1	BEN domain-containing protein 4
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g37348.t1	XP_695597.1	bestrophin-2
g24377.t1	NP_001121857.1	beta-1,4-galactosyltransferase 2
g26712.t1	NP_001018485.1	beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase
g27085.t1	XP_003439529.1	beta-adrenergic receptor kinase 2
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
g15575.t1	EPOQ11548.1	Bile salt-activated lipase
g57427.t1	NP_001188009.1	biliverdin reductase a
qifan_comp151466_c0_s	XP_005722886.1	bioorientation of chromosomes in cell division protein 1-like 1
g29331.t1	XP_003446525.1	bis(5'-adenosyl)-triphosphatase
g25335.t1	NP_001180469.1	BMP-2-inducible protein kinase
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g53754.t1	NP_001189355.1	borealin-2
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	Q1RM09	Brain acid soluble protein 1
g55784.t1	NP_001133623.1	brain protein I3
g58064.t1	PF13882.1	Bravo_FIGFY
g38526.t1	XP_003200939.1	BRCA1-A complex subunit RAP80
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g12986.t1	XP_002662035.2	butyrophilin protein 2
g3195.t1	ACI70153.1	Butyrophilin subfamily 1 member A1
g41330.t1	NP_001134905.1	Butyrophilin subfamily 2 member A2
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g18374.t1	ACQ09143.1	C8orf4
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g25960.t1	NP_571156.2	cadherin-2
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g12130.t1	XP_003976992.1	calcium-activated potassium channel subunit beta-4
g3133.t1	XP_002939992.1	calcyphosin-2
g8849.t1	NP_001159727.1	calmodulin regulated spectrin-associated protein 1a
g58264.t1	XP_001337136.2	calmodulin-lysine N-methyltransferase
pac_pacbio_411897256_	XP_005174254.1	calpain-15
g45866.t1	XP_003964885.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
g46963.t1	XP_004553900.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g46853.t1	XP_002662526.2	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g25927.t1	NP_001187127.1	caspase 8

qifan_comp208517_c0_s4	AAG45230.1	Caspy2
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g39939.t1	XP_004550729.1	cation-independent mannose-6-phosphate receptor
g41000.t1	NP_001108363.1	cbp/p300-interacting transactivator 1
g41646.t1	ACA48500.1	Cbp/p300-interacting transactivator 3b
g37481.t1	XP_004549685.1	CBP80/20-dependent translation initiation factor
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g57386.t1	ABA54949.1	CC chemokine SCYA101
g57387.t1	AAT52141.1	CC chemokine SCYA107
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g57385.t1	NP_001187124.1	CC chemokine SCYA112
alltrinity_comp188056_c1	AAZ99069.1	CC chemokine SCYA114B
g42257.t1	ABA54962.1	CC chemokine SCYA115
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
qifan_comp140824_c0_s4	BAA31459.1	CC chemokine-1
g13242.t1	BAB39135.1	CD11-2
qifan_comp131987_c0_s4	XP_005172686.1	CD209 antigen-like protein C
g27498.t1	XP_003459734.1	CD2-associated protein
172_ccaa	ACN96560.1	CD3 gamma/delta
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
g7895.t1	ACM09142.1	CD9 antigen
g44129.t1	ADD70243.1	CD93 antigen
qifan_comp145973_c0_s4	XP_005159981.1	CD99 molecule
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g812.t1	XP_003977471.1	CDC42 small effector protein 2
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g15889.t1	NP_001007429.1	cell adhesion molecule 4
g12467.t1	NP_001038757.2	cell death regulator aven
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
qifan_comp137693_c0_s4	XP_003199235.2	cell surface glycoprotein CD200 receptor 1-A
alltrinity_comp209178_c4	XP_001920764.4	cell wall protein DAN4
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g47529.t1	XP_001919236.3	centriolin
g16995.t1	XP_697409.4	centromere protein J
g25618.t1	NP_001140135.1	Centromere protein Q
qifan_comp151822_c7_s4	XP_001335405.3	centromere protein U
yu_Contig20690	XP_709181.2	centromere protein W
g39961.t1	XP_003986560.1	centrosomal protein 85kDa
g44104.t1	NP_001091860.1	centrosomal protein kizuna
g31847.t1	XP_003452178.1	centrosomal protein of 192 kDa
g41823.t1	P85001	Centrosomal protein of 290 kDa
g12558.t1	NP_001108048.1	centrosomal protein of 70 kDa
alltrinity_comp197052_c2	XP_005169029.1	centrosomal protein of 89 kDa
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
g12136.t1	AAH90910.1	CFDP1 protein
pac_pacbio_410079617_	EMP39401.1	CGG triplet repeat-binding protein 1
g10206.t1	NP_001098184.1	cGMP-dependent protein kinase I alpha
g33242.t1	3CQQ_A	Chain A, Crystal Structure Of A F-Lectin (Fucolectin) From Morone Saxatilis (Striped Bass) Serum
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g4950.t1	1NJ9_L	Chain L, Cocaine Hydrolytic Antibody 15a10
g10085.t1	NP_001154046.1	Checkpoint protein HUS1
g4046.t1	AAQ01587.1	chemokine
g22630.t1	NP_001107067.1	chemokine (C-C motif) ligand 20
qifan_comp131006_c0_s4	BAF98240.1	chemokine CCL-C25a
g5292.t1	XP_002662920.1	chemokine factor
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g31981.t1	NP_001187454.1	cholecystokinin
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g29509.t1	AAI62594.1	Chordin
g48783.t1	NP_001013311.1	chromatin accessibility complex protein 1
g10381.t1	XP_697956.3	chromodomain-helicase-DNA-binding protein 7
g53864.t1	XP_004067485.1	chromodomain-helicase-DNA-binding protein 9
g44608.t1	XP_706416.1	chromosomal protein D1
YY_jcf4779523	XP_001892369.1	Circumsporozoite protein
g34457.t1	AAI09460.1	Citrate lyase beta
g49852.t1	XP_003201433.1	c-Jun-amino-terminal kinase-interacting protein 1
alltrinity_comp199220_c1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g56425.t1	XP_001333025.2	claudin-23
g22146.t1	XP_004573943.1	c-Maf-inducing protein

cdna_clc_378603	XP_005946660.1	coagulation factor XI
g44515.t1	ACO13723.1	Coblyrinic acid a,c-diamide adenosyltransferase, mitochondrial
g33332.t1	XP_003972110.1	coiled-coil and C2 domain-containing protein 1A
g47640.t1	XP_004828389.1	coiled-coil domain containing 180
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 103
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
g38240.t1	NP_001038595.2	coiled-coil domain-containing protein 11
g49863.t1	NP_001006061.1	coiled-coil domain-containing protein 113
g9791.t1	NP_001076522.1	coiled-coil domain-containing protein 146
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g39539.t1	XP_002666418.2	coiled-coil domain-containing protein 15
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g34576.t1	XP_003924188.1	coiled-coil domain-containing protein 158
blue_Contig81311.1_850	XP_005990428.1	coiled-coil domain-containing protein 160
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
g39833.t1	NP_001020655.2	coiled-coil domain-containing protein 167
qifan_comp145183_c0_s4	XP_001341200.4	coiled-coil domain-containing protein 17
g27379.t1	XP_003995555.1	coiled-coil domain-containing protein 171
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g3420.t1	Q1LX29.2	Coiled-coil domain-containing protein 79
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g23148.t1	NP_001038849.1	coiled-coil domain-containing protein 85C-A
g46290.t1	XP_004559632.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 5
g45658.t1	NP_571587.1	coilin
g34272.t1	NP_001187666.1	colipase
g42838.t1	XP_004077473.1	collagen alpha-1(I) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g28667.t1	XP_697241.3	collagen alpha-1(XVII) chain
g52903.t1	XP_001332035.3	collagen alpha-1(XXI) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g57796.t1	XP_004554451.1	collagen alpha-1(XXV) chain
g12877.t1	XP_002193897.1	collagen alpha-1(XXVII) chain B
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g10582.t1	P27393	Collagen alpha-2(IV) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
g38231.t1	ACNG62221.1	complement C1q subcomponent subunit A
g32356.t1	XP_004076492.1	complement factor B
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g13094.t1	XP_002771495.1	conserved hypothetical protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g51165.t1	XP_001919314.2	contactin-associated protein 2
g53343.t1	XP_003386867.1	copine-8
59_ccaa	ADO28627.1	copper transport protein atox1
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g45182.t1	XP_004557712.1	cordon-bleu protein-like 1
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticoliberin
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g39559.t1	AAH98871.1	Crfb12 protein
g13301.t1	XP_004080839.1	crossover junction endonuclease EME1
g47993.t1	NP_571167.1	cryptic protein
g14948.t1	XP_003978668.1	CST complex subunit CTC1
g32285.t1	XP_003198883.1	CTTNBP2 N-terminal-like protein
g56934.t1	AGM34086.1	c-type lysozyme
g50715.t1	XP_004560147.1	CUB domain-containing protein 1
qifan_comp273020_c0_s4	XP_005810439.1	c-X-C chemokine receptor type 2
qifan_comp141134_c0_s4	XP_005165469.1	C-X-C motif chemokine 11
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g6897.t1	NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g44200.t1	AAI62591.1	Cysteine rich transmembrane BMP regulator 1 (chordin like)
g12907.t1	ELK14124.1	Cysteine-rich motor neuron 1 protein
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
g20977.t1	NP_001038348.1	cystic fibrosis transmembrane conductance regulator
g18839.t1	NP_001002192.1	cytidine monophosphate-N-acetylneuraminic acid hydroxylase
116_ccaa	ABB86552.1	cytochrome b
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
qifan_comp153672_c0_s4	YP_006460072.1	cytochrome c oxidase subunit II
qifan_comp94331_c0_s4	NP_612131.1	cytochrome c oxidase subunit III
g33592.t1	XP_692712.4	cytoskeletal protein Sojo
g8392.t1	XP_692458.2	cytospin-A
yu_k56:2035505	NP_001187144.1	DAP10

g12893.t1	XP_001340996.1	dapper homolog 3
g19563.t1	AAI33997.1	Daxx protein
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g19818.t1	NP_001038671.1	DBH-like monooxygenase protein 1
g34660.t1	XP_683798.2	DC-STAMP domain-containing protein 1
g9913.t1	XP_682800.2	DDB1- and CUL4-associated factor 15
g30928.t1	PF13358.1	DDE_3
g40936.t1	XP_003199045.1	death domain-containing protein 1
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g8137.t1	ACO09314.1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial
g20849.t1	XP_689212.5	DENN domain-containing protein 1A
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g11060.t1	NP_001187913.1	derlin-1
g51484.t1	XP_003201445.1	diacylglycerol kinase zeta
g1317.t1	NP_001102477.2	DIS3 mitotic control homolog (<i>S. cerevisiae</i>)-like 2
g35636.t1	XP_003455577.1	disabled homolog 2-interacting protein
g44424.t1	XP_002807520.1	disintegrin and metalloproteinase domain-containing protein 12
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g17889.t1	NP_999893.1	disks large homolog 4
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g4250.t1	EMC90093.1	DNA damage-binding protein 1
g41202.t1	NP_001012518.1	DNA endonuclease RBBP8
g1983.t1	XP_004571720.1	DNA excision repair protein ERCC-6
g1065.t1	NP_001119860.1	DNA ligase 1
g47652.t1	NP_001103184.1	DNA mismatch repair protein Msh3
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g50305.t1	XP_686065.4	DNA polymerase sigma
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g17934.t1	XP_003453064.1	DNA polymerase zeta catalytic subunit
g26279.t1	XP_002663552.1	DNA repair protein SWI5
79_ccaa	AHH42422.1	DNA repair protein XRCC4
g52695.t1	XP_001332164.1	DNA-directed RNA polymerase I subunit RPA43
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g45475.t1	NP_001017648.1	dnaJ homolog subfamily C member 28
378_ccaa	ADO28725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
alltrinity_comp204129_cc	XP_006630963.1	DPY30 domain-containing protein 1
g52531.t1	AAH95826.1	Dre1 protein
g51992.t1	QSRD73	Dual specificity protein phosphatase 3
g43539.t1	XP_683848.1	dual specificity testis-specific protein kinase 1
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g51855.t1	PF05300.6	DUF737
g26446.t1	PF05673.8	DUF815
g37466.t1	Q6DCP6	Dymeclin
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
g39402.t1	XP_003978902.1	dynein heavy chain 9, axonemal
yu_Contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g42831.t1	XP_002664120.2	dystonin
g39031.t1	NP_775381.1	dystroglycan
g56136.t1	AAI62536.1	Dzip1 protein
g11061.t1	NP_001187443.1	e3 sumo-protein ligase nse2
g27934.t1	XP_003451169.1	E3 ubiquitin/ISG15 ligase TRIM25
alltrinity_comp198963_cc	XP_005165431.1	E3 ubiquitin-protein ligase ARIH2
g54146.t1	XP_001922708.1	e3 ubiquitin-protein ligase Arkadia
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g2715.t1	O95714	E3 ubiquitin-protein ligase HERC2
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g47469.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g40365.t1	XP_004079095.1	E3 ubiquitin-protein ligase RNF220
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g7829.t1	XP_001921590.3	E3 ubiquitin-protein ligase UBR2
g49877.t1	NP_957164.1	E3 ubiquitin-protein ligase znrf1
g26829.t1	ASWVAA0	E3 ubiquitin-protein ligase ZNRF3

g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26237.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
yu_Contig27955	XP_006633449.1	EF-hand calcium-binding domain-containing protein 10
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
alltrinity_comp200599_c1	XP_006633160.1	EF-hand calcium-binding domain-containing protein 6
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp73008_c0_sct	XP_003199438.1	EKC/KEOPS complex subunit LAGE3
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g27683.t1	XP_001922506.1	ensconsin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g10697.t1	ABB52640.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g38391.t1	NP_990515.1	ephrin-A5
g54347.t1	ACO50712.1	EPS15
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g30208.t1	XP_694955.2	ERBB receptor feedback inhibitor 1
g12959.t1	NP_001187003.1	estrogen receptor
g40461.t1	ACO08967.1	Eukaryotic translation initiation factor 3 subunit 3
g18410.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g47020.t1	AAI29289.1	Evi5 protein
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g6236.t1	NP_001134258.1	FAM100A
g46879.t1	NP_001187587.1	fam183a
g27677.t1	NP_001003466.1	family with sequence similarity 122B
alltrinity_comp198906_c1	XP_005739109.1	Fanconi anemia group A protein
g36769.t1	XP_001341227.3	Fanconi anemia-associated protein of 100 kDa
g34357.t1	PF02106.10	Fanconi_C
g53623.t1	Q6PIJ6	F-box only protein 38
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g25910.t1	AAO74862.1	fetuin long form
g9458.t1	XP_001920056.1	FH2 domain-containing protein 1
g42084.t1	NP_001082995.1	fibroblast growth factor binding protein 2b
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g42085.t1	NP_001135347.1	Fibroblast growth factor-binding protein 1
g52067.t1	Q802A9	Fibroblast growth factor-binding protein 2
g25573.t1	NP_001087064.1	fibronectin type III domain containing 3A
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
yu_Contig6357	XP_006632574.1	fibrous sheath-interacting protein 1
g58004.t1	YP_123587.1	FimV protein
qifan_comp121580_c0_sct	P68512.1	Fish-egg lectin
g42043.t1	ACI69960.1	FLJ25371
g40209.t1	XP_004575319.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1
g18881.t1	BAJ19137.1	forkhead box L2
g54810.t1	ACJ36222.1	forkhead box P1b
qifan_comp133841_c0_sct	XP_001332860.3	FOS-like antigen 1b
g27972.t1	NP_001131133.1	Fras1 related extracellular matrix protein 2b
g20767.t1	XP_003974564.1	frataxin, mitochondrial
g43994.t1	XP_001928822.1	frizzled-3
g54721.t1	XP_002662654.1	fucolectin-1
qifan_comp146158_c0_sct	NP_001188353.1	FXD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
g29356.t1	XP_001919894.2	FYVE, RhoGEF and PH domain-containing protein 5
g39700.t1	NP_001093450.1	FYVE, RhoGEF and PH domain-containing protein 6
g31857.t1	XP_004573609.1	G patch domain-containing protein 4
g38823.t1	Q6ZVF9	G protein-regulated inducer of neurite outgrowth 3
blue_Contig67003.1_390f	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g48426.t1	AAI00037.1	G2e3 protein
g34959.t1	NP_001182171.1	g6f
g13782.t1	XP_002133577.1	GA22973
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g30440.t1	CBN80957.1	Gag-protease
g56881.t1	NP_001074081.1	galactose-1-phosphate uridylyltransferase
qifan_comp52895_c0_sct	XP_005163007.1	galaxin
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36640.t1	NP_001140110.1	Gap junction beta-5 protein
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide
g6093.t1	P29007	Gastrin-releasing peptide
g52460.t1	PF07699.8	GCC2_GCC3
g42844.t1	XP_689825.5	GDNF family receptor alpha
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g36489.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A

g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
alltrinity_comp206413_c1	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g41195.t1	XP_004556497.1	glutamine-rich protein 2
skin_comp42119_c0_seq	NP_001134169.1	glutaredoxin-like protein YDR286C
g25651.t1	AAC96120.1	glycinamide ribonucleotide transformylase
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g56286.t1	F1QCC6	Glypican-1
g27664.t1	XP_688014.3	glypican-3
g31822.t1	NP_001188464.1	GON-4-like protein
g3034.t1	YP_302666.1	gp140
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
g23274.t1	XP_683776.5	GRAM domain-containing protein 1A
yu_k62:1649929	NP_001094418.2	granulito
g18790.t1	AEW22781.1	growth hormone receptor
qifan_comp112233_c0_seq	XP_005157000.1	growth-regulated alpha protein
g24953.t1	ACI33817.1	GTase I/II family member 4
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g2397.t1	NP_001002343.1	guanylate binding protein 1
g26899.t1	EHBO9859.1	Guanylate cyclase soluble subunit beta-2
g25722.t1	NP_001187735.1	guanylin
g37402.t1	NP_001187428.1	haloacid dehalogenase-like hydrolase domain-containing protein 1a
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g29914.t1	ELW69465.1	HBS1-like protein
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g45611.t1	XP_003450103.1	HEAT repeat-containing protein 2
g25287.t1	NP_001188049.1	heat shock protein beta-11
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g40525.t1	NP_001188323.1	hepcidin
g37952.t1	XP_004077438.1	Hermansky-Pudlak syndrome 6
alltrinity_comp190625_c1	XP_005457724.1	HERV-H LTR-associating protein 1
skin_comp69465_c0_seq	NP_001007312.1	high mobility group nucleosome-binding domain-containing protein 3
ncbimrna_375794568	NP_997845.1	high mobility group protein HMGI-C
pac_pacbio_411701930_1	EHH64134.1	Histone acetyltransferase MYST3
g10908.t1	XP_685659.4	histone deacetylase 5
g23517.t1	XP_690894.2	histone H3.v1
g42024.t1	NP_001002456.1	histone-lysine N-methyltransferase SETD7
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g30727.t1	NP_001073628.1	homeodomain interacting protein kinase 3b
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g1733.t1	NP_001107887.2	hydrocephalus inducing
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AUDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
pac_pacbio_409879891_1	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g5480.t1	XP_002609682.1	hypothetical protein BRAFLDRAFT_123581
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684

g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
pac_pacbio_409519191_	ELT94797.1	hypothetical protein CAPTEDRAFT_208381
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_158:	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g21052.t1	XP_002614835.1	hypothetical protein CLUG_04850
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
YY_jcf4847460	EFN69835.1	hypothetical protein EAG_11453
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
blue_Contig67300.1_206:	EFN76041.1	hypothetical protein EAI_16144
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g10092.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c	XP_004030402.1	hypothetical protein IMG5_161750
alltrinity_comp226493_c	XP_004023860.1	hypothetical protein IMG5_203750
g26906.t1	EHJ64573.1	hypothetical protein KGM_05799
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein LU0641

g33241.t1	NP_965518.1	hypothetical protein LJ1711
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g23651.t1	XP_001340864.1	hypothetical protein LOC100005485
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10596.t1	XP_003200637.1	hypothetical protein LOC100034587
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g48374.t1	XP_001921749.3	hypothetical protein LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g12971.t1	XP_001919813.2	hypothetical protein LOC100150366
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10383.t1	XP_001922042.3	hypothetical protein LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g31988.t1	XP_002664361.1	hypothetical protein LOC100329833
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g21958.t1	XP_002664136.2	hypothetical protein LOC100330539
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g20608.t1	XP_002661760.2	hypothetical protein LOC100330775
g17427.t1	XP_002660724.2	hypothetical protein LOC100330837
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g24861.t1	XP_002665640.2	hypothetical protein LOC100331092
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g25655.t1	XP_002664349.2	hypothetical protein LOC100331351
g45875.t1	XP_002663377.2	hypothetical protein LOC100331483
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g57841.t1	XP_002662026.2	hypothetical protein LOC100333032
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g17439.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g28698.t1	XP_003197997.1	hypothetical protein LOC100534713
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g3116.t1	XP_003199773.1	hypothetical protein LOC100535494
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g8735.t1	XP_003201317.1	hypothetical protein LOC100535501
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g28564.t1	XP_003198618.1	hypothetical protein LOC100535945
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g18154.t1	XP_003200310.1	hypothetical protein LOC100536514
g23318.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160

g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g48486.t1	XP_003199820.1	hypothetical protein LOC100537710
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
alltrinity_comp381973_c	XP_003230335.1	hypothetical protein LOC100551644
pac_pacbio_410784309_	XP_003390896.1	hypothetical protein LOC100636977
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g49728.t1	XP_003442423.1	hypothetical protein LOC100693951
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g29254.t1	XP_003441428.1	hypothetical protein LOC100698734
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g15750.t1	XP_003458691.1	hypothetical protein LOC100704033
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g56468.t1	XP_003445476.1	hypothetical protein LOC100711378
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g44635.t1	XP_001921158.2	hypothetical protein LOC449864
g5611.t1	XP_003200393.1	hypothetical protein LOC449979
g11709.t1	XP_002663454.2	hypothetical protein LOC450004
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g31496.t1	XP_683935.3	hypothetical protein LOC556113
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g33207.t1	XP_687197.4	hypothetical protein LOC558838
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g20117.t1	XP_690688.2	hypothetical protein LOC562197
g23109.t1	XP_690881.2	hypothetical protein LOC562403
g40833.t1	XP_692201.3	hypothetical protein LOC563749
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590

g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g21982.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g25754.t1	XP_695219.4	hypothetical protein LOC566840
g19675.t1	XP_696152.4	hypothetical protein LOC567758
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g13766.t1	XP_003201051.1	hypothetical protein LOC568716
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g40615.t1	XP_697364.2	hypothetical protein LOC568911
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g38954.t1	XP_001332567.3	hypothetical protein LOC792924
g50441.t1	XP_001333061.3	hypothetical protein LOC793321
g56119.t1	XP_001921853.2	hypothetical protein LOC794266
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g39084.t1	XP_001339544.1	hypothetical protein LOC799157
pac_pacbio_411861709_	ESP02324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_411362994_	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g57576.t1	ELR61013.1	hypothetical protein M91_09415
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
blue_Contig24375.1_152;	EFB19264.1	hypothetical protein PANDA_012508
g42457.t1	YP_660931.1	hypothetical protein PatI_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PscPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	XP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_	EXX63943.1	hypothetical protein RirG_147560
g19938.t1	EIE76881.1	hypothetical protein RO3G_01585
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_409695269_	EFA13373.1	hypothetical protein TcasGA2_TC001390
pac_pacbio_410081394_	EFA11959.1	hypothetical protein TcasGA2_TC005046
g21223.t1	EEZ97438.1	hypothetical protein TcasGA2_TC011269
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054

g8045.t1	EMP41437.1	hypothetical protein UY3_01303
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g14747.t1	EMP27444.1	hypothetical protein UY3_15465
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_410817480_	AFM85458.1	hypothetical protein
g42534.t1	PF06140.8	lfi-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	lg_2
g52228.t1	P27951	IgA FC receptor
g27092.t1	NP_001117097.1	IGF binding protein 2
g29240.t1	NP_001233279.1	IL-10b protein
alltrinity_comp203448_c	AAI62934.1	IL13ra1 protein
g48544.t1	PF02372.10	IL15
qifan_comp162661_c0_s	NP_001186609.1	im:6901724
g3987.t1	AAH90763.1	Im:7138629
qifan_comp219170_c0_s	XP_684838.2	im:7140055
321_ccaa	AAL01590.1	immune-type receptor 10
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g16935.t1	P02976	Immunoglobulin G-binding protein A
g16133.t1	AAQ83459.1	immunoglobulin heavy chain variable region
g51413.t1	AAA16654.1	immunoglobulin light chain
g1746.t1	AAA82596.1	immunoglobulin light chain F class
g51417.t1	ACS94421.1	immunoglobulin light chain III variable region
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g31572.t1	XP_004553026.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g13672.t1	PF04156.9	IncA
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g19673.t1	NP_998182.1	inositol-tetrakisphosphate 1-kinase
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g17273.t1	XP_002665435.2	inositol-trisphosphate 3-kinase C
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g8254.t1	NP_001019557.1	integrin beta 4
g1340.t1	NP_001187175.1	intelectin 1
g37235.t1	AAV97700.1	interferon 4
g35958.t1	NP_001187263.1	interferon gamma
g37320.t1	ACV41808.1	interferon gamma receptor 1-1
g40560.t1	NP_001184131.1	interferon lambda receptor 1
g38884.t1	NP_001155212.1	interferon phi 4
g1316.t1	NP_001187103.1	interferon-induced GTP-binding protein Mx1
g13284.t1	NP_001187140.1	interferon-induced GTP-binding protein Mx2
g39506.t1	XP_003455952.1	interferon-induced protein 44
qifan_comp130471_c0_s	NP_001104307.1	interleukin 13 receptor, alpha 1
g46865.t1	NP_001106978.1	interleukin 23 receptor
g35959.t1	NP_001018635.1	interleukin 26
g38243.t1	NP_001106979.2	interleukin 7 receptor
g38699.t1	P43303	Interleukin-1 receptor type 2, membrane form
g29943.t1	NP_001018607.1	interleukin-1 receptor-associated kinase 1-binding protein 1
qifan_comp268761_c0_s	CAI61347.1	interleukin-11b
g18948.t1	XP_003454873.1	interleukin-12 subunit alpha
g4933.t1	XP_688141.3	interleukin-17 receptor D
g21698.t1	BAI82584.1	interleukin-17N
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
alltrinity_comp182885_c	ADB881777.1	interleukin-21
alltrinity_comp208065_c	NP_001167441.1	Interleukin-31 receptor A
yu_Contig11390	XP_005742066.1	interleukin-5 receptor subunit alpha
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
yu_Contig4862	AAN41455.1	interleukin-8 variant 3
g41324.t1	XP_003438645.1	interleukin-9 receptor
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c	XP_001334960.2	intracellular protein transport protein USO1
g4533.t1	A7MBP4.2	Intraflagellar transport protein 46
g24054.t1	P07476	Involucrin
g30719.t1	EMP37633.1	IQ domain-containing protein G
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g29494.t1	EOA98604.1	Kelch domain-containing protein 3
g56644.t1	XP_005027243.1	kelch-like protein 10
g26088.t1	XP_003440851.1	kelch-like protein 29

g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
g11313.t1	XP_004541321.1	keratinocyte-associated protein 2
g43420.t1	NP_001070758.1	KH domain-containing, RNA-binding, signal transduction-associated protein 2
g15065.t1	Q3UVC0	Kinase suppressor of Ras 2
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
g18767.t1	XP_003198769.1	kinetochore-associated protein 1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c1	AHH83757.1	kisspeptin
g45372.t1	XP_001919421.1	laccase domain-containing protein 1
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g34174.t1	NP_001017552.1	lamina associated polypeptide 1B
g56413.t1	XP_696560.3	la-related protein 1
g15807.t1	XP_002733056.1	latrophilin 2
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_s1	AGK24957.1	leptin B
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g30718.t1	XP_003200463.1	leucine-rich repeat and calponin homology domain-containing protein 3
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g48184.t1	XP_002667635.1	leucine-rich repeat neuronal protein 4
g23458.t1	XP_004668243.1	leucine-rich repeat-containing protein 1
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g46882.t1	XP_001333128.4	leucine-rich repeat-containing protein 19
g21087.t1	XP_004561425.1	leucine-rich repeat-containing protein 46
alltrinity_comp197231_c1	NP_001038339.1	leucine-rich repeat-containing protein 71
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g58077.t1	NP_001018537.1	leucine-rich repeat-containing protein C10orf11
g28311.t1	NP_001187136.1	leukocyte immune-type receptor 3
g12303.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g28347.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g13831.t1	ABI23566.1	leukocyte immune-type receptor TS32.15 L2.2b
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
alltrinity_comp205486_c1	AEA39737.1	linker for activation of T-cells family member 2
g27116.t1	XP_698710.2	lipid phosphate phosphatase-related protein type 3
g47035.t1	NP_957492.1	lipoma-preferred partner
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
alltrinity_comp205600_c1	XP_005169624.1	lisH domain-containing protein C1711.05
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g1607.t1	AAI39654.1	LOC407656 protein
g39058.t1	AAH66572.1	LOC407707 protein
g39925.t1	AAH88826.1	LOC496308 protein
g40945.t1	AAH88389.1	LOC553285 protein
g10211.t1	AAH91901.1	LOC553343 protein
g33965.t1	AAH95280.1	LOC553445 protein
g16114.t1	AAI34108.1	LOC557892 protein
g6230.t1	AAI33141.1	LOC561115 protein
g37900.t1	AAI24249.1	LOC562321 protein
qifan_comp228097_c0_s1	AAI25887.1	LOC565118 protein
qifan_comp100734_c0_s1	AAI33956.1	LOC799814 protein
g13550.t1	XP_003199558.1	low-density lipoprotein receptor class A domain-containing protein 2
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
alltrinity_comp225051_c1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060.1	LWamide I
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g31907.t1	XP_003966355.1	lymphocyte activation gene 3 protein
qifan_comp130051_c0_s1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_s1	XP_005162535.1	lymphocyte antigen 86
yu_k51:2463656	NP_001133704.1	lymphocyte cytosolic protein 2
qifan_comp191272_c0_s1	NP_001019992.1	lymphotoxin alpha
86_ccaa	AHH39989.1	LYR motif-containing protein 2
qifan_comp131070_c0_s1	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1

g37317.t1	XP_004065665.1	lysozyme C, milk isozyme
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g1124.t1	XP_004562544.1	major facilitator superfamily domain-containing protein 1
g55589.t1	NP_001003586.1	major facilitator superfamily domain-containing protein 6
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g7676.t1	PF05672.6	MAP7
yu_Contig803	NP_001133522.1	MAP7 domain-containing protein 1
g13724.t1	NP_001093562.1	MAP7 domain-containing protein 2
g50272.t1	PF02063.12	MARCKS
g52897.t1	XP_003450249.1	mastermind-like protein 2
g43530.t1	XP_004065694.1	mastermind-like protein 3
g15185.t1	XP_002735800.1	matriptase
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
qifan_comp281743_c0_sct	NP_004539198.1	max-interacting protein 1
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g6285.t1	EDL08828.1	mCG145114
g18370.t1	EDL20200.1	mCG145728
g25698.t1	XP_003441769.1	MDS1 and EVI1 complex locus protein EV1
g40659.t1	PF05669.7	Med31
g35810.t1	NP_001187889.1	meiosis expressed gene 1 protein
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
qifan_comp87917_c0_sct	NP_991162.1	membrane magnesium transporter 1
g28118.t1	XP_003201286.1	membrane protein FAM159A
g33696.t1	XP_004600126.1	membrane protein, palmitoylated 7
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
qifan_comp110320_c0_sct	NP_005160308.1	membrane-spanning 4-domains subfamily A member 15
g43218.t1	XP_003198596.1	membrane-spanning 4-domains subfamily A member 4A
g43215.t1	NP_001017670.1	membrane-spanning 4-domains, subfamily A, member 17A
qifan_comp145471_c0_sct	NP_001186650.1	membrane-spanning 4-domains, subfamily A, member 4
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
qifan_comp222623_c0_sct	NP_005169236.1	mesenteric estrogen-dependent adipogenesis protein
g13053.t1	Q09165	Mesocentin
cdna_clc_270469	XP_002665718.3	metalloendopeptidase OMA1, mitochondrial
g3959.t1	XP_004068467.1	metalloprotease TIKI2
qifan_comp149057_c3_sct	NP_001188160.1	methionine adenosyltransferase 2 subunit beta
g14285.t1	Q7ZWV9	Methionine aminopeptidase 1
g34175.t1	AAI52605.1	MGC173689 protein
g16296.t1	AAD39868.1	MHC class II antigen
g8526.t1	AAC02096.1	MHC class II beta chain
g8546.t1	ADM21330.1	MHC class IIA antigen
g1528.t1	XP_003218591.1	microsomal triglyceride transfer protein large subunit
g41437.t1	EKD17700.1	microtubule associated protein
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g46905.t1	XP_001341305.3	microtubule-associated serine/threonine-protein kinase 2
alltrinity_comp203544_cc	XP_006627139.1	microtubule-associated serine/threonine-protein kinase 4
g57053.t1	WP_684038.3	microtubule-associated tumor suppressor candidate 2
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g44023.t1	XP_002665195.2	mirror-image polydactyly gene 1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g25205.t1	ACI66099.1	Mitochondrial 28S ribosomal protein S28
g49033.t1	ACI66858.1	Mitochondrial 39S ribosomal protein L49
yu_Contig23459	XP_006801450.1	mitochondrial assembly of ribosomal large subunit protein 1
qifan_comp146731_c1_sct	NP_001187531.1	mitochondrial ATP synthase subunit e
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g38582.t1	ADO28791.1	mitochondrial cytochrome c oxidase subunit 7b
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_sct	XP_005166159.1	mitochondrial import receptor subunit TOM6
g23383.t1	ACI68782.1	Mitochondrial ribosomal protein S23
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g26119.t1	XP_004274013.1	mitogen-activated protein kinase-binding protein 1
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
g33989.t1	NP_956591.1	monoglyceride lipase
g27678.t1	NP_998534.1	motile sperm domain-containing protein 1
g53182.t1	NP_001167228.1	mRNA-capping enzyme
g9882.t1	PF09812.4	MRP-L28
g9704.t1	PF02349.10	MSG

g29511.t1	PF13984.1	MsyB
g53357.t1	Q7Z5P9	mucin19
g17478.t1	XP_004919238.1	mucin-2
g38098.t1	XP_690904.4	mucin-5AC
g28794.t1	XP_694616.4	multimerin 2
g28508.t1	Q8BH27	Multiple epidermal growth factor-like domains protein 9
g7708.t1	NP_956696.2	multiple myeloma tumor-associated protein 2
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g21743.t1	ABL61237.1	Mx protein
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g19001.t1	XP_001345218.3	MYCBP-associated protein
g22942.t1	XP_003976729.1	myelin gene regulatory factor
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_s1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g18721.t1	XP_002940277.2	myosin-11
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIb
g858.t1	AGI42757.1	myoxvirus resistance protein B
qifan_comp212465_c0_s1	NP_001133962.1	Myristoylated alanine-rich C-kinase substrate
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g48593.t1	XP_003440536.1	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1
g50234.t1	XP_001919428.3	NACHT, LRR and PYD domains-containing protein 1
g13618.t1	XP_003459946.1	NACHT, LRR and PYD domains-containing protein 12
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g1813.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
g34582.t1	CBN80989.1	N-acylethanolamine-hydrolyzing acid amidase
YY_jcf4924644	XP_001332525.3	NAD(P)(+)-arginine ADP-ribosyltransferase 2
qifan_comp135194_c0_s1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
g46085.t1	NP_001187754.1	NADH dehydrogenase (ubiquinone) 1 subunit c2
g41374.t1	XP_003450957.1	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3
qifan_comp168279_c0_s1	ACI67693.1	NADH dehydrogenase flavoprotein 3, mitochondrial
qifan_comp153915_c0_s1	NP_004285840.1	NADH dehydrogenase subunit 1
qifan_comp68083_c0_s1	YP_006576309.1	NADH dehydrogenase subunit 2
159_ccaa	AAL93229.1	NADH dehydrogenase subunit 3
qifan_comp67460_c0_s1	YP_006460078.1	NADH dehydrogenase subunit 4
158_ccaa	AAL93230.1	NADH dehydrogenase subunit 4L
blue_Contig49564.1_247	NP_612135.1	NADH dehydrogenase subunit 5
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g31483.t1	XP_682740.4	nasal embryonic luteinizing hormone-releasing hormone factor
g1139.t1	XP_001335854.3	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g31860.t1	XP_001919922.1	nestin
g35302.t1	NP_001030157.1	netrin receptor DCC
g40622.t1	AAT02665.1	neural friend of GATA-A
g45836.t1	NP_001038272.1	neuroblastoma-amplified sequence
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACJ64069.1	neuromedin s
alltrinity_comp173394_c1	XP_005160570.1	neuromedin-U
g10044.t1	P55860	Neuromodulin
g54933.t1	XP_004547602.1	neuron navigator 1
g10588.t1	NP_001038608.1	neuron navigator 3
g24956.t1	NP_899189.2	neuropeptide FF-amide peptidelike
alltrinity_comp138035_c1	XP_005159201.1	neurotensin/neuromedin N
g57275.t1	NP_001007764.1	neutral ceramidase
g29762.t1	XP_003200771.1	NHS-like 1b
g38736.t1	XP_001334053.2	NHS-like protein 2
g56736.t1	ADV31326.1	NILT3
g44058.t1	NP_001187232.1	NK-lysin type 3
alltrinity_comp330568_c1	XP_006036033.1	nmrA-like family domain-containing protein 1
qifan_comp178381_c0_s1	XP_706437.3	noncompact myelin-associated protein
qifan_comp129372_c0_s1	BAC45234.1	novel immune type receptor
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g41968.t1	NP_001187235.1	novel immune-type receptor 16
g22948.t1	CAI21354.1	novel protein
g30604.t1	CAD43417.1	novel protein similar to human FLJ12550
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g50325.t1	CAK04056.1	novel protein similar to vertebrate gamma-aminobutyric acid B receptor, 1
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2

g25772.t1	XP_004557062.1	nuclear factor 1 A-type
g48725.t1	NP_001038624.1	nuclear factor of activated T-cells, cytoplasmic 1
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g47838.t1	XP_003456196.1	nuclear fragile X mental retardation-interacting protein 2
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g9058.t1	NP_998696.1	nuclear pore complex protein Nup133
g36054.t1	Q9BW27	Nuclear pore complex protein Nup85
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g35961.t1	NP_001038285.1	nuclear protein MDM1
g51308.t1	XP_001378653.2	nuclear receptor coactivator 2
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_s	XP_005169626.1	nucleolar protein 58
g17211.t1	XP_687281.4	nucleolar protein 7
g22043.t1	XP_002664363.2	nucleolin 2
g6650.t1	AAI25813.1	Nucleoporin 107
yu_k62:1642778	NP_001025274.1	nucleoside diphosphate-linked moiety X motif 17
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g17076.t1	ABB29299.1	OCA2
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g22847.t1	ABD75623.1	orf1ab polyprotein
pac_pacbio_411116759	BAE46428.1	ORF1-encoded protein
g22933.t1	XP_004574810.1	otoancorin
g44863.t1	XP_004551458.1	otospiralin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g4855.t1	NP_001018391.1	ovarian cancer-associated gene 2 protein
g40610.t1	Q4KMM3	Oxidation resistance protein 1
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
g15906.t1	Q62052	P protein
alltrinity_comp168207_c	XP_002661521.1	P2X purinoceptor 7
g29706.t1	AAH56084.1	P42pop protein
g24665.t1	ABW84004.1	p65 transcription factor
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g40132.t1	XP_003200749.1	palladin
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g3360.t1	Q3YV06	Pantothenate kinase
g27118.t1	XP_001375715.2	paralemmin
g56908.t1	NP_001191185.1	paralemmin-2
g41819.t1	P15743	Parathyroid hormone
cdna_vet_k47:719640	NP_998114.1	parathyroid hormone 1b
g12771.t1	ACO09629.1	Parkin
g13199.t1	XP_003200404.1	parkin coregulated gene protein
g45118.t1	XP_004086996.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g3752.t1	NP_001075043.1	pecanex-like protein 4
g57684.t1	AAH90311.1	Penk protein
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g11064.t1	YP_001107629.1	PE-PGRS family protein
g53097.t1	XP_003977360.1	peptidase M20 domain-containing protein 2
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g24098.t1	NP_001025446.1	peptidyl-tRNA hydrolase domain containing 1
g27475.t1	BAJ07835.1	perforin 1
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g30034.t1	XP_688421.4	peroxisomal membrane protein PEX14
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g27889.t1	XP_685305.1	PH and SEC7 domain-containing protein 2
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
g27672.t1	NP_956059.1	PHD finger protein 6
qifan_comp180462_c0_s	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4
g40666.t1	NP_956006.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit P
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein

g48193.t1	ACO09392.1	Phospholemman
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g15799.t1	XP_004067526.1	phosphorylase b kinase regulatory subunit beta
g54218.t1	XP_696355.4	piezo-type mechanosensitive ion channel component 1
alltrinity_comp207497_c1	XP_003458741.1	placenta-specific protein 9
g17763.t1	NP_957501.1	pleckstrin homology domain-containing family A member 3
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
alltrinity_comp202269_c1	XP_005156395.1	pleckstrin domain-containing family S member 1
g50680.t1	XP_004086701.1	plectin
g40062.t1	XP_003410187.1	plexin-A2
g30632.t1	XP_694914.3	plexin-B1
g44731.t1	XP_004553914.1	plexin-C1
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
pac_pacbio_410235439_c1	XP_005164203.1	polymeric immunoglobulin receptor
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g52345.t1	Q64693	POU domain class 2-associating factor 1
g32182.t1	WP_006288159.1	PPE-repeat protein
g35161.t1	XP_001337090.4	PR domain zinc finger protein 16
g10176.t1	XP_001631300.1	predicted protein
blue_Contig73650.1_586	XP_001785031.1	predicted protein_11_n
pac_pacbio_410237555_c1	XP_001638309.1	predicted protein_2_n
g27633.t1	EMP26585.1	Prefoldin subunit 6
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g5902.t1	AEZ56940.1	prepro-orexin
g30063.t1	P04560.1	Prepro-urotensin II-alpha
g3526.t1	EGW05636.1	Prestalk protein
qifan_comp146427_c0_s1	XP_002660420.2	primary ciliary dyskinesia protein 1
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g26911.t1	Q925B0	PRKC apoptosis WT1 regulator protein
g39518.t1	NP_001017896.1	PRKR-interacting protein 1
g23490.t1	NP_001002107.1	probable 7,8-dihydro-8-oxoguanine triphosphatase NUDT15
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g10194.t1	XP_004544307.1	probable E3 ubiquitin-protein ligase HECTD4
g3699.t1	XP_698091.2	probable E3 ubiquitin-protein ligase HERC1
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g26844.t1	Q8IZF6	Probable G-protein coupled receptor 112
qifan_comp145639_c0_s1	XP_005736736.1	probable G-protein coupled receptor 116
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g49288.t1	Q6DWW6	Probable G-protein coupled receptor 139
pac_pacbio_410179024_c1	XP_004773489.1	probable G-protein coupled receptor 148
g30166.t1	NP_001029346.1	probable G-protein coupled receptor 157
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g36333.t1	XP_686742.2	probable JmjC domain-containing histone demethylation protein 2C
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g48651.t1	ACO09716.1	Probable mitochondrial import receptor subunit TOM7
g47972.t1	XP_683670.3	probable palmitoyltransferase ZDHHC8
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
g14860.t1	XP_003970692.1	pro-epidermal growth factor
qifan_comp137126_c0_s1	O65809.1	Profilin-1
g448.t1	AAF23268.1	prolactin receptor
g35724.t1	ABD33839.1	prolactin-releasing peptide C-RFamide
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
qifan_comp148759_c1_s1	XP_695751.4	proline-rich protein 11
g16039.t1	CBN81355.1	Proline-rich protein 12
g42773.t1	XP_004556116.1	proline-rich protein 18
g27019.t1	XP_004478809.1	proline-rich protein 2
g11597.t1	NP_001189471.1	pro-melanin concentrating hormone
g37955.t1	ABB71125.1	prominin
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound
g4675.t1	NP_001130019.1	Prop-1-like homeobox protein

g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_s1	XP_003199359.2	prostate androgen-regulated mucin protein 1
g46354.t1	XP_706427.1	prostate stem cell antigen
g30811.t1	XP_004069473.1	protection of telomeres protein 1
g21232.t1	NP_001153456.1	protein AF1q
g55506.t1	XP_002661318.2	protein amnionless
g12724.t1	NP_001092924.1	protein CASC1
g41295.t1	XP_003438824.1	protein CCSMST1
g41283.t1	E7F568.2	Protein cordon-bleu
g32493.t1	XP_003973424.1	protein DDI1 homolog 2
g21349.t1	XP_003453300.1	protein delta homolog 1
g20822.t1	XP_003206010.1	protein Dok-7
skin_comp67225_c1_seq	XP_001922392.2	protein FAM104A
g29266.t1	XP_001922304.2	protein FAM107B
g27613.t1	XP_002934449.2	protein FAM149A
g22887.t1	XP_003199107.1	protein FAM150
g47603.t1	Q7T297.2	Protein FAM172A
g11254.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g561.t1	XP_002195254.2	protein FAM1881
g34409.t1	XP_001096267.1	protein FAM190A
g57503.t1	XP_004542702.1	protein FAM194A
g48523.t1	XP_004545492.1	protein FAM196B
g5332.t1	XP_003961199.1	protein FAM53B
g6892.t1	ELW61426.1	Protein Filia
g10369.t1	XP_004557223.1	protein IMPACT
g26787.t1	XP_001336768.2	protein ITFG3
g13785.t1	XP_003504247.1	protein IWS1
g10115.t1	Q1LVC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g39736.t1	Q5R327	Protein kinase C-binding protein NELL2
g12881.t1	XP_004560274.1	protein NLRC3
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g22641.t1	XP_002259357.1	protein phosphatase
g24957.t1	P01099	Protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g51448.t1	XP_700422.2	protein phosphatase 1 regulatory subunit 32
g23048.t1	NP_001038856.1	protein phosphatase 1 regulatory subunit 35
alltrinity_comp195633_cf	NP_001268852.1	protein phosphatase 1, regulatory (inhibitor) subunit 1B
g3085.t1	NP_001018354.1	protein phosphatase 1E
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq	XP_005162407.1	protein pitchfork
g53021.t1	NP_001153766.1	protein prune
g32615.t1	XP_002664838.1	protein PTHB1
g53035.t1	XP_690522.1	protein QN1
g26037.t1	XP_004540628.1	protein RD3
g31866.t1	Q8BZG5	Protein RRNAD1
g11311.t1	XP_698471.1	protein S100-A1
g32467.t1	XP_688629.4	protein SF1
g14308.t1	P18583	Protein SON
g13009.t1	XP_003970742.1	protein spinster homolog 2
225_ccaa	AHH42861.1	Protein starmaker
g44009.t1	NP_001245157.1	protein TALPID3
g45212.t1	XP_003199303.1	protein TANC1
g6472.t1	XP_002661201.2	protein TANC2
g44565.t1	XP_695457.5	protein transport protein Sec16A
g53954.t1	NP_001039313.1	protein TSSC4
g26393.t1	XP_004538477.1	protein turtle homolog A
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g55407.t1	XP_004083412.1	protein-tyrosine kinase 2-beta
g4289.t1	NP_997823.1	protocadherin 1 gamma 22
g48886.t1	Q8BNA6	Protocadherin Fat 3
g37820.t1	XP_003438412.1	protocadherin-15
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g26978.t1	ACO14094.1	Pterin-4-alpha-carbinolamine dehydratase 2
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_cf	XP_006627932.1	Purkinje cell protein 4
g13829.t1	EMC83910.1	Putative aarF domain-containing protein kinase 1
qifan_comp183223_c0_s1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g51666.t1	Q9CWU0	Putative ATP-dependent RNA helicase TDRD12
g46536.t1	XP_002938980.2	putative defense protein 3
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g13273.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein

blue_Contig74137.1_699	XP_005295324.1	putative golgin subfamily A member 6C
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g48199.t1	XP_004545472.1	putative methyltransferase NSUN7
pac_pacbio_410136248	AAD19347.1	putative nucleic acid binding protein
g30082.t1	XP_001341242.2	putative Polycomb group protein ASXL1
g44088.t1	XP_003978543.1	putative polypeptide N-acetylgalactosaminyltransferase protein 1
blue_Contig27158.1_162	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq	XP_001923521.1	putative protein TPRXL
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
XY_XY_ctg488300	CBL94163.1	putative RNA-directed DNA polymerase
alltrinity_comp390350_cc	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
skin_comp42512_c0_seq	CAF92508.1	Putative transmembrane protein LOC100289255
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein CXorf58
alltrinity_comp194731_cc	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31244.t1	XP_003197692.1	putative uncharacterized protein ENSP00000382790
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g56743.t1	XP_004066107.1	pyrin
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g41753.t1	XP_001923878.2	rab15 effector protein
g49845.t1	CBN81155.1	Rac GTPase-activating protein 1
g39836.t1	NP_001133673.1	RAD51-associated protein 1
cdna_aby_k57-953817	XP_003198269.1	RAD9, HUS1, RAD1-interacting nuclear orphan protein 1
qifan_comp177537_c0_seq	XP_003199132.1	regulator complex protein LAMTOR5
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g7107.t1	XP_003200549.1	ras GTPase-activating protein SynGAP
g53492.t1	XP_002734139.1	RAS protein activator like 1
g45143.t1	XP_685598.3	ras-associated and pleckstrin homology domains-containing protein 1
g56421.t1	NP_001096163.1	RCAN family member 3
pac_pacbio_411897453	NP_001025398.1	receptor expression-enhancing protein 2
qifan_comp152231_c2_seq	XP_003201319.2	receptor-type tyrosine-protein phosphatase H
g14844.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g27348.t1	O54829	Regulator of G-protein signaling 7
g43342.t1	XP_003978359.1	regulator of microtubule dynamics protein 2
g43233.t1	XP_004538833.1	regulatory-associated protein of mTOR
g48398.t1	BAB83841.1	ReO_6
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g26035.t1	AAT64103.1	reticulum 1-a1
g54129.t1	XP_004543134.1	retinal dehydrogenase 2
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g41619.t1	XP_003455292.1	retinoic acid receptor beta
g42908.t1	XP_003439839.1	retinoic acid-induced protein 2
g26575.t1	XP_002739124.1	RETRotransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
pac_pacbio_410446628	AAL35360.1	reverse transcriptase/ribonuclease H/putative methyltransferase
g7424.t1	XP_003201316.1	rho GTPase-activating protein 21
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g22458.t1	XP_003452401.1	rho GTPase-activating protein SYDE2
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
skin_comp65253_c0_seq	XP_001344100.3	rhomoid domain-containing protein 2
g5220.t1	CBN82191.1	Ribonuclease 3
g4447.t1	XP_001346157.4	ribonuclease inhibitor
g41041.t1	NP_001187749.1	ribonuclease P protein subunit p20
g40589.t1	NP_001135351.1	ribonuclease P protein subunit p38
144_ccaa	AAK95124.1	ribosomal protein P1
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
skin_comp61972_c0_seq	NP_001073413.1	ribosomal RNA processing protein 36
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
46_ccaa	ADO28905.1	riia domain-containing protein c1orf230
g10362.t1	XP_691626.5	RIMS-binding protein 2
g54222.t1	XP_002662988.1	RING finger protein 166
g25469.t1	XP_003443438.1	RING finger protein 212

g14749.t1	EMC80488.1	RING finger protein 213
yu_Contig21821	XP_006802786.1	RING finger protein C14orf164
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g29536.t1	XP_004706296.1	RNA binding protein fox-1 homolog 1
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g50372.t1	WP_003961220.1	RNA helicase
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq	XP_006630284.1	RNA pseudouridylyl synthase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_s1	XP_005167635.1	RNA-binding protein 44
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
skin_comp49416_c0_seq	AAH50057.1	Rnasen protein
g48238.t1	XP_004571181.1	rootletin
g8246.t1	XP_003443646.1	ropporin-1-like protein
g39570.t1	ACN10169.1	rRNA methyltransferase 1, mitochondrial
pac_pacbio_409846677_	EUB55374.1	rRNA promoter binding protein
g52285.t1	PF00078.22	RVT_1
g51369.t1	XP_003454106.1	ryanodine receptor 2
g51754.t1	Q9BY12	S phase cyclin A-associated protein in the endoplasmic reticulum
g22745.t1	XP_001921517.3	S1 RNA-binding domain-containing protein 1
g29414.t1	NP_001187730.1	s-adenosylmethionine mitochondrial carrier protein
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
g25183.t1	AAI54831.1	Sb:cb1022 protein
g250.t1	PF02023.12	SCAN
g50982.t1	EMP27478.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g40150.t1	NP_001013582.1	sec1 family domain-containing protein 2
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g25061.t1	NP_001245158.1	selectin P ligand
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp156288_c0_s1	NP_001004681.2	selenoprotein K
qifan_comp232682_c0_s1	NP_001177311.1	selenoprotein L
g23966.t1	XP_004067570.1	semaphorin-7A
qifan_comp136843_c0_s1	NP_001165083.1	serglycin
g37032.t1	XP_003976101.1	serine hydrolase protein
pac_pacbio_412191777_	XP_001333401.1	serine/arginine repetitive matrix protein 1
g23262.t1	XP_001922611.1	serine/arginine repetitive matrix protein 2
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g4821.t1	XP_004566361.1	serine/threonine-protein kinase Nek5
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g47643.t1	NP_001103754.1	serologically defined colon cancer antigen 3
alltrinity_comp205847_c1	XP_005157012.1	SERTA domain-containing protein 4
qifan_comp143170_c0_s1	BAA36700.1	serum amyloid A protein
g19962.t1	NP_001032477.1	SET and MYND domain-containing protein 3
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g33657.t1	AAI14253.1	Sft2d3 protein
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6P0R8	Shootin-1
g21471.t1	AFW98423.1	Shroom3v1
qifan_comp145793_c0_s1	XP_005163520.1	si:ch211-106h4.12
yu_Contig26491	AAI54252.1	Si:ch211-147a11.3 protein
cdna_clc_269193	AAH97239.1	Si:ch211-160d20.3 protein
qifan_comp150838_c0_s1	XP_694355.3	si:ch211-199g17.9
qifan_comp237002_c0_s1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1	XP_003197657.2	si:ch211-235f1.3
qifan_comp172105_c0_s1	XP_001344229.4	si:ch73-27e22.2
alltrinity_comp210636_c1	XP_003200089.2	si:dkey-103g5.4
qifan_comp142165_c0_s1	XP_001920348.4	si:dkey-112e17.1
qifan_comp134939_c1_s1	XP_005162665.1	si:dkey-12l12.1
qifan_comp192533_c0_s1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c1	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_s1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c1	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_s1	XP_005161868.1	si:dkey-286j15.1
cdna_clc_266768	AAH97228.1	Si:dkey-60a16.5 protein

qifan_comp234014_c0_s4	AAI07637.1	Si:dkey-67c22.2 protein
qifan_comp141671_c1_s4	AAI33988.1	Si:dkey-86e18.1 protein
ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_s4	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g22493.t1	XP_001813277.1	similar to polyprotein
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g14331.t1	AAX28387.2	SJCHGC01615 protein
g15277.t1	AAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
qifan_comp275485_c0_s4	AAX30961.2	SJCHGC09650 protein
qifan_comp213645_c0_s4	XP_002667664.3	SLAM family member 5
g31366.t1	XP_003457715.1	SLAM family member 7
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
qifan_comp132148_c0_s4	XP_003437706.1	small EDRK-rich factor 2
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_s4	XP_003455942.1	small integral membrane protein 11
g48087.t1	XP_003447288.1	small integral membrane protein 13
skin_comp67519_c0_seq	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_s4	XP_002663002.1	small integral membrane protein 20
cdna_FD350235.1	XP_002666500.1	small integral membrane protein 4
g15224.t1	POC8S0.1	Small membrane A-kinase anchor protein
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10234.t1	XP_002662240.1	smoothelin
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor 02A10
g32092.t1	AAI68505.1	Snrk protein
alltrinity_comp196652_c2	XP_001923727.1	snRNA-activating protein complex subunit 2
g15416.t1	XP_004571125.1	sodium bicarbonate cotransporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g26571.t1	ACA52542.1	soluble adenyllyl cyclase
g39956.t1	XP_682935.4	solute carrier family 35 member F1
g25677.t1	NP_001187259.1	somatostatin-1
g10967.t1	XP_003200394.1	SPARC protein 1
g56465.t1	XP_004540041.1	SPARC-related modular calcium-binding protein 1
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g28664.t1	NP_956821.1	sperm flagellar protein 1
g17980.t1	XP_689610.4	sperm-associated antigen 17
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g986.t1	NP_001133843.1	Spermatogenesis-associated protein 2
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g21831.t1	XP_690936.5	SRC kinase signaling inhibitor 1
g9228.t1	AAT68068.1	SRF6
g15066.t1	XP_002370056.1	SRS domain-containing protein
g15819.t1	AAI63449.1	SRY-box containing gene 5
g57413.t1	PF04503.8	SSDP
g12513.t1	AAI15223.1	Ssfa2 protein
g38956.t1	ABD83928.1	stabilin 1 precursor-like
g47377.t1	NP_001165106.1	stannin
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g15561.t1	EM557593.1	Stellacyanin
g30147.t1	XP_004554267.1	sterile alpha motif domain-containing protein 11
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
pac_pacbio_411494981_c1	XP_005161888.1	sterile alpha motif domain-containing protein 9
g24602.t1	AAH91991.1	Stil protein
g17541.t1	EMP40862.1	Storkhead-box protein 2
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33229.t1	P18899	Stress protein DDR48
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g40870.t1	XP_692356.4	stromal interaction molecule 2
g52433.t1	Q68FN7	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit B, mitochondrial
alltrinity_comp181296_c1	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g32554.t1	XP_004553021.1	sushi, nidogen and EGF domain-containing protein 1
g21948.t1	XP_001332100.2	synapse differentiation-inducing gene protein 1
g55620.t1	NP_001018339.1	synaptonemal complex central element protein 2
g16230.t1	XP_004937894.1	synaptonemal complex protein 3

g3059.t1	XP_004574805.1	synaptotagmin-14
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
g53406.t1	XP_003444549.1	synphilin-1
g6756.t1	Q5SQE2	Syntaxin-binding protein 5
g56557.t1	ACX42508.1	T cell receptor alpha chain
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
pac_pacbio_409902838_	NP_001094099.1	taste receptor, type 2, member 202
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g36220.t1	XP_004570054.1	TBC1 domain family member 30
g12896.t1	XP_003961983.1	T-box brain protein 1
g32976.t1	BAF37936.1	Tc1-like transposase
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
alltrinity_comp198462_c1	AEL12165.1	T-cell receptor delta
202_ccaa	AEK48174.1	T-cell receptor gamma
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
cdna_aby_k93:245501	XP_005168366.1	T-cell surface antigen CD2
g36870.t1	XP_003201454.1	t-cell surface glycoprotein CD1b3
g12829.t1	NP_001187191.1	T-cell surface glycoprotein CD3 zeta chain
g31454.t1	ADM15562.1	Tcf4
g56562.t1	AAD56899.1	TCR beta variable region
g49338.t1	NP_001140063.1	Tctex1 domain-containing protein 2
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g106.t1	XP_002663657.2	telomerase-binding protein EST1A
g51298.t1	XP_004602630.1	telomeric repeat-binding factor 1
g18472.t1	XP_691552.5	teneurin-1
g4690.t1	XP_697293.5	teneurin-2
g7378.t1	NP_571043.1	teneurin-3
g46092.t1	NP_571044.1	teneurin-4
g36209.t1	AAH96857.1	Terfa protein
g40548.t1	XP_004551170.1	testis development-related protein
qifan_comp140222_c0_s	XP_005157609.1	testis-expressed sequence 12 protein
g32429.t1	XP_003217682.1	testis-expressed sequence 264 protein
qifan_comp140589_c0_s	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g233.t1	PF00335.15	Tetraspannin
g7197.t1	NP_001007383.1	tetratricopeptide repeat protein 1
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g37104.t1	XP_787826.3	tetratricopeptide repeat protein 27
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_s	NP_001124169.1	thymosin, beta 4 x
g12839.t1	XP_003199748.1	thyroid adenoma-associated protein
g35331.t1	AFN02885.1	TIK11
g54002.t1	NP_001003452.1	TIMELESS-interacting protein
g23024.t1	NP_001187154.1	TIR-containing adaptor molecule
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g17947.t1	NP_001117830.1	tissue factor
g25093.t1	XP_001923800.1	titin
g209.t1	AEI59668.1	TLR5-1
alltrinity_comp210265_c	XP_005172207.1	T-lymphocyte surface antigen Ly-9
g36919.t1	PF00229.13	TNF
g35633.t1	ABE99697.1	TNF receptor associated factor 1
g20091.t1	NP_001118039.1	TNF superfamily member 14
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
cdna_vet_k79:5544	NP_001117782.1	toxin-1
g17693.t1	XP_003443803.1	trafficking protein particle complex subunit 9
g12020.t1	ACO13970.1	TRAF-type zinc finger domain-containing protein 1
qifan_comp79042_c0_s	XP_005156464.1	transcription elongation regulator 1-like protein
g31455.t1	P15881	Transcription factor 4
g25291.t1	XP_003458132.1	transcription factor Adf-1
g35606.t1	A4QNR3	Transcription factor IIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g53088.t1	XP_003445165.1	transcriptional protein SWT1
g22449.t1	XP_001341061.1	si:dky-1h6.8
blue_Contig22666.1_156:	XP_005170502.1	transcriptional repressor p66-alpha
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g16091.t1	WP_014652760.1	translation initiation factor IF-2

g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g30130.t1	ACD93412.1	transmembrane agrin
qifan_comp173417_c0_s1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g9471.t1	NP_001164118.1	transmembrane inner ear expressed protein
180_ccaa	ABD83932.1	Transmembrane protein 116
g25062.t1	XP_687955.1	transmembrane protein 119
blue_Contig53680.1_120	XP_005166351.1	transmembrane protein 125
cdna_c1c_281837	NP_001188212.1	transmembrane protein 126a
g43487.t1	XP_001341924.1	transmembrane protein 132D
40_ccaa	ADO29172.1	transmembrane protein 141
g55844.t1	ACI69526.1	Transmembrane protein 150
skin_comp68976_c3_seq	NP_001187956.1	transmembrane protein 167a
g33373.t1	XP_699489.3	transmembrane protein 173
g25813.t1	XP_003201087.1	transmembrane protein 221
yu_Contig5863	XP_006806380.1	transmembrane protein 241
qifan_comp98319_c0_s1	XP_006022692.1	transmembrane protein 252
qifan_comp151994_c1_s1	XP_005169458.1	transmembrane protein 44
yu_k60:64634	XP_001342604.1	transmembrane protein 81
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
g14377.t1	PF02994.9	Transposase_22
g1160.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g24169.t1	XP_001341898.4	trichohyalin
g47477.t1	XP_002661260.2	trinucleotide repeat-containing gene 18 protein
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g41591.t1	NP_001120728.2	triple QxxK/R motif-containing protein
g33613.t1	NP_001002611.1	tRNA wybutosine-synthesizing protein 3
g38932.t1	NP_001070119.1	tRNA-splicing endonuclease subunit Sen2
g12869.t1	XP_001337104.1	tropomyosin-2
g44809.t1	NP_001013341.1	tryptophanyl-tRNA synthetase, mitochondrial
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
g39417.t1	XP_005004102.1	tubulin polyglutamylase TTL11
g41079.t1	NP_571918.2	tumor necrosis factor (ligand) superfamily, member 10
alltrinity_comp194932_c1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g30260.t1	XP_004554197.1	tumor necrosis factor receptor superfamily member 1A
g39229.t1	XP_001923114.3	tumor necrosis factor receptor superfamily member 5
g11994.t1	NP_001170916.1	two pore channel 3
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g39134.t1	NP_001188274.1	type-1 angiotensin II receptor-associated protein
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g26657.t1	NP_001002673.1	U4/U6.U5 tri-snRNP-associated protein 1
g36511.t1	NP_001002488.1	UBA-like domain-containing protein 1
g4041.t1	NP_001098410.1	ubiquitin 2
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
g40840.t1	NP_001122257.1	ubiquitin
g40272.t1	XP_002665714.2	ubiquitin carboxyl-terminal hydrolase 24
53_ccaa	ADO28792.1	ubiquitin-fold modifier 1
yu_Contig7907	NP_001154176.1	UBX domain-containing protein 6
g4513.t1	PF00443.24	UCH
qifan_comp139002_c0_s1	NP_001140020.1	UDP-N-acetylglucosamine transferase subunit ALG14
g12734.t1	XP_004563698.1	uncharacterized gene 87 protein
qifan_comp131384_c0_s1	XP_001341444.4	uncharacterized LOC100001452
qifan_comp197486_c0_s1	XP_005159447.1	uncharacterized LOC100006053
qifan_comp4547_c0_seq	XP_001346356.5	uncharacterized LOC100008039
pac_pacbio_411174210_c1	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_c1	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_c1	XP_003198842.1	uncharacterized LOC100537199
pac_pacbio_410131720_c1	XP_003777772.1	uncharacterized LOC100939189
pac_pacbio_410032321_c1	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_s1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp260243_c0_s1	XP_005173993.1	uncharacterized LOC101884052
pac_pacbio_409754118_c1	XP_005163381.1	uncharacterized LOC101884547
alltrinity_comp179975_c1	XP_005167558.1	uncharacterized LOC101884636
pac_pacbio_411702949_c1	XP_005169548.1	uncharacterized LOC101885524
454_FWM5MQA02FJOBE	XP_005160982.1	uncharacterized LOC101885928
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp288745_c0_s1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_s1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_s1	XP_005161676.1	uncharacterized LOC797977
qifan_comp140251_c0_s1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
pac_pacbio_41177655_c1	XP_001892369.1	Uncharacterized protein C03B1.10
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g37206.t1	NP_001187859.1	uncharacterized protein c11orf73
qifan_comp142062_c0_s1	XP_706374.4	uncharacterized protein C11orf74
alltrinity_comp181661_c1	XP_004618573.1	uncharacterized protein C11orf85

g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g51999.t1	A8MZFO	Uncharacterized protein C11orf89
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g30903.t1	XP_001335597.2	uncharacterized protein C15orf60
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g43632.t1	XP_003198174.1	uncharacterized protein C17orf104
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
alltrinity_comp201700_c1	XP_005162346.1	uncharacterized protein C1orf127
yu_Contig17514	XP_004552952.1	uncharacterized protein C1orf146
454_FWM5MQA02JX9EO	NP_001188116.1	uncharacterized protein c1orf43
yu_Contig27910	NP_001187382.1	uncharacterized protein c20orf111
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
qifan_comp137831_c0_s	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
skin_comp62127_c0_seq	NP_001187992.1	uncharacterized protein c2orf64
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
yu_Contig13118	XP_005155908.1	uncharacterized protein C3orf14
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g25342.t1	NP_001187330.1	uncharacterized protein c4orf22
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
skin_comp59769_c0_seq	XP_005448534.1	uncharacterized protein C6orf226
alltrinity_comp244776_cc	XP_005472498.1	uncharacterized protein C7orf31
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
skin_comp68171_c4_seq	XP_002661430.1	uncharacterized protein C7orf73
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_s	XP_006120615.1	uncharacterized protein C9orf152
g47641.t1	XP_003198708.1	uncharacterized protein C9orf174
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
g6979.t1	XP_001336283.4	uncharacterized protein C9orf93
g53.t1	XP_001334272.1	uncharacterized protein CXorf21
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g32708.t1	Q54G14	Uncharacterized protein DDB_G0290685
alltrinity_comp1212_c0_s	XP_003197967.1	uncharacterized protein DDB_G0292642
g33673.t1	XP_691812.1	uncharacterized protein DKFZp7621415
g52823.t1	XP_001344930.1	uncharacterized protein DKFZp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g17100.t1	NP_001138262.1	uncharacterized protein FLJ46082
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
skin_comp68504_c1_seq	XP_005157900.1	uncharacterized protein KIAA0408
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g45381.t1	XP_003449562.1	uncharacterized protein KIAA0564
g3770.t1	O94854	Uncharacterized protein KIAA0754
g15870.t1	XP_001333668.2	uncharacterized protein KIAA1841
g31480.t1	XP_003453963.1	uncharacterized protein KIAA2026
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g19234.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008
qifan_comp140766_c0_s	XP_001341792.1	uncharacterized protein LOC100001877
g9005.t1	NP_001104709.1	uncharacterized protein LOC100002393
qifan_comp269764_c0_s	XP_005161697.1	uncharacterized protein LOC100003040
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
alltrinity_comp192940_cc	XP_001344440.5	uncharacterized protein LOC100005359
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_cc	XP_001344672.4	uncharacterized protein LOC100005689
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
qifan_comp170100_c0_s	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_s	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp136584_c0_s	XP_001345466.4	uncharacterized protein LOC100006831
qifan_comp219714_c0_s	XP_001345491.5	uncharacterized protein LOC100006875
g1321.t1	XP_001345583.3	uncharacterized protein LOC100007012
qifan_comp232627_c0_s	XP_005159450.1	uncharacterized protein LOC100034474
skin_comp46055_c0_seq	NP_001092726.1	uncharacterized protein LOC100093702
qifan_comp141121_c0_s	NP_001107480.1	uncharacterized protein LOC100135331
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_s	NP_001108579.1	uncharacterized protein LOC100141491
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_s	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185

g44767.t1	NP_001137527.1	uncharacterized protein LOC100149419
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
qifan_comp128718_c0_s1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
g37022.t1	NP_001139181.1	uncharacterized protein LOC100151507
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
g51107.t1	NP_001121390.1	uncharacterized protein LOC100158478
qifan_comp217531_c0_s1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
qifan_comp140980_c0_s1	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
qifan_comp75296_c0_s1	NP_001129045.1	uncharacterized protein LOC100190888
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g50137.t1	XP_002194552.2	uncharacterized protein LOC100231590
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_s1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_s1	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
qifan_comp117409_c0_s1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
g13347.t1	XP_002937587.2	uncharacterized protein LOC100486046
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g24754.t1	XP_002941460.2	uncharacterized protein LOC100486543
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g855.t1	XP_002943045.1	uncharacterized protein LOC100496405
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
qifan_comp158163_c0_s1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
skin_comp78838_c0_seq	XP_005156659.1	uncharacterized protein LOC100535981
alltrinity_comp200908_c1	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c1	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_s1	XP_003201025.2	uncharacterized protein LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_s1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp151014_c1_s1	XP_005478722.1	uncharacterized protein LOC100699558
g47521.t1	XP_003447279.1	uncharacterized protein LOC100701644
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g14779.t1	XP_003978935.1	uncharacterized protein LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
qifan_comp148024_c0_s1	XP_003977585.1	uncharacterized protein LOC101073491
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g39604.t1	XP_003979048.1	uncharacterized protein LOC101080246

g4575.t1	XP_004078966.1	uncharacterized protein LOC101154980
g11457.t1	XP_004082662.1	uncharacterized protein LOC101154992
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04D78S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g23780.t1	XP_004082982.1	uncharacterized protein LOC101157745
g57738.t1	XP_004080147.1	uncharacterized protein LOC101158890
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
qifan_comp266592_c0_s1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g29180.t1	XP_004069062.1	uncharacterized protein LOC101163073
g22383.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
g55617.t1	XP_004071892.1	uncharacterized protein LOC101166720
pac_pacbio_412109529_c1	XP_004084328.1	uncharacterized protein LOC101166927
g24885.t1	XP_004073985.1	uncharacterized protein LOC101166970
g41003.t1	XP_004084534.1	uncharacterized protein LOC101167763
alltrinity_comp195567_cc	XP_004070025.1	uncharacterized protein LOC101168115
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_c1	XP_004077468.1	uncharacterized protein LOC101169968
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g54688.t1	XP_004080040.1	uncharacterized protein LOC101171781
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g57510.t1	XP_004079033.1	uncharacterized protein LOC101174375
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g20712.t1	XP_004071709.1	uncharacterized protein LOC101175482
g33517.t1	XP_004209957.1	uncharacterized protein LOC101235972
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_c1	XP_004482538.1	uncharacterized protein LOC101444772
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
pac_pacbio_410677548_c1	XP_004576664.1	uncharacterized protein LOC101465969
g22413.t1	XP_004572072.1	uncharacterized protein LOC101466125
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g9571.t1	XP_004539275.1	uncharacterized protein LOC101466841
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
g22535.t1	XP_004576354.1	uncharacterized protein LOC101468882
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g8369.t1	XP_004553620.1	uncharacterized protein LOC101470917
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g15567.t1	XP_004545568.1	uncharacterized protein LOC101471829
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
g18068.t1	XP_004568649.1	uncharacterized protein LOC101474086
alltrinity_comp200229_cc	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g43354.t1	XP_004572114.1	uncharacterized protein LOC101476797

g23641.t1	XP_004546534.1	uncharacterized protein LOC101477917
g16676.t1	XP_004542626.1	uncharacterized protein LOC101478545
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g46364.t1	XP_004552553.1	uncharacterized protein LOC101483291
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
g40435.t1	XP_004560290.1	uncharacterized protein LOC101484154
g22698.t1	XP_004573312.1	uncharacterized protein LOC101484324
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
g45137.t1	XP_004571616.1	uncharacterized protein LOC101486766
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g35800.t1	XP_004741959.1	uncharacterized protein LOC101671460
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g126.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g24760.t1	XP_004911591.1	uncharacterized protein LOC101732058
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
pac_pacbio_411634889_4	XP_004916525.1	uncharacterized protein LOC101733395
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
alltrinity_comp57308_c0	XP_004914719.1	uncharacterized protein LOC101733949
g10647.t1	XP_004917417.1	uncharacterized protein LOC101734075
qifan_comp95407_c0_seq	XP_004918303.1	uncharacterized protein LOC101734130
g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp152883_c0_seq	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq	XP_005170692.1	uncharacterized protein LOC101883546
alltrinity_comp210248_c1	XP_005161829.1	uncharacterized protein LOC101884337
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1	XP_005159202.1	uncharacterized protein LOC101885156
alltrinity_comp205992_c2	XP_005173016.1	uncharacterized protein LOC101886442
blue_Contig72773_1_1344	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig2748_1_2732	XP_005294352.1	uncharacterized protein LOC101948872
blue_Contig46806_1_940	XP_005435829.1	uncharacterized protein LOC102057050
pac_pacbio_409506783_3	XP_005461383.1	uncharacterized protein LOC102076050
alltrinity_comp161516_c0	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_3	XP_005464157.1	uncharacterized protein LOC102077137
alltrinity_comp149625_c0	XP_005473705.1	uncharacterized protein LOC102078762
YY_jcf4885817	XP_005462000.1	uncharacterized protein LOC102080201
pac_pacbio_409643086_3	XP_005466369.1	uncharacterized protein LOC102080911
pac_pacbio_412372638_3	XP_005457242.1	uncharacterized protein LOC102081353
qifan_comp188344_c0_seq	XP_005462186.1	uncharacterized protein LOC102081513
alltrinity_comp207891_c0	XP_005451783.1	uncharacterized protein LOC102082977
qifan_comp200420_c0_seq	XP_005741295.1	uncharacterized protein LOC102194460
alltrinity_comp201971_c0	XP_005750376.1	uncharacterized protein LOC102205394
blue_Contig85669_1_1214	XP_005813273.1	uncharacterized protein LOC102220987
qifan_comp255785_c0_seq	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_3	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_seq	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_3	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3	XP_006629712.1	uncharacterized protein LOC102688153
pac_pacbio_409885893_3	XP_006627718.1	uncharacterized protein LOC102695837
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_409681842_3	XP_006817019.1	uncharacterized protein LOC102808054
pac_pacbio_410785629_3	XP_006984659.1	uncharacterized protein LOC102926326
qifan_comp131384_c0_seq	XP_005161732.1	uncharacterized protein LOC103908669

g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42142.t1	NP_954967.1	uncharacterized protein LOC321250
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g28662.t1	XP_002664218.1	uncharacterized protein LOC368914
g37316.t1	NP_956824.1	uncharacterized protein LOC393502
g37740.t1	NP_001004593.1	uncharacterized protein LOC447854
g25407.t1	NP_001124069.1	uncharacterized protein LOC492631
g24292.t1	NP_001073633.1	uncharacterized protein LOC492735
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
g28058.t1	NP_001017719.1	uncharacterized protein LOC550414
qifan_comp240023_c0_sct	NP_005155600.1	uncharacterized protein LOC552925
g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
g33471.t1	NP_001018552.1	uncharacterized protein LOC553745
g56565.t1	NP_001232841.1	uncharacterized protein LOC554736
qifan_comp106260_c0_sct	NP_001073426.1	uncharacterized protein LOC555281
alltrinity_comp209129_cct	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_sct	XP_683419.4	uncharacterized protein LOC555734
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
g58176.t1	NP_001139034.1	uncharacterized protein LOC556058
g32241.t1	NP_001103493.1	uncharacterized protein LOC556322
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
g53193.t1	NP_001138259.1	uncharacterized protein LOC556730
yu_Contig13501	NP_001038175.1	uncharacterized protein LOC557283
alltrinity_comp168542_cct	NP_001116711.1	uncharacterized protein LOC557488
g19747.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
g45140.t1	XP_686699.4	uncharacterized protein LOC558404
g39751.t1	NP_001020674.1	uncharacterized protein LOC558894
g20482.t1	NP_001103851.1	uncharacterized protein LOC558938
qifan_comp135140_c0_sct	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_sct	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g27792.t1	NP_001103927.1	uncharacterized protein LOC559349
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_sct	NP_001122173.1	uncharacterized protein LOC560193
g49660.t1	NP_001122178.1	uncharacterized protein LOC561073
qifan_comp153125_c1_sct	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
cdna_clc_368911	NP_001038448.1	uncharacterized protein LOC562301
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
alltrinity_comp39900_c0_sct	NP_001108320.1	uncharacterized protein LOC563576
g28780.t1	XP_692038.1	uncharacterized protein LOC563583
qifan_comp202118_c0_sct	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g22750.t1	NP_001243088.1	uncharacterized protein LOC564601
alltrinity_comp196688_cct	XP_693489.5	uncharacterized protein LOC565101
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g50979.t1	NP_001025385.1	uncharacterized protein LOC566797
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
qifan_comp94690_c0_sct	NP_001020723.2	uncharacterized protein LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g29942.t1	XP_698250.3	uncharacterized protein LOC569751
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_sct	XP_706537.4	uncharacterized protein LOC570021
g48839.t1	NP_001013590.1	uncharacterized protein LOC570187
g1737.t1	NP_001077321.1	uncharacterized protein LOC570464
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
qifan_comp124662_c0_sct	NP_001139083.1	uncharacterized protein LOC571915
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_sct	NP_001028925.1	uncharacterized protein LOC619272
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
pac_pacbio_411882431_1	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g8283.t1	XP_001233307.2	uncharacterized protein LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917

skin_comp70082_c0_seq	NP_001122246.1	uncharacterized protein LOC792608
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
alltrinity_comp205951_c1	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g54386.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g49632.t1	NP_001121742.1	uncharacterized protein LOC796180
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_s1	NP_001093529.1	uncharacterized protein LOC797776
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g12860.t1	XP_001334950.1	uncharacterized protein LOC798209
g44342.t1	NP_001122274.1	uncharacterized protein LOC798626
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g8660.t1	NP_001124266.1	uncharacterized protein LOC799070
g55533.t1	XP_001339640.2	uncharacterized protein LOC799264
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
degen_deg71800038403C	XP_001624008.1	Uncharacterized protein ORF50
qifan_comp286758_c0_s1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_s1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_s1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_s1	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_s1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_s1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_s1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c1	XP_003199369.2	uncharacterized protein si:dkey-106l3.7
qifan_comp147333_c1_s1	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_s1	XP_706384.2	uncharacterized protein si:dkey-121l2.1
qifan_comp136584_c0_s1	XP_001923739.2	uncharacterized protein si:dkey-182g1.6
qifan_comp104923_c0_s1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_s1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_s1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
pac_pacbio_410166675_	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_s1	XP_002666584.3	uncharacterized protein sir:p71-80o10.4
qifan_comp136584_c0_s1	XP_003201783.1	uncharacterized protein zgc:171497
g29898.t1	NP_114199.1	unknown
qifan_comp141850_c0_s1	AAI53376.1	Unknown (protein for IMAGE:7404853)
g19346.t1	AAI54836.1	Unknown (protein for IMAGE:8993824)
g11234.t1	CCD12684.1	unnamed protein product
alltrinity_comp210374_c1	CAM60077.1	unnamed protein product_1_n
pac_pacbio_411251993_	CAG02552.1	unnamed protein product_11_n
pac_pacbio_410654763_	BAA12331.1	unnamed protein product_12_n
qifan_comp152170_c3_s1	CAG11586.1	unnamed protein product_5_n
pac_pacbio_410267174_	CAG06189.1	unnamed protein product_8_n
g9282.t1	NP_001188166.1	upf0366 protein c11orf67
g11140.t1	NP_001188061.1	upf0490 protein c1orf201
g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
blue_Contig54312.1_235	XP_006625942.1	UPF0573 protein C2orf70 A
g37040.t1	NP_001083047.1	UPF0575 protein C19orf67
g42599.t1	XP_001333493.1	UPF0628 protein C10orf96
g28206.t1	XP_004069875.1	UPF0691 protein C9orf116
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
g39548.t1	NP_001093491.2	UPF0722 protein C11orf88
alltrinity_comp159642_c1	XP_003200769.1	UPF0732 protein C1orf227
cdna_vet_k79:94857	NP_001038883.1	UPF0740 protein C1orf192
qifan_comp125258_c0_s1	NP_001186962.1	up-regulated during skeletal muscle growth protein 5
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g5009.t1	XP_699968.1	uracil-DNA glycosylase
g13373.t1	XP_004937023.1	uro-adherence factor A
g20036.t1	XP_696200.4	uromodulin-like 1
qifan_comp136235_c0_s1	NP_001093533.1	uroplakin 3b
g56082.t1	NP_001035332.1	uroplakin-1a
g31651.t1	XP_001921192.2	Usher syndrome type-1C protein-binding protein 1
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g51957.t1	O13034	V(D)J recombination-activating protein 2
g4939.t1	NP_001189353.1	vacuolar ATPase assembly integral membrane protein vma21
g19327.t1	XP_004560086.1	vacuolar protein sorting-associated protein 13B
g39519.t1	XP_004551241.1	vacuolar protein sorting-associated protein 37D
g1568.t1	XP_004614713.1	vascular cell adhesion protein 1
g21559.t1	Q8AXB3.1	Vascular endothelial growth factor receptor kdr
qifan_comp240494_c0_s1	XP_005166968.1	very low-density lipoprotein receptor

g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g21761.t1	NP_001233274.1	VIG-B319.A protein
g31661.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g36598.t1	XP_001920550.3	voltage-dependent T-type calcium channel subunit alpha-1G
g47503.t1	XP_003198197.1	voltage-dependent T-type calcium channel subunit alpha-1H
g21239.t1	XP_694715.4	voltage-dependent T-type calcium channel subunit alpha-1I
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g21206.t1	XP_004750191.1	von Willebrand factor A domain-containing protein 5A
g42165.t1	PF05678.9	VQ
g14725.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g16736.t1	NP_001002726.2	WD repeat and HMG-box DNA-binding protein 1
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
alltrinity_comp165287_c1	XP_003199030.2	WD repeat-containing protein KIAA1875
g13202.t1	XP_001232879.3	Wilms tumor protein 1-interacting protein
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c1	XP_005157311.1	wu:fc26g07
g37266.t1	XP_003198869.1	wu:fc26h06
g45386.t1	EMP34360.1	WW domain-binding protein 4
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
g6928.t1	XP_002666640.1	x-linked retinitis pigmentosa GTPase regulator-interacting protein 1
cdna_clc_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g22898.t1	AAI52526.1	Zcchc7l protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g26825.t1	AAI55809.1	Zgc:110694 protein
g28651.t1	AAH91871.1	Zgc:112945
qifan_comp175963_c0_s1	XP_005162501.1	zgc:112994
g23064.t1	AAI59208.1	Zgc:113194 protein
g45970.t1	AAH74094.1	Zgc:114089 protein
g10677.t1	AAH90183.1	Zgc:158151 protein
g22092.t1	AAI24676.1	Zgc:161969 protein
g28474.t1	AAI22245.1	Zgc:162025 protein
g7219.t1	AAH90678.1	Zgc:162509 protein
g38680.t1	AAI34162.1	Zgc:162945 protein
g30312.t1	AAI15112.1	Zgc:165430 protein
g15393.t1	AAI54516.1	Zgc:165461 protein
qifan_comp4547_c0_seq	AAI53996.1	Zgc:171686 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c1	XP_004030926.1	zinc C2H2 type family protein
g10895.t1	XP_699124.4	zinc finger and BTB domain-containing protein 46
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
yu_Contig14874	XP_003200465.2	zinc finger B-box domain-containing protein 1
g20115.t1	XP_003390586.1	zinc finger BED domain-containing protein 1
blue_Contig85069.1_442	XP_005092620.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g33739.t1	XP_693211.3	zinc finger CCHC domain-containing protein 2
g295.t1	XP_002817801.2	zinc finger CW-type PWWP domain protein 1
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
g39584.t1	NP_001017401.1	zinc finger HIT domain-containing protein 1
alltrinity_comp194691_c1	XP_006634293.1	zinc finger MYND domain-containing protein 15
g9948.t1	XP_003200426.1	zinc finger protein 106
g21833.t1	XP_003198345.1	zinc finger protein 135
qifan_comp97580_c0_seq	NP_001071004.1	zinc finger protein 185 (LIM domain)
g43453.t1	XP_001340263.3	zinc finger protein 192
g11962.t1	ELK38750.1	Zinc finger protein 300
g5594.t1	NP_001108045.1	zinc finger protein 341
g25102.t1	Q6PBT9	Zinc finger protein 385B
g8976.t1	XP_001340699.3	zinc finger protein 40
g24285.t1	NP_001073499.1	zinc finger protein 423
blue_Contig43726.1_145	XP_005168114.1	zinc finger protein 45

g51980.t1	Q96IG9	Zinc finger protein 469
g54018.t1	XP_693857.3	zinc finger protein 536
g53415.t1	XP_002663202.2	zinc finger protein 608
g51570.t1	Q8BZ47	Zinc finger protein 609
g48769.t1	NP_001038383.2	zinc finger protein 704
g40252.t1	XP_003455943.1	zinc finger protein 729
g54342.t1	XP_003438160.1	zinc finger protein 830
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g56134.t1	Q7T019.2	Zinc finger protein Dzip1
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g40620.t1	Q8WW38	Zinc finger protein ZFPM2
g10976.t1	NP_001034613.1	zinc finger protein, multitype 2b
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g24832.t1	NP_001171405.1	zinc finger transcription factor Trps1
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g27944.t1	NP_001008575.1	zinc transporter 9
g22012.t1	NP_001187614.1	zinc transporter zip11
g54687.t1	AGE89832.1	znf219
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwilling B

Supplemental table 25. Catfish specific genes compared to fugu

id	access number	Description
g53456.t1	XP_005029333.1	15 kDa selenoprotein
g41708.t1	NP_001134545.1	15.5 kDa protein
qifan_comp63551_c0_seq1	NP_001038262.1	28S ribosomal protein S11, mitochondrial
g42752.t1	NP_001038921.1	28S ribosomal protein S6, mitochondrial
g32211.t1	NP_001070798.1	39S ribosomal protein L18, mitochondrial
g50290.t1	Q1LWG3.1	39S ribosomal protein L36, mitochondrial
qifan_comp184125_c0_seq1	XP_005172384.1	39S ribosomal protein L52, mitochondrial
qifan_comp246044_c0_seq1	XP_001343422.1	3-dehydroquinate synthase, chloroplastic
g26916.t1	XP_003388527.1	52 kDa repressor of the inhibitor of the protein kinase
g51640.t1	PF00001.16	7tm_1
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g25180.t1	XP_700384.2	A disintegrin and metalloproteinase with thrombospondin motifs 2
g41416.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	Q13736	Actin cytoskeleton-regulatory complex protein sla1
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g19012.t1	XP_696875.5	actin-binding LIM protein 2
g20566.t1	NP_001184183.1	actinodin1
g11283.t1	NP_001104660.1	actinodin2
g35717.t1	ELV12062.1	Acyl-CoA dehydrogenase family member 11
g24397.t1	ELK14837.1	Acyl-coenzyme A oxidase protein
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g49652.t1	NP_001187460.1	acylphosphatase-2
g24652.t1	XP_004067711.1	adapter protein CIKS
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g34013.t1	XP_004570992.1	adherens junction-associated protein 1
g16423.t1	Q25460	Adhesive plaque matrix protein
yu_Contig3891	XP_006795028.1	ADP-ribosyl cyclase 1
qifan_comp150285_c0_seq2	XP_005165878.1	ADP-ribosylation factor-like protein 6-interacting protein 6
skin_comp63278_c0_seq1	NP_001187900.1	ADP-sugar pyrophosphatase
g12929.t1	P07898	Aggrecan core protein
g8325.t1	NP_001133849.1	AIDB protein
g27142.t1	XP_004672670.1	A-kinase anchor protein 14
g44046.t1	XP_001919948.2	a-kinase anchor protein 6
g10386.t1	NP_001076514.1	A-kinase anchor protein SPHKAP
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g37777.t1	NP_001188007.1	aldose 1-epimerase
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g22835.t1	AAB61137.1	Allele: hi4
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g1218.t1	XP_003457659.1	alpha-2-macroglobulin
g1324.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g1018.t1	ABQ45553.1	alpha-amylase
g11109.t1	XP_004674152.1	amine sulfotransferase
g13435.t1	AAX37668.1	amylase
g12732.t1	XP_004560540.1	amyloid protein 2
g871.t1	BAF93906.1	amylopullulanase
g35367.t1	NP_001187841.1	anaphase-promoting complex subunit CDC26
g55434.t1	AAM09278.1	androgen receptor
g45776.t1	XP_004541796.1	androglobin
pac_pacbio_411446684_2/55_2788	XP_005726648.1	angiogenin
alltrinity_comp207889_c0_seq4	NP_001187912.1	angiogenin-3
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g43149.t1	XP_004086343.1	ankyrin repeat domain-containing protein SOWAHB
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g14514.t1	XP_004563332.1	AP-1 complex-associated regulatory protein
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
g52444.t1	PF01442.13	Apolipoprotein
yu_Contig25459	AC115894.1	apolipoprotein C-I
qifan_comp131209_c0_seq1	XP_691110.1	apolipoprotein C-II
g9775.t1	P23529	Apolipoprotein E
g1338.t1	XP_001339242.2	apolipoprotein L4
100_ccaa	AHH38366.1	Apolipoprotein M
g4476.t1	NP_001032192.1	apolipoprotein O
g12007.t1	BAA00422.1	apopolysialoglycoprotein
g11898.t1	Q919N6.1	Apoptosis-associated speck-like protein containing a CARD
g36566.t1	CBN81240.1	Archaem zincin-2
g56166.t1	XP_004565640.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1

g21089.t1	XP_003451946.1	arginine and glutamate-rich protein 1-B
g15581.t1	NP_998112.1	arginine/serine-rich coiled-coil 1
g45762.t1	NP_001069269.2	armadillo repeat-containing protein 2
g5496.t1	CBN81746.1	Armadillo repeat-containing protein 4
g31512.t1	Q8N5I2	Arrestin domain-containing protein 1
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g44064.t1	NP_001096091.1	asparaginase
g47300.t1	XP_004074397.1	AT-hook DNA-binding motif-containing protein 1
alltrinity_comp348165_c0_seq1	XP_003229036.1	ATP synthase subunit epsilon, mitochondrial
qifan_comp132575_c0_seq5	XP_002666586.1	ATP synthase subunit s
qifan_comp127469_c0_seq1	NP_001166108.1	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E
g55643.t1	XP_002661161.1	ATPase SWSAP1
g30268.t1	NP_001188332.1	ATPase, H+ transporting, lysosomal accessory protein 1
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g8428.t1	NP_001124092.1	ATP-binding cassette, sub-family D (ALD), member 3b
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g38946.t1	NP_001038332.1	ATR-interacting protein
g36573.t1	XP_003199661.1	autism susceptibility gene 2 protein
g36065.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
alltrinity_comp155303_c0_seq1	NP_001188371.1	avidin
cdna_clc_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g39150.t1	XP_004069077.1	band 4.1-like protein 1
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g22834.t1	AAH75745.1	Bardet-Biedl syndrome 2
g25932.t1	XP_003200724.1	barttin
g43696.t1	XP_004568711.1	battenin
g10579.t1	XP_001919171.2	b-cell receptor CD22
g57770.t1	XP_004554422.1	B-cell scaffold protein with ankyrin repeat
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g45968.t1	EBH16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
qifan_comp181481_c0_seq1	AGZ03658.1	beta-defensin 3
alltrinity_comp204523_c0_seq2	ACO13654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	ABI18126.1	Bid
qifan_comp144751_c0_seq3	XP_004561102.1	bifunctional protein GlmU
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
qifan_comp151466_c0_seq7	XP_005722886.1	bioorientation of chromosomes in cell division protein 1-like 1
g40664.t1	XP_004076502.1	biotin-protein ligase
g23125.t1	NP_001107915.1	bloodthirsty-related gene family, member 18
g220.t1	XP_003440664.1	Bloom syndrome protein
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g53754.t1	NP_001189355.1	borealin-2
g15472.t1	Q1RM09	Brain acid soluble protein 1
g58064.t1	PF13882.1	Bravo_FIGEY
g38526.t1	XP_003200939.1	BRCA1-A complex subunit RAP80
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g12986.t1	XP_002662035.2	butyrophilin protein 2
g23101.t1	XP_003198101.1	butyrophilin subfamily 1 member A1
g41330.t1	NP_001134905.1	Butyrophilin subfamily 2 member A2
g55575.t1	XP_684799.2	butyrophilin subfamily 3 member A1
g56923.t1	PF07716.10	bZIP_2
yu_Contig7048	ACI68049.1	C13orf27
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g31105.t1	XP_687082.5	cadherin-13
g25960.t1	NP_571156.2	cadherin-4
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g52777.t1	XP_005015005.1	caiB/baiF CoA-transferase family protein C7orf10
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g3133.t1	XP_002939992.1	calcyphosin-2

g12580.t1	XP_004570145.1	calmodulin-lysine N-methyltransferase
g43097.t1	XP_004071058.1	cAMP-dependent protein kinase inhibitor gamma
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g46853.t1	XP_002662526.2	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein
g51377.t1	NP_001187652.1	carboxymethylenebutenolidase
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
qifan_comp208517_c0_seq1	AAG45230.1	Caspy2
g37606.t1	NP_001180580.1	catenin delta-2
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g42472.t1	NP_001134846.1	CB050 protein
g37481.t1	XP_004549685.1	CBP80/20-dependent translation initiation factor
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g57386.t1	ABA54949.1	CC chemokine SCYA101
g57387.t1	AATS2141.1	CC chemokine SCYA107
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g57385.t1	NP_001187124.1	CC chemokine SCYA112
alltrinity_comp188056_c1_seq1	AAZ99069.1	CC chemokine SCYA114B
g42257.t1	ABA54962.1	CC chemokine SCYA115
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
g25456.t1	ABA54968.1	CC chemokine SCYA121
qifan_comp140824_c0_seq5	BAA31459.1	CC chemokine-1
qifan_comp200851_c0_seq1	XP_005806461.1	c-C motif chemokine 21
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
g13242.t1	BAB39135.1	CD11-2
qifan_comp110584_c0_seq2	BAL63125.1	CD2 family receptor
g9579.t1	XP_004539421.1	CD209 antigen
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g27498.t1	XP_003459734.1	CD2-associated protein
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
yu_Contig21671	NP_001187165.1	CD79a
alltrinity_comp188761_c0_seq2	NP_001187166.1	CD79b
g7895.t1	ACM09142.1	CD9 antigen
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g36731.t1	XP_003199680.1	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial
g3494.t1	ADO28418.1	cell division cycle protein 123
alltrinity_comp199927_c0_seq1	XP_005173542.1	cell division cycle-associated protein 3
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g8477.t1	XP_001343147.2	cell surface A33 antigen
qifan_comp137693_c0_seq1	XP_003199235.2	cell surface glycoprotein CD200 receptor 1-A
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
alltrinity_comp209178_c0_seq3	XP_001920764.4	cell wall protein DAN4
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g26699.t1	XP_004558339.1	centriolar coiled-coil protein of 110 kDa
g47529.t1	XP_001919236.3	centriolin
g20772.t1	NP_001107081.1	centromere protein H
g39933.t1	Q5BQN8	Centromere protein J
qifan_comp152646_c2_seq3	Q1LV50.1	Centromere protein P
g25618.t1	NP_001140135.1	Centromere protein Q
qifan_comp151822_c7_seq3	XP_001335405.3	centromere protein U
yu_Contig20690	XP_709181.2	centromere protein W
qifan_comp202954_c0_seq1	XP_002661323.1	centromere protein X
g39961.t1	XP_003986560.1	centrosomal protein 85kDa
g44104.t1	NP_001091860.1	centrosomal protein kizuna
g31847.t1	XP_003452178.1	centrosomal protein of 192 kDa
g41823.t1	P85001	Centrosomal protein of 290 kDa
g47048.t1	Q6PGZ0.2	Centrosomal protein of 63 kDa
alltrinity_comp197052_c2_seq4	XP_005169029.1	centrosomal protein of 89 kDa
g23757.t1	XP_003458359.1	centrosomal protein of 95 kDa
g51176.t1	XP_004915227.1	centrosome and spindle pole-associated protein 1
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
g12136.t1	AAH90910.1	CFDP1 protein
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g5140.t1	XP_691883.3	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
g33242.t1	3CQO_A	Chain A, Crystal Structure Of A F-Lectin (Fucolectin) From Morone Saxatilis (Striped Bass) Serum
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g4950.t1	1N9J_L	Chain L, Cocaine Hydrolytic Antibody 15a10

g4046.t1	AAQ01587.1	chemokine
g22630.t1	NP_001107067.1	chemokine (C-C motif) ligand 20
qifan_comp131006_c0_seq1	BAF98240.1	chemokine CCL-C25a
g5292.t1	XP_002662920.1	chemokine factor
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g48783.t1	NP_001013311.1	chromatin accessibility complex protein 1
g10381.t1	XP_697956.3	chromodomain-helicase-DNA-binding protein 7
g53864.t1	XP_004067485.1	chromodomain-helicase-DNA-binding protein 9
g44608.t1	XP_706416.1	chromosomal protein D1
g36467.t1	EAW50169.1	chromosome 10 open reading frame 59
g49852.t1	XP_003201433.1	c-Jun-amino-terminal kinase-interacting protein 1
alltrinity_comp199220_c1_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g22146.t1	XP_004573943.1	c-Maf-inducing protein
g46748.t1	XP_003197821.1	CMRF35-like molecule 1
cdna_clc_378603	XP_005946660.1	coagulation factor XI
g44515.t1	ACO13723.1	Coblyrinic acid a,c-diamide adenosyltransferase, mitochondrial
g47640.t1	XP_004828389.1	coiled-coil domain containing 180
g10411.t1	EAW94200.1	coiled-coil domain containing 45
g36807.t1	NP_001188491.1	coiled-coil domain containing 57
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 103
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
g24168.t1	XP_004544675.1	coiled-coil domain-containing protein 117
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g39539.t1	XP_002666418.2	coiled-coil domain-containing protein 15
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g34576.t1	XP_003924188.1	coiled-coil domain-containing protein 158
blue_Contig81311.1_8500	XP_005990428.1	coiled-coil domain-containing protein 160
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
g39833.t1	NP_001020655.2	coiled-coil domain-containing protein 167
qifan_comp145183_c0_seq5	XP_001341200.4	coiled-coil domain-containing protein 17
g27379.t1	XP_003995555.1	coiled-coil domain-containing protein 171
g41418.t1	XP_001334826.3	coiled-coil domain-containing protein 178
g40377.t1	NP_001014330.1	coiled-coil domain-containing protein 24
yu_Contig21181	NP_956682.1	coiled-coil domain-containing protein 25
g39226.t1	XP_004548660.1	coiled-coil domain-containing protein 30
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
yu_Contig3450	NP_001039310.1	coiled-coil domain-containing protein 34
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g17238.t1	XP_003198830.1	coiled-coil domain-containing protein 37
g43242.t1	NP_001258742.1	coiled-coil domain-containing protein 40
g33966.t1	A7S8T5	Coiled-coil domain-containing protein 42
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g5052.t1	NP_001082851.1	coiled-coil domain-containing protein 79
g18730.t1	EMP35025.1	Coiled-coil domain-containing protein 81
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g40624.t1	XP_004763581.1	coiled-coil domain-containing protein 83
g23148.t1	NP_001038849.1	coiled-coil domain-containing protein 85C-A
g52593.t1	XP_004543850.1	coiled-coil domain-containing protein 92
g43982.t1	XP_003200359.1	coiled-coil domain-containing protein C6orf97
g46290.t1	XP_004559632.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 5
skin_comp42217_c0_seq1	NP_001187882.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 7
g34272.t1	NP_001187666.1	colipase
g10144.t1	PF01391.13	Collagen
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g57796.t1	XP_004554551.1	collagen alpha-1(XXV) chain
g32580.t1	XP_004543693.1	collagen alpha-1(XXVI) chain
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
g28567.t1	ACI67786.1	Complement component 1 Q subcomponent-binding protein, mitochondrial
g32356.t1	XP_004076492.1	complement factor B
yu_k50:2938043	NP_001092229.1	complex III assembly factor LYRM7
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g13094.t1	XP_002771495.1	conserved hypothetical protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
59_ccaa	ADO28627.1	copper transport protein atox1
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g45182.t1	XP_004557712.1	cordoon-bleu protein-like 1
g42941.t1	PF02389.10	Cornifin
g22608.t1	AA85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticoliberin
g54645.t1	AAH66452.1	Cox15 protein
g31007.t1	XP_003763660.1	craniofacial development protein 2

g39559.t1	AAH98871.1	Crfb12 protein
g11529.t1	XP_707096.1	crossover junction endonuclease EME1
g14183.t1	AAK61395.1	CRSP70
g34764.t1	NP_001082326.1	cryptic tubulin
g24512.t1	AFU81783.1	CST complex subunit TEN1
g8042.t1	NP_001015064.1	C-terminal-binding protein 2
g17632.t1	XP_003199401.1	C-type lectin domain family 4 member M
g6067.t1	XP_002667358.2	C-type lectin lectoxin-Phi1
g4451.t1	XP_002662754.2	c-type mannose receptor 2
yu_k81:462410	NP_001158556.1	CX04A protein
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g13279.t1	NP_998697.2	cyclic AMP-responsive element-binding protein 3
g6897.t1	NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
qifan_comp284549_c0_seq1	NP_001082834.1	cyclin-D1-binding protein 1
g8342.t1	XP_001919224.1	cyclin-G-associated kinase
g33396.t1	ADO27795.1	cystatin-b
g44200.t1	AAI62591.1	Cysteine rich transmembrane BMP regulator 1 (chordin like)
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
qifan_comp69228_c0_seq1	NP_001108388.2	cytochrome c oxidase assembly factor 3, mitochondrial
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
cdna_clc_281908	XP_005174473.1	cytochrome c oxidase protein 20
g26613.t1	XP_685495.1	cytochrome c oxidase subunit 8A, mitochondrial
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
g8392.t1	XP_692458.2	cytospin-A
g39425.t1	XP_690827.4	cytospin-B
qifan_comp121915_c0_seq1	XP_005167576.1	cytotoxic T-lymphocyte protein 4
yu_k56:2035505	NP_001187144.1	DAP10
g57036.t1	XP_004574349.1	dapper homolog 1
g12893.t1	XP_001340996.1	dapper homolog 3
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g19818.t1	NP_001038671.1	DBH-like monoxygenase protein 1
g30928.t1	PF13358.1	DDE_3
g51051.t1	NP_571647.1	death-associated protein 1
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g30353.t1	XP_004558910.1	demethylmenaquinone methyltransferase
cdna_clc_476183	NP_001187821.1	density-regulated protein
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g52776.t1	NP_001028898.1	dermal papilla derived protein 13
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
34_ccaa	ADO29348.1	det1- and ddb1-associated protein 1
g53629.t1	ABI79462.1	diaphanous 2
g35636.t1	XP_003455577.1	disabled homolog 2-interacting protein
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g33668.t1	XP_003197865.1	disks large homolog 1
g17889.t1	NP_999893.1	disks large homolog 4
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g41202.t1	NP_001012518.1	DNA endonuclease RBBP8
g22736.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g35938.t1	XP_002937585.2	DNA helicase B
g1065.t1	NP_001119860.1	DNA ligase 1
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g26279.t1	XP_002663552.1	DNA repair protein SWI5
g49878.t1	NP_001187562.1	DNA replication complex gins protein psf3
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g52695.t1	XP_001332164.1	DNA-directed RNA polymerase I subunit RPA43
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g31412.t1	NP_001103954.1	dolichol kinase
378_ccaa	ADO28725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
alltrinity_comp204129_c0_seq12	XP_006630963.1	DPY30 domain-containing protein 1
g52531.t1	AAH95826.1	Dre1 protein
g51992.t1	Q5RD73	Dual specificity protein phosphatase 3
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal

g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
yu_Contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g42831.t1	XP_002664120.2	dystonin
g39031.t1	NP_775381.1	dystroglycan
g56136.t1	AAI62536.1	Dzip1 protein
g11061.t1	NP_001187443.1	e3 sumo-protein ligase nse2
g24915.t1	ELW61602.1	E3 ubiquitin/ISG15 ligase TRIM25
alltrinity_comp198963_c0_seq7	XP_005165431.1	E3 ubiquitin-protein ligase ARIH2
g40849.t1	XP_004079877.1	E3 ubiquitin-protein ligase CCNB1IP1
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g39054.t1	XP_003457758.1	E3 ubiquitin-protein ligase RNF123
g47466.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g13351.t1	NP_957477.1	E3 ubiquitin-protein ligase RNF25
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g32377.t1	XP_002662297.1	E3 ubiquitin-protein ligase TRIM21
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g40668.t1	XP_004561856.1	E3 ubiquitin-protein ligase TTC3
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g29717.t1	NP_001108537.1	ectodysplasin-A
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26237.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
g19209.t1	NP_001017812.1	EF-hand calcium-binding domain-containing protein 11
g17234.t1	NP_001187690.1	ef-hand calcium-binding domain-containing protein 2
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
alltrinity_comp200599_c0_seq4	XP_006633160.1	EF-hand calcium-binding domain-containing protein 6
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp73008_c0_seq1	XP_003199438.1	EKC/KEOPS complex subunit LAGE3
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g22805.t1	XP_004544659.1	EMI domain-containing protein 1
g41685.t1	NP_001038650.1	endothelin 2
g8977.t1	NP_571594.1	endothelin-1
g39170.t1	XP_004918832.1	endothelin-3
g9587.t1	XP_001341991.2	endothelin-converting enzyme 2
g27683.t1	XP_001922506.1	ensconsin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g10697.t1	ABB52640.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g15165.t1	XP_003451020.1	ephrin-A3
g38391.t1	NP_990515.1	ephrin-A5
qifan_comp179374_c0_seq1	XP_001344391.1	epigen
skin_comp60129_c0_seq2	XP_005168018.1	epithelial-stromal interaction protein 1
g1334.t1	Q7L775	EPM2A-interacting protein 1
g47505.t1	XP_686465.2	epsin-2
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
qifan_comp142224_c0_seq1	XP_003198166.1	equinatoxin-4
g12959.t1	NP_001187003.1	estrogen receptor
g4553.t1	NP_001134488.1	Eukaryotic translation elongation factor 1 epsilon-1
g18410.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g17153.t1	NP_001104627.1	Ewing tumor-associated antigen 1
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g29336.t1	NP_001187899.1	fam107a
g3913.t1	ACN60260.1	FAM139A
g46879.t1	NP_001187587.1	fam183a
g34357.t1	PF02106.10	Fanconi_C
g35826.t1	NP_001038614.1	F-box only protein 18
g56461.t1	NP_001070215.1	F-box only protein 36
g28094.t1	NP_001038863.1	F-box protein 36b
g48240.t1	XP_004073102.1	F-box/LRR-repeat protein 12
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g9701.t1	NP_001018617.1	FCH domain only protein 2
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
yu_Contig6357	XP_006632574.1	fibrous sheath-interacting protein 1
g58004.t1	YP_123587.1	FimV protein
qifan_comp121580_c0_seq1	P68512.1	Fish-egg lectin
g34583.t1	XP_004575691.1	flavin reductase (NADPH)
g42043.t1	ACI69960.1	FLJ25371
g40209.t1	XP_004575319.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1

g54810.t1	ACJ36222.1	forkhead box P1b
g54721.t1	XP_002662654.1	fucolectin-1
qifan_comp146158_c0_seq1	NP_001188353.1	FXYD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
g39700.t1	NP_001093450.1	FYVE, RhoGEF and PH domain-containing protein 6
g38823.t1	Q6ZVF9	G protein-regulated inducer of neurite outgrowth 3
blue_Contig67003.1_3908	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g34959.t1	NP_001182171.1	g6f
g13782.t1	XP_002133577.1	GA22973
g17428.t1	NP_001070918.1	GA-binding protein subunit beta-1
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g30440.t1	CBN80957.1	Gag-protease
qifan_comp52895_c0_seq1	XP_005163007.1	galaxin
g28571.t1	XP_004591242.1	gametogenetin-binding protein 2
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36640.t1	NP_001140110.1	Gap junction beta-5 protein
g10422.t1	XP_003199491.1	gastrin/cholecystinin-like peptide
g6093.t1	P29007	Gastrin-releasing peptide
g52458.t1	PF07699.8	GCC2_GCC3
g38767.t1	ADE73874.1	GCHV-induced protein 1
g42844.t1	XP_689825.5	GDNF family receptor alpha
g25671.t1	XP_001921214.2	geminin coiled-coil domain-containing protein 1
g10400.t1	XP_004911439.1	general transcription factor II-I repeat domain-containing protein 2
g13948.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g14373.t1	XP_003458436.1	general transcription factor II-I repeat domain-containing protein 2B
g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g22982.t1	ADZ76344.1	Gig2-like protein CauO
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
g15827.t1	XP_685683.4	glutamate receptor ionotropic, delta-1
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g41195.t1	XP_004556497.1	glutamine-rich protein 2
skin_comp42119_c0_seq1	NP_001134169.1	glutaredoxin-like protein YDR286C
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g21093.t1	NP_001017560.1	glycosyltransferase-like domain-containing protein 1
g3034.t1	YP_302666.1	gp140
g490.t1	XP_004071680.1	G-protein coupled receptor 183
yu_k62:1649929	NP_001094418.2	granulito
g57341.t1	XP_004550641.1	GRB2-associated and regulator of MAPK protein
qifan_comp112233_c0_seq1	XP_005157000.1	growth-regulated alpha protein
g24953.t1	ACI33817.1	GTPase IMAP family member 4
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g2397.t1	NP_001002343.1	guanylate binding protein 1
g26899.t1	EHH09859.1	Guanylate cyclase soluble subunit beta-2
g25722.t1	NP_001187735.1	guanylin
454_FWM5MQA01CCCEIS	AAA93301.1	HASI
g29914.t1	ELW69465.1	HBS1-like protein
g50196.t1	NP_001070204.2	HBV PreS1-transactivated protein 3
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g32027.t1	EAW86218.1	hCG23994
g34662.t1	ABD77534.1	HDCME31P
yu_Contig20052	XP_006004814.1	HEAT repeat-containing protein 4
g28544.t1	AAH33020.1	Heat shock transcription factor family member 5
g15380.t1	XP_705649.1	hemogen
g4154.t1	XP_004071392.1	hemoglobin subunit alpha-1
g1651.t1	NP_001187115.1	hemoglobin-beta
g3174.t1	XP_002660455.1	heparan-alpha-glucosaminide N-acetyltransferase
g40525.t1	NP_001188323.1	hepcidin
alltrinity_comp190625_c1_seq6	XP_005457724.1	HERV-H LTR-associating protein 1
g581.t1	NP_998548.1	heterogeneous nuclear ribonucleoprotein L2
g30955.t1	XP_003441680.1	HHIP-like 1
skin_comp69465_c0_seq1	NP_001007312.1	high mobility group nucleosome-binding domain-containing protein 3
g55881.t1	NP_956117.1	HIRA-interacting protein 3
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g42912.t1	P06350	Histone H1
g23517.t1	XP_690894.2	histone H3.v1
g6844.t1	NP_001167383.1	histone-lysine N-methyltransferase PRDM9
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g17810.t1	EPQ09134.1	Homeobox protein TGIF2
105_ccaa	AHH37531.1	Homeodomain-only protein

g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g10063.t1	NP_001107887.2	hydrocephalus inducing
g12364.t1	XP_001920196.2	hydrolethalus syndrome protein 1
g86.t1	NP_996969.1	hydroxyacid-oxoacid transhydrogenase, mitochondrial
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g19491.t1	EOB02515.1	hypothetical protein Anapl_05179
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AUDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g16051.t1	XP_001895429.1	hypothetical protein Bm1_19870
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g5480.t1	XP_002609682.1	hypothetical protein BRAFLDRAFT_123581
g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g11401.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g34989.t1	EPH53845.1	hypothetical protein CAOG_08411
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g7223.t1	ELT96916.1	hypothetical protein CAPTEDRAFT_203287
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
pac_pacbio_409519191_7/248_795	ELT94797.1	hypothetical protein CAPTEDRAFT_208381
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_15852	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654

g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g21052.t1	XP_0022614835.1	hypothetical protein CLUG_04850
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g26742.t1	XP_003090924.1	hypothetical protein CRE_02700
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g15266.t1	EHH14791.1	hypothetical protein EGK_00769
g718.t1	EHH19738.1	hypothetical protein EGK_02455
g10092.t1	EHH58911.1	hypothetical protein EGM_08878
g33522.t1	AAI62585.1	Hypothetical protein FLJ20272
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
pac_pacbio_412375902_2/3_3533	EHB04114.1	hypothetical protein GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g261107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein IscW_ISCW012389
g26906.t1	EHH64573.1	hypothetical protein KGM_05799
g11127.t1	EHH73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
yu_Contig27080	ETE61988.1	hypothetical protein L345_12259
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g33241.t1	NP_965518.1	hypothetical protein LJ1711
g8456.t1	XP_001922778.2	hypothetical protein LOC100000228
g20457.t1	XP_001340940.4	hypothetical protein LOC100000814
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g22195.t1	XP_001341343.3	hypothetical protein LOC100001321
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g1263.t1	XP_001367872.2	hypothetical protein LOC100013484
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g29531.t1	XP_003199650.1	hypothetical protein LOC100034383
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10596.t1	XP_003200637.1	hypothetical protein LOC100034587
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g50051.t1	XP_001919839.2	hypothetical protein LOC100148872
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g12971.t1	XP_001919813.2	hypothetical protein LOC100150366
g19796.t1	XP_001920901.2	hypothetical protein LOC100150454
g38934.t1	XP_001920208.3	hypothetical protein LOC100150803
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10383.t1	XP_001922042.3	hypothetical protein LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g17657.t1	XP_002662059.2	hypothetical protein LOC100318173
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g49522.t1	XP_002663889.1	hypothetical protein LOC100329274
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g34720.t1	XP_002664903.1	hypothetical protein LOC100329570

g31988.t1	XP_002664361.1	hypothetical protein LOC100329833
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g28608.t1	XP_002667279.1	hypothetical protein LOC100330441
g21958.t1	XP_002664136.2	hypothetical protein LOC100330539
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g26068.t1	XP_002661760.2	hypothetical protein LOC100330775
g17427.t1	XP_002660724.2	hypothetical protein LOC100330837
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g24861.t1	XP_002665640.2	hypothetical protein LOC100331092
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g25655.t1	XP_002664349.2	hypothetical protein LOC100331351
g45875.t1	XP_002663377.2	hypothetical protein LOC100331483
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g14474.t1	XP_002662629.1	hypothetical protein LOC100332081
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g57841.t1	XP_002662026.2	hypothetical protein LOC100333032
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g41441.t1	XP_002664810.2	hypothetical protein LOC100333838
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g28698.t1	XP_003197997.1	hypothetical protein LOC100534713
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g3116.t1	XP_003199773.1	hypothetical protein LOC100535494
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g29556.t1	XP_003197780.1	hypothetical protein LOC100535525
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein LOC100535628
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g28564.t1	XP_003198618.1	hypothetical protein LOC100535945
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g1931.t1	XP_003201129.1	hypothetical protein LOC100536326
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g18154.t1	XP_003200310.1	hypothetical protein LOC100536514
g23318.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g16515.t1	XP_003198458.1	hypothetical protein LOC100536930
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48486.t1	XP_003199820.1	hypothetical protein LOC100537710
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g22727.t1	XP_003200253.1	hypothetical protein LOC100537945
g12081.t1	XP_003198218.1	hypothetical protein LOC100538074
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
alltrinity_comp381973_c0_seq1	XP_003230335.1	hypothetical protein LOC100551644
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein LOC100636977
yu_Contig1642	XP_003390502.1	hypothetical protein LOC100637606
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135
g48860.t1	XP_003430776.1	hypothetical protein LOC100681616
g45927.t1	XP_003448896.1	hypothetical protein LOC100690204
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594

g5376.t1	XP_003455589.1	hypothetical protein LOC100692109
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g49728.t1	XP_003442423.1	hypothetical protein LOC100693951
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g14329.t1	XP_003449587.1	hypothetical protein LOC100697617
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g29254.t1	XP_003441428.1	hypothetical protein LOC100698734
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g7695.t1	XP_003455041.1	hypothetical protein LOC100701310
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g11123.t1	XP_003441973.1	hypothetical protein LOC100707794
g14235.t1	XP_003454161.1	hypothetical protein LOC100708199
g20224.t1	XP_003455887.1	hypothetical protein LOC100708291
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g31218.t1	XP_003459981.1	hypothetical protein LOC100709753
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g1673.t1	XP_003449133.1	hypothetical protein LOC100710414
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g34937.t1	XP_002664857.1	hypothetical protein LOC323246
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g11708.t1	XP_002663454.2	hypothetical protein LOC450004
g10034.t1	XP_686205.5	hypothetical protein LOC553348
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g25289.t1	XP_001920913.1	hypothetical protein LOC553492
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g31496.t1	XP_683935.3	hypothetical protein LOC556113
g30513.t1	XP_685048.4	hypothetical protein LOC557000
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g19746.t1	XP_686125.4	hypothetical protein LOC557879
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g18101.t1	XP_689554.5	hypothetical protein LOC561062
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g20117.t1	XP_690688.2	hypothetical protein LOC562197
g54587.t1	XP_691803.3	hypothetical protein LOC563347
g40833.t1	XP_692201.3	hypothetical protein LOC563749
g562.t1	XP_692234.5	hypothetical protein LOC563780
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g30653.t1	XP_693095.2	hypothetical protein LOC564674
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g21982.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g41440.t1	XP_003200916.1	hypothetical protein LOC566704

g25754.t1	XP_695219.4	hypothetical protein LOC566840
g19675.t1	XP_696152.4	hypothetical protein LOC567758
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g40614.t1	XP_697364.2	hypothetical protein LOC568911
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g53599.t1	XP_697757.3	hypothetical protein LOC569287
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g51226.t1	XP_698369.3	hypothetical protein LOC569866
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g53072.t1	XP_701145.5	hypothetical protein LOC572344
g34835.t1	XP_698030.5	hypothetical protein LOC573741
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g38954.t1	XP_001332567.3	hypothetical protein LOC792924
g57140.t1	XP_001333219.1	hypothetical protein LOC793455
g31759.t1	XP_001921853.2	hypothetical protein LOC794266
g30950.t1	XP_003200543.1	hypothetical protein LOC794433
g35106.t1	XP_003199182.1	hypothetical protein LOC794533
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g55848.t1	XP_001336831.3	hypothetical protein LOC796490
g49887.t1	XP_003201482.1	hypothetical protein LOC796632
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g2422.t1	XP_001338767.4	hypothetical protein LOC798310
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g39084.t1	XP_001339544.1	hypothetical protein LOC799157
g17493.t1	XP_001921142.3	hypothetical protein LOC799338
g31791.t1	XP_001921144.1	hypothetical protein LOC799340
pac_pacbio_411861709_2/3_6178	ESPO2324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_409787543_2/20_1120	ESO98415.1	hypothetical protein LOTGIDRAFT_159224
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
blue_Contig76209.1_4618	EPS57129.1	hypothetical protein M569_17693
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g57576.t1	ELR61013.1	hypothetical protein M91_09415
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
qifan_comp141170_c0_seq7	AAI09414.1	Hypothetical protein MGC35261
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
g42457.t1	YP_660931.1	hypothetical protein Patl_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PycPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g19938.t1	EIE76881.1	hypothetical protein RO3G_01585
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
pac_pacbio_411898645_5/245_1680	YP_251955.1	hypothetical protein SH0040
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_409695269_4/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390

pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g21223.t1	EEZ97438.1	hypothetical protein TcasGA2_TC011269
g7325.t1	XP_003683123.1	hypothetical protein TDEL_OH00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g8045.t1	EMP41437.1	hypothetical protein UY3_01303
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_412340017_1/21_3137	ENN76582.1	hypothetical protein YQE_07031
pac_pacbio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	Ifi-6-16
g37243.t1	AFV08803.1	IFNc
g48078.t1	T18537	Ig heavy chain
g42565.t1	ADO28396.1	IG lambda chain v-ii region nIG-84
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g48544.t1	PF02372.10	IL15
g48990.t1	NP_001165325.1	IL-6 subfamily member ciliary neurotrophic factor
qifan_comp162661_c0_seq1	NP_001186609.1	im:6901724
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g5910.t1	AAH92165.1	Im:7147241
321_ccaa	AAAL01590.1	immune-type receptor 10
g48051.t1	ADF56020.1	immunoglobulin delta heavy chain
g16935.t1	P02976	Immunoglobulin G-binding protein A
g51413.t1	AAA16654.1	immunoglobulin light chain
g20088.t1	ACG70844.2	immunoglobulin light chain sigma 1
g24964.t1	AAD22198.1	immunoglobulin light chain variable region
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g31572.t1	XP_004553026.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g13672.t1	PF04156.9	IncA
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g1340.t1	NP_001187175.1	intelectin 1
g45588.t1	Q00238	Intercellular adhesion molecule 1
g37235.t1	AAV97700.1	interferon 4
g35958.t1	NP_001187263.1	interferon gamma
g37320.t1	ACV41808.1	interferon gamma receptor 1-1
qifan_comp130822_c0_seq1	ACV41809.1	interferon gamma receptor 1-2
g40560.t1	NP_001184131.1	interferon lambda receptor 1
g12025.t1	XP_001345981.3	interferon-induced protein 44
g10951.t1	NP_001018623.1	interleukin 17a/f1
g10950.t1	NP_001018634.1	interleukin 17a/f2
g35960.t1	NP_001018628.1	interleukin 22
g35959.t1	NP_001018635.1	interleukin 26
alltrinity_comp199313_c1_seq4	CAJ75795.1	interleukin 4 receptor alpha
g22569.t1	NP_001117832.1	interleukin-1 receptor type 1
g10161.t1	NP_001117827.1	interleukin-1 receptor type II
g4933.t1	XP_688141.3	interleukin-17 receptor D
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
yu_Contig11390	XP_005742066.1	interleukin-5 receptor subunit alpha
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
yu_Contig4862	AAAN41455.1	interleukin-8 variant 3
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein USO1
g4533.t1	A7MBP4.2	Intraflagellar transport protein 46
g24054.t1	P07476	Involucrin
g30719.t1	EMP37633.1	IQ domain-containing protein G
g21009.t1	NP_001038594.1	IQ motif-containing protein H
g57030.t1	NP_001073450.1	isochorismatase domain-containing protein 1
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g29494.t1	EOA98604.1	Kelch domain-containing protein 3
g56644.t1	XP_005027243.1	kelch-like protein 10

g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
ncbimrna_375790490	XP_005164234.1	keratin-associated protein 9-2
g54622.t1	BAA07679.1	KIAA0094
g26566.t1	AAW34265.1	KIAA0650
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
g55705.t1	NP_001187365.1	kinetochore protein Spc24
cdna_clc_556451	XP_001923648.1	kinetochore-associated protein DSN1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g55167.t1	AFM08414.1	kisspeptin 2
g26223.t1	XP_004554834.1	kyphoscoliosis peptidase
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g1395.t1	XP_690670.4	latent-transforming growth factor beta-binding protein 1
g15807.t1	XP_002733056.1	latrophilin 2
g29933.t1	XP_001919911.1	Lebercilin
g50063.t1	NP_001020650.1	lectin C-type domain containing
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g48184.t1	XP_002667635.1	leucine-rich repeat neuronal protein 4
g26419.t1	XP_692159.4	leucine-rich repeat transmembrane neuronal protein 4
g10708.t1	XP_698357.3	leucine-rich repeat-containing protein 14
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g46882.t1	XP_001333128.4	leucine-rich repeat-containing protein 19
g24042.t1	XP_002663924.1	leucine-rich repeat-containing protein 45
g21087.t1	XP_004561425.1	leucine-rich repeat-containing protein 46
g13063.t1	XP_004713085.1	leucine-rich repeat-containing protein 48
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g58077.t1	NP_001018537.1	leucine-rich repeat-containing protein C10orf11
g17866.t1	NP_001186852.1	leucine-rich repeat-containing protein KIAA1731
g24646.t1	XP_001923860.1	leukemia NUP98 fusion partner 1
g10595.t1	ADO27861.1	leukocyte elastase inhibitor
g38845.t1	NP_001187136.1	leukocyte immune-type receptor 3
g54732.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g46156.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g58055.t1	ADG29142.1	lily-type lectin
g24640.t1	P48059	LIM and senescent cell antigen-like-containing domain protein 1
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
alltrinity_comp205600_c0_seq2	XP_005169624.1	lisH domain-containing protein C1711.05
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g13815.t1	AAI34196.1	LOC100148397 protein
g8585.t1	AAH80048.1	LOC446287 protein
g10211.t1	AAH91901.1	LOC553343 protein
g33965.t1	AAH95280.1	LOC553445 protein
g16114.t1	AAI34108.1	LOC557892 protein
g37900.t1	AAI24249.1	LOC562321 protein
qifan_comp228097_c0_seq1	AAI25887.1	LOC565118 protein
cdna_aby_k55:1035126	AAI34074.1	LOC570443 protein
g31699.t1	AAI22307.1	LOC571260 protein
g48967.t1	AAI42880.1	LOC795887 protein
qifan_comp100734_c0_seq1	AAI33956.1	LOC799814 protein
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
pac_pacbio_410283153_1/0_1305	XP_003976043.1	low-density lipoprotein receptor-related protein 5
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g7050.t1	XP_003441946.1	L-seryl-tRNA(Sec) kinase
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060	LWamide I
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g18456.t1	XP_002662830.1	lymphocyte antigen 75

qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
yu_k51:2463656	NP_001133704.1	lymphocyte cytosolic protein 2
g200.t1	AFS18273.1	lymphoid-restricted membrane protein maternal long form
86_ccaa	AHH39989.1	LYR motif-containing protein 2
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g14945.t1	NP_001167308.1	lysosomal protein NCU-G1
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1
g37317.t1	XP_004065665.1	lysozyme C, milk isozyme
g42143.t1	NP_001187748.1	lysozyme g
g42724.t1	NP_956843.1	MACRO domain-containing protein 2
qifan_comp149545_c1_seq22	XP_005167283.1	macrophage colony-stimulating factor 2
alltrinity_comp205007_c1_seq1	CAQ42963.1	macrophage colony-stimulating factor-a
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g57759.t1	NP_001158857.1	Macrosialin
g17708.t1	ACI67278.1	Magnesium-dependent phosphatase 1
g5335.t1	NP_001103588.1	major histocompatibility complex class I ZE
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g19432.t1	NP_001188075.1	malate dehydrogenase
g42021.t1	NP_001188337.1	malate synthase
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
yu_k63:1574095	XP_005168547.1	MANSC domain-containing protein 1
g51530.t1	A6NHS7	MANSC domain-containing protein 4
g7676.t1	PF05672.6	MAP7
yu_Contig803	NP_001133522.1	MAP7 domain-containing protein 1
g13724.t1	NP_001093562.1	MAP7 domain-containing protein 2
g50272.t1	PF02063.12	MARCKS
g20240.t1	XP_004576282.1	mast/stem cell growth factor receptor kita
g46105.t1	XP_004075563.1	mastermind-like protein 2
g15185.t1	XP_002735800.1	matriptase
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
qifan_comp281743_c0_seq1	XP_004539198.1	max-interacting protein 1
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g6285.t1	EDL08828.1	mCG145114
g18370.t1	EDL20200.1	mCG145728
g25698.t1	XP_003441769.1	MDS1 and EVI1 complex locus protein EVI1
g40659.t1	PF05669.7	Med31
g57145.t1	NP_001187819.1	mediator of RNA polymerase II transcription subunit 11
skin_comp60651_c0_seq2	NP_001007771.1	mediator of RNA polymerase II transcription subunit 28
g35810.t1	NP_001187889.1	meiosis expressed gene 1 protein
g53157.t1	NP_001153485.1	meiosis-specific protein MEI4
g57509.t1	XP_003451039.1	meiotic recombination protein REC8
g31479.t1	Q16655	Melanoma antigen recognized by T-cells 1
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g28118.t1	XP_003201286.1	membrane protein FAM159A
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
cdna_cic_473604	NP_001135372.1	Membrane-spanning 4-domains subfamily A member 12
qifan_comp110320_c0_seq4	XP_005160308.1	membrane-spanning 4-domains subfamily A member 15
g8326.t1	XP_001339114.2	membrane-spanning 4-domains subfamily A member 4A
g11327.t1	ACI68246.1	Membrane-spanning 4-domains subfamily A member 8A
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentin
g35328.t1	XP_003444447.1	metalloprotease TIK1
g11865.t1	XP_004555069.1	metalloprotease TIK2
g10104.t1	XP_004590682.1	methionine aminopeptidase 1
g11726.t1	AAD08650.1	MHC class I alpha chain
g1125.t1	CAD12383.1	MHC class I antigen
g16296.t1	AAD39868.1	MHC class II antigen
g21294.t1	AAB67871.1	MHC class II beta chain
g8546.t1	ADM21330.1	MHC class IIA antigen
g24661.t1	AGO18313.1	MHC non-classical class I heavy chain
g1528.t1	XP_003218591.1	microsomal triglyceride transfer protein large subunit
g16979.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g46905.t1	XP_001341305.3	microtubule-associated serine/threonine-protein kinase 2
alltrinity_comp203544_c0_seq1	XP_006627139.1	microtubule-associated serine/threonine-protein kinase 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g41498.t1	ABD85505.1	mitochondrial 28S ribosomal protein S32
32_ccaa	ADO29386.1	mitochondrial 39S ribosomal protein I33
yu_Contig23459	XP_006801450.1	mitochondrial assembly of ribosomal large subunit protein 1
qifan_comp146731_c1_seq4	NP_001187531.1	mitochondrial ATP synthase subunit e

g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g38582.t1	ADO28791.1	mitochondrial cytochrome c oxidase subunit 7b
g38578.t1	XP_001336867.1	mitochondrial fission factor
g33630.t1	NP_001018402.2	mitochondrial fission factor homolog A
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g50291.t1	NP_001188135.1	mitochondrial NADH dehydrogenase (ubiquinone) iron-sulfur protein 6
184_ccaa	ABD65565.1	mitochondrial ribosomal protein L14
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
g33989.t1	NP_956591.1	monoglyceride lipase
pac_pacbio_410689841_1/34_1696	EMP27574.1	Mps one binder kinase activator-like 2A
g12545.t1	XP_691639.1	mpv17-like protein
g9882.t1	PF09812.4	MRP-L28
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g25059.t1	EPQ10665.1	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38098.t1	XP_690904.4	mucin-5AC
g16954.t1	XP_004547389.1	multicilin
g28794.t1	XP_694616.4	multimerin 2
g28508.t1	Q8BH27	Multiple epidermal growth factor-like domains protein 9
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g16464.t1	XP_003450076.1	MYCBP-associated protein
alltrinity_comp197680_c0_seq3	XP_005170136.1	myelin basic protein
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g18721.t1	XP_002940277.2	myosin-11
g11215.t1	XP_004589604.1	myosin-9
g50936.t1	NP_991142.1	myosin-IIIa
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIIb
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g48593.t1	XP_003440536.1	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1
g22859.t1	ABC75592.1	N-acetyltransferase 9
g57294.t1	XP_001922286.3	NACHT, LRR and PYD domains-containing protein 1
g19784.t1	XP_003459946.1	NACHT, LRR and PYD domains-containing protein 12
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g1813.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
g41374.t1	XP_003450957.1	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3
skin_comp65695_c0_seq1	XP_003200818.1	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1
g17332.t1	XP_003457472.1	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3
qifan_comp168279_c0_seq1	ACI67693.1	NADH dehydrogenase flavoprotein 3, mitochondrial
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g31483.t1	XP_682740.4	nasal embryonic luteinizing hormone-releasing hormone factor
g39069.t1	ADO27823.1	natterin
g23944.t1	NP_957484.1	negative elongation factor complex member C/D
qifan_comp145516_c0_seq3	NP_001002375.1	negative elongation factor E
g38974.t1	ACD99686.1	N-EGFP/biogenesis of lysosome-related organelles complex-1 subunit 1 fusion protein
g1139.t1	XP_001335854.3	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g53490.t1	XP_003497875.1	nephrocystin-1
g34035.t1	XP_003199124.1	nephrocystin-4
g25425.t1	XP_684540.4	neural proliferation differentiation and control 1
g31489.t1	NP_001122255.1	neural proliferation differentiation and control 1a
g45837.t1	NP_001038272.1	neuroblastoma-amplified sequence
g7924.t1	XP_004915774.1	neurofilament heavy polypeptide
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACJ64069.1	neuromedin s
alltrinity_comp173394_c1_seq1	XP_005160570.1	neuromedin-U
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g40728.t1	XP_003198998.1	neurosecretory protein VGF
alltrinity_comp138035_c0_seq2	XP_005159201.1	neurotensin/neuromedin N
g45802.t1	NP_957184.2	nicotinate phosphoribosyltransferase
g56748.t1	CAH19212.1	NILT1 leucocyte receptor
g56736.t1	ADV31326.1	NILT3

g38957.t1	XP_002666276.2	nischarin
g25414.t1	NP_001137373.1	NMDA receptor synaptonuclear signaling and neuronal migration factor
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
g53381.t1	ABD83886.1	NOD3 protein
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein
g21189.t1	NP_001187578.1	non-homologous end-joining factor 1
g32476.t1	NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
YY_jcf4834344	NP_001187209.1	novel immune-type receptor 1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
blue_Contig79650.1_8685	NP_001187234.1	novel immune-type receptor 12b
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g41981.t1	NP_001187173.1	novel immune-type receptor 15b
g41968.t1	NP_001187235.1	novel immune-type receptor 16
qifan_comp151672_c0_seq5	NP_001187023.1	novel immune-type receptor 2
g14848.t1	CAQ14956.1	novel protein
g39052.t1	CAQ14853.1	novel protein similar to human ring finger protein 123
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g22329.t1	CAH68844.1	novel protein similar to lectins
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g29059.t1	NP_001187292.1	n-terminal asparagine amidohydrolase
g25772.t1	XP_004557062.1	nuclear factor 1 A-type
g32636.t1	XP_004566846.1	nuclear factor of activated T-cells, cytoplasmic 1
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g39520.t1	NP_001018302.1	nuclear pore complex protein Nup88
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g35961.t1	NP_001038285.1	nuclear protein MDM1
379_ccaa	AHH40720.1	Nuclear respiratory factor 1
g42753.t1	XP_005006055.1	nucleolar and coiled-body phosphoprotein 1
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
qifan_comp157744_c0_seq1	XP_687281.4	nucleolar protein 7
g22043.t1	XP_002664363.2	nucleolin 2
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g48739.t1	NP_001018463.1	nudC domain-containing protein 1
g17832.t1	PF12882.2	NUT_C
g22326.t1	AAH83518.1	Ofd1 protein
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-bri_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
alltrinity_comp183206_c0_seq1	XP_005170482.1	oogenesis-related gene
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g49595.t1	NP_001077021.1	oral cancer overexpressed 1
g6578.t1	XP_004557966.1	oral-facial-digital syndrome 1 protein
g22847.t1	ABD75623.1	orf1ab polyprotein
pac_pacbio_411116759_1/53_4899	BAE46428.1	ORF1-encoded protein
g11628.t1	NP_997836.1	origin recognition complex subunit 6
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
alltrinity_comp198007_c1_seq1	XP_001335873.1	oxidoreductase-like domain-containing protein 1
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g29706.t1	AAH56084.1	P42pop protein
g24665.t1	ABW84004.1	p65 transcription factor
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g22121.t1	ACO09666.1	Pancreatic alpha-amylase
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g45130.t1	XP_001344092.2	partitioning defective 3
g25369.t1	XP_003198698.1	PDZ domain-containing protein 2
g8231.t1	XP_689774.3	PDZ domain-containing protein 8
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g57646.t1	XP_694358.2	pentraxin-related protein PTX3
g11064.t1	YP_001107629.1	PE-PGRS family protein
g4101.t1	BAM76489.1	pepsinogen
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
yu_Contig16051	NP_001134526.1	peptidyl-tRNA hydrolase ICT1, mitochondrial
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g31118.t1	ACO13897.1	Peroxisomal trans-2-enoyl-CoA reductase

blue_Contig79241.1_7555	XP_003199944.2	peroxisome proliferator-activated receptor gamma, coactivator 1 beta
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g46586.t1	XP_004542807.1	phosphatase and actin regulator 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g48193.t1	ACO09392.1	Phospholemman
g20366.t1	XP_696991.4	phospholipase B1, membrane-associated
g5029.t1	NP_001265769.1	phospholipase C-beta 2
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g15799.t1	XP_004067526.1	phosphorylase b kinase regulatory subunit beta
g54949.t1	XP_688220.2	phosphorylated CTD-interacting factor 1
g10149.t1	NP_956113.1	phosphoserine aminotransferase
g54218.t1	XP_696355.4	piezo-type mechanosensitive ion channel component 1
alltrinity_comp204307_c0_seq7	XP_005997448.1	piggyBac transposable element-derived protein 4
g52420.t1	Q5PRB3	PIH1 domain-containing protein 2
alltrinity_comp200811_c3_seq15	NP_001258403.1	pituitary tumor-transforming 1
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g50680.t1	XP_004086701.1	plectin
g40062.t1	XP_003410187.1	plexin-A2
g44731.t1	XP_004553914.1	plexin-C1
g11332.t1	BAK19070.1	PL-toxin I
g6857.t1	PF05287.7	PMG
pac_pacbio_411922373_2/10_5641	XP_005943483.1	pogo transposable element with KRAB domain
g15997.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g11561.t1	Q9NQS3	Poliovirus receptor-related protein 3
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
g26895.t1	XP_002660995.2	polymeric immunoglobulin receptor
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g5354.t1	XP_694050.5	potassium channel subfamily T member 2
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g9576.t1	XP_004557932.1	potassium voltage-gated channel subfamily E member 2
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g32182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g16559.t1	AAO65775.1	preprogalanin 1A
g19904.t1	NP_001187244.1	preproghrelin-1
g3526.t1	EGW05636.1	Prestalk protein
qifan_comp146427_c0_seq38	XP_002660420.2	primary ciliary dyskinesia protein 1
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g10194.t1	XP_004544307.1	probable E3 ubiquitin-protein ligase HECTD4
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g26844.t1	Q8IZF6	Probable G-protein coupled receptor 112
qifan_comp145639_c0_seq3	XP_005736736.1	probable G-protein coupled receptor 116
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g47972.t1	XP_683670.3	probable palmitoyltransferase ZDHHC8
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g36113.t1	XP_003445125.1	probable serine racemase
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g15798.t1	AAG47643.1	progastricin
g35724.t1	ABD33839.1	prolactin-releasing peptide C-RFamide
g57823.t1	ACY24366.1	proliferator-activated receptor gamma coactivator 1 alpha
g10404.t1	XP_004566478.1	proline and serine-rich protein 2
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
qifan_comp148759_c1_seq6	XP_695751.4	proline-rich protein 11

g14795.t1	XP_003200626.1	proline-rich protein 15
g42773.t1	XP_004556116.1	proline-rich protein 18
g27019.t1	XP_004478809.1	proline-rich protein 2
g38522.t1	XP_004556894.1	proline-rich protein 7
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g31275.t1	XP_003459204.1	prolyl-tRNA synthetase associated domain-containing protein 1
g11597.t1	NP_001189471.1	pro-melanin concentrating hormone
g37955.t1	ABB71125.1	prominin
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound
g4675.t1	NP_001130019.1	Prop-1-like homeobox protein
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g46354.t1	XP_706427.1	prostate stem cell antigen
g45622.t1	XP_003446516.1	protachykinin
g47402.t1	NP_001187994.1	proteasome assembly chaperone 3
skin_comp69402_c4_seq6	NP_001188200.1	proteasome inhibitor PI31 subunit
g30811.t1	XP_004069473.1	protection of telomeres protein 1
g21232.t1	NP_001153456.1	protein AF1q
g36968.t1	NP_001007451.1	protein aurora borealis
g51653.t1	I6V1W0	Protein brambleberry
g27449.t1	XP_002667478.1	protein C9orf69
g41295.t1	XP_003438824.1	protein CCSMST1
g40596.t1	NP_001128607.1	protein DBF4 homolog A
g20822.t1	XP_003206010.1	protein Dok-7
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g29266.t1	XP_001922304.2	protein FAM107B
g18685.t1	XP_004576381.1	protein FAM111A
g46044.t1	NP_001082796.1	protein FAM115
g22887.t1	XP_003199107.1	protein FAM150
g17314.t1	XP_001921122.1	protein FAM160A1
g13922.t1	NP_001076489.2	protein FAM166B
g47603.t1	Q7T297.2	Protein FAM172A
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g57503.t1	XP_004542702.1	protein FAM194A
g48523.t1	XP_004545492.1	protein FAM196B
g47630.t1	XP_001503756.1	protein FAM81B
g22410.t1	XP_698666.2	protein FAM83C
g6892.t1	ELW61426.1	Protein Filia
g33732.t1	XP_001337543.1	protein fuzzy
g13785.t1	XP_003504247.1	protein IWS1
g10115.t1	Q11VC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g14847.t1	XP_003766334.1	protein kinase C zeta type
g21518.t1	NP_001155070.1	protein kinase domain-containing protein, cytoplasmic
g48467.t1	XP_003121852.1	protein kintoun
g25812.t1	NP_001091717.1	protein MEF2BNB
g12881.t1	XP_004560274.1	protein NLRC3
g16588.t1	NP_956910.3	protein odr-4
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g51448.t1	XP_700422.2	protein phosphatase 1 regulatory subunit 32
g23048.t1	NP_001038856.1	protein phosphatase 1 regulatory subunit 35
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq1	XP_005162407.1	protein pitchfork
g53035.t1	XP_690522.1	protein QN1
g26037.t1	XP_004540628.1	protein RD3
g57665.t1	XP_002660902.2	protein RSM22 homolog, mitochondrial
g11311.t1	XP_698471.1	protein S100-A1
g7840.t1	XP_684264.1	protein SCAI
g14308.t1	P18583	Protein SON
225_ccaa	AHH42861.1	Protein starmaker
g44009.t1	NP_001245157.1	protein TALPID3
g6472.t1	XP_002661201.2	protein TANC2
g53954.t1	NP_001039313.1	protein TSSC4
g26393.t1	XP_004538477.1	protein turtle homolog A
g52388.t1	Q9UPX0	Protein turtle homolog B
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g55407.t1	XP_004083412.1	protein-tyrosine kinase 2-beta
qifan_comp133175_c0_seq1	NP_919357.2	prothymosin alpha-A
g48886.t1	Q8BNA6	Protocadherin Fat 3
g48505.t1	XP_004545934.1	protocadherin gamma-A11
g27777.t1	XP_002664482.2	protocadherin-11 X-linked
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1

g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_c0_seq1	XP_006627932.1	Purkinje cell protein 4
g13829.t1	EMC83910.1	Putative aarF domain-containing protein kinase 1
g17298.t1	XP_004072462.1	putative acyl-CoA dehydrogenase AidB
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g51665.t1	Q9CWU0	Putative ATP-dependent RNA helicase TDRD12
g25728.t1	A8MY62	Putative beta-lactamase-like 1
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g15773.t1	XP_002933839.1	putative ferric-chelate reductase 1
blue_Contig76042.1_12824	AAL35358.1	putative GAG protein
g13273.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
blue_Contig74137.1_6994	XP_005295324.1	putative golgin subfamily A member 6C
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g56749.t1	CAR82065.1	putative NILT1 leukocyte receptor
g37387.t1	XP_003442860.1	putative nuclease HARBI1
pac_pacbio_410136248_1/36_2527	AAD19347.1	putative nucleic acid binding protein
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
XY_XY_ctg488300	CBL94163.1	putative RNA-directed DNA polymerase
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
skin_comp42512_c0_seq1	CAF92508.1	Putative transmembrane protein LOC100289255
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein CXorf58
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31244.t1	XP_003197692.1	putative uncharacterized protein ENSP00000382790
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g56743.t1	XP_004066107.1	pyrin
g17003.t1	XP_004554412.1	pyruvate carboxylase, mitochondrial
g25848.t1	ADO28129.1	qil1
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g41753.t1	XP_001923878.2	rab15 effector protein
g49845.t1	CBN81155.1	Rac GTPase-activating protein 1
qifan_comp288907_c0_seq1	XP_005160464.1	RAD51 paralog B
g39836.t1	NP_001133673.1	RAD51-associated protein 1
g37244.t1	NP_001187357.1	rad52 motif-containing protein 1
cdna_aby_k57:953817	XP_003198269.1	RAD9, HUS1, RAD1-interacting nuclear orphan protein 1
qifan_comp177537_c0_seq1	XP_003199132.1	regulator complex protein LAMTOR5
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g36753.t1	XP_001919810.2	rap1 GTPase-GDP dissociation stimulator 1-B
qifan_comp149128_c0_seq1	XP_006633899.1	ras association domain-containing protein 5
g22605.t1	XP_004574467.1	ras guanyl-releasing protein 3
g53492.t1	XP_002734139.1	RAS protein activator like 1
skin_comp68156_c1_seq3	XP_005174176.1	RBBP8 N-terminal-like protein
g14844.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g80.t1	Q9H426	Regulating synaptic membrane exocytosis protein 4
qifan_comp63515_c0_seq1	XP_001344817.1	regulator of cell cycle RGCC
g27348.t1	O54829	Regulator of G-protein signaling 7
g43233.t1	XP_004538833.1	regulatory-associated protein of mTOR
g36468.t1	NP_001002607.1	renalase
g48398.t1	BAB83841.1	ReO_6
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g11957.t1	XP_003458725.1	resistance to inhibitors of cholinesterase protein 3
g45384.t1	NP_001002190.1	response gene to complement 32 protein
g54129.t1	XP_004543134.1	retinal dehydrogenase 2
g49661.t1	NP_001187815.1	retinoblastoma binding protein 9
g41619.t1	XP_003455292.1	retinoic acid receptor beta
g42908.t1	XP_003439839.1	retinoic acid-induced protein 2
g26575.t1	XP_002739124.1	RETRtransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
g8377.t1	XP_004552665.1	rho GTPase-activating protein 6
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33

g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
skin_comp65253_c0_seq3	XP_001344100.3	rhomboid domain-containing protein 2
g41781.t1	NP_001187915.1	rib43a-like with coiled-coils protein 2
31_ccaa	ADO29417.1	ribonuclease h2 subunit c
g4447.t1	XP_001346157.4	ribonuclease inhibitor
pac_pacbio_412068367_5/40_2901	NP_001093575.1	ribonuclease like 2
g4248.t1	XP_004566297.1	ribonuclease ZC3H12A
g39157.t1	AAH66678.1	Ribophorin II
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
skin_comp61972_c0_seq1	NP_001073413.1	ribosomal RNA processing protein 36
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
46_ccaa	ADO28905.1	ria domain-containing protein c1orf230
g1385.t1	XP_691626.5	RIMS-binding protein 2
g25469.t1	XP_003443438.1	RING finger protein 212
g8345.t1	Q55PX3	RING finger protein 215
yu_Contig21821	XP_006802786.1	RING finger protein C14orf164
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylylase synthase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_seq5	XP_005167635.1	RNA-binding protein 44
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
yu_Contig28954	XP_005943327.1	RNMT-activating mini protein
g48238.t1	XP_004571181.1	rootletin
g52285.t1	PF00078.22	RVT_1
yu_Contig12595	NP_957050.1	RWD domain-containing protein 3
g51369.t1	XP_003454106.1	ryanodine receptor 2
g29414.t1	NP_001187730.1	s-adenosylmethionine mitochondrial carrier protein
g48857.t1	P04927.1	S-antigen protein
qifan_comp149773_c0_seq5	XP_002663941.1	sarcoplasmic reticulum histidine-rich calcium-binding protein
qifan_comp141770_c0_seq1	XP_001922616.3	saxitoxin and tetrodotoxin-binding protein 2
g25183.t1	AAI54831.1	Sb:cb1022 protein
g250.t1	PF02023.12	SCAN
g50982.t1	EMP27478.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g52941.t1	XP_001920334.3	SCO-spondin
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g7804.t1	PF12931.2	Sec16_C
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g11637.t1	XP_003198264.1	secretory phospholipase A2 receptor
g25061.t1	NP_001245158.1	selectin P ligand
qifan_comp156288_c0_seq1	NP_001004681.2	selenoprotein K
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g55918.t1	NP_919398.1	selenoprotein W, 2a
g55919.t1	NP_919399.3	selenoprotein W, 2b
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37033.t1	A2BGU9.1	Serine hydrolase-like protein
g50818.t1	XP_004564406.1	serine/arginine repetitive matrix protein 1
g23262.t1	XP_001922611.1	serine/arginine repetitive matrix protein 2
g15414.t1	P0CB65	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36
g45567.t1	XP_004562609.1	serine/threonine-protein kinase 11-interacting protein
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g4821.t1	XP_004566361.1	serine/threonine-protein kinase Nek5
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g13861.t1	NP_001073513.2	serine/threonine-protein kinase SMG1
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g47643.t1	NP_001103754.1	serologically defined colon cancer antigen 3
g58243.t1	B8JK76.2	Serologically defined colon cancer antigen 8
g13730.t1	PF00079.15	Serpin
g12407.t1	AAH14726.1	SERTA domain containing 2
alltrinity_comp205847_c0_seq1	XP_005157012.1	SERTA domain-containing protein 4
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g33657.t1	AAI14253.1	Sft2d3 protein
g14649.t1	XP_004075685.1	SH2B adapter protein 2
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6POR8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
yu_Contig26491	AAI54252.1	Si:ch211-147a11.3 protein

yu_Contig11093	XP_683586.2	si:ch211-153a8.4
qifan_comp255491_c0_seq1	XP_003200891.1	si:ch211-191j22.3
pac_pacbio_411998783_1/4_5593	XP_005159815.1	si:ch211-193k19.2
qifan_comp150838_c0_seq11	XP_694355.3	si:ch211-199g17.9
skin_comp64612_c0_seq2	NP_001139062.1	si:ch211-206k20.5
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1_seq2	XP_003197657.2	si:ch211-235f1.3
alltrinity_comp207474_c0_seq13	XP_005160672.1	si:ch211-51a19.5
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
alltrinity_comp210636_c0_seq5	XP_003200089.2	si:dkey-103g5.4
qifan_comp143879_c0_seq1	AAI55834.1	Si:dkey-10p5.7
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
alltrinity_comp205023_c5_seq11	XP_005167449.1	si:dkey-11f4.16
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12l12.1
alltrinity_comp210422_c2_seq5	AAI46716.1	Si:dkey-202b22.2
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp63543_c0_seq2	XP_689978.6	si:dkey-3b8.4
cdna_clc_266768	AAH97228.1	Si:dkey-60a16.5 protein
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
qifan_comp141671_c1_seq1	AAI33988.1	Si:dkey-86e18.1 protein
ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g26192.t1	XP_967283.1	similar to methionine aminopeptidase
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g22493.t1	XP_001813277.1	similar to polyprotein
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g14331.t1	AAAX28387.2	SJCHGC01615 protein
pac_pacbio_409952053_1/5_1025	AAAX26836.2	SJCHGC03019 protein
g56366.t1	AAAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
g3687.t1	AAAX28135.2	SJCHGC07585 protein
qifan_comp275485_c0_seq1	AAAX30961.2	SJCHGC09650 protein
qifan_comp213645_c0_seq1	XP_002667664.3	SLAM family member 5
g13366.t1	XP_003457715.1	SLAM family member 7
alltrinity_comp206233_c0_seq2	XP_005163632.1	SLAM family member 9
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g4607.t1	XP_002666547.1	small cell adhesion glycoprotein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
qifan_comp132148_c0_seq1	XP_003437706.1	small EDRK-rich factor 2
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g48087.t1	XP_003447288.1	small integral membrane protein 13
skin_comp67519_c0_seq1	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_seq1	XP_002663002.1	small integral membrane protein 20
cdna_FD350235.1	XP_002666500.1	small integral membrane protein 4
g15224.t1	POC850.1	Small membrane A-kinase anchor protein
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor O2A10
qifan_comp152805_c0_seq5	NP_001073632.1	snRNA-activating protein complex subunit 5
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g15416.t1	XP_004571125.1	sodium bicarbonate cotransporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g26571.t1	ACA52542.1	soluble adenylyl cyclase
g39956.t1	XP_682935.4	solute carrier family 35 member F1
g10967.t1	XP_003200394.1	SPARC protein 1
g56465.t1	XP_004540041.1	SPARC-related modular calcium-binding protein 1
g15146.t1	XP_004547531.1	specifically androgen-regulated gene protein
g54349.t1	XP_004573629.1	sperm acrosome membrane-associated protein 4
g28664.t1	NP_956821.1	sperm flagellar protein 1
g32392.t1	XP_003201529.1	sperm-associated antigen 16 protein
g5037.t1	XP_696012.3	sperm-associated antigen 5
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
cdna_aby_k21:3497806	XP_003200342.2	spermatogenesis-associated protein 7
alltrinity_comp203461_c4_seq1	NP_001070815.1	sperm-tail PG-rich repeat-containing protein 2
g38307.t1	XP_004559057.1	sphingomyelin phosphodiesterase 4
g31528.t1	NP_957462.2	splicing factor, arginine/serine-rich 8

g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g38956.t1	ABD83928.1	stabilin 1 precursor-like
g47377.t1	NP_001165106.1	stannin
g54491.t1	XP_001340114.1	stAR-related lipid transfer protein 13
g44215.t1	XP_001921905.3	stAR-related lipid transfer protein 9
g15561.t1	EMS57593.1	Stellacyanin
g20017.t1	XP_003199616.1	sterile alpha motif domain-containing protein 14
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
g34071.t1	EMP27723.1	Stonustoxin subunit alpha
g4175.t1	XP_001922696.1	stonustoxin subunit beta
g58122.t1	NP_001116482.1	storkhead-box protein 1
g17540.t1	XP_004566668.1	storkhead-box protein 2
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33229.t1	P18899	Stress protein DDR48
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g26563.t1	XP_699397.4	structural maintenance of chromosomes flexible hinge domain-containing protein 1
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g11617.t1	XP_003199509.1	suppressor of cytokine signaling 7
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g47279.t1	EMC89852.1	Sushi domain-containing protein 5
g32554.t1	XP_004553021.1	sushi, nidogen and EGF domain-containing protein 1
g1399.t1	XP_001338522.1	synapse differentiation-inducing gene protein 1
g55620.t1	NP_001018339.1	synaptonemal complex central element protein 2
qifan_comp72641_c0_seq1	XP_685048.5	synaptonemal complex protein 2
g1427.t1	NP_001002463.1	synaptotagmin Ia
g3059.t1	XP_004574805.1	synaptotagmin-14
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
pac_pacbio_409686748_2/44_853	AEM44665.1	T cell receptor alpha
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
g9573.t1	XP_004086185.1	tachykinin-like peptides receptor 86C
g31937.t1	XP_001919985.1	tapasin-related protein
pac_pacbio_412220450_1/5_6196	XP_002663453.2	taste receptor type 2 member 10
pac_pacbio_409902838_1/58_3510	NP_001094099.1	taste receptor, type 2, member 202
g32976.t1	BAF37936.1	Tc1-like transposase
g17392.t1	NP_001038484.1	TCDD-inducible poly [ADP-ribose] polymerase
g33279.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g54837.t1	ACI68751.1	T-cell leukemia translocation-altered gene protein
136_ccaa	AAR06175.1	T-cell receptor alpha
147_ccaa	AAB94920.1	T-cell receptor beta variable region
alltrinity_comp198462_c1_seq4	AEL12165.1	T-cell receptor delta
202_ccaa	AEK48174.1	T-cell receptor gamma
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
cdna_aby_k93:245501	XP_005168366.1	T-cell surface antigen CD2
g36870.t1	XP_003201454.1	t-cell surface glycoprotein CD1b3
g12829.t1	NP_001187191.1	T-cell surface glycoprotein CD3 zeta chain
g41375.t1	NP_001154179.1	TCF3 fusion partner
g31454.t1	ADM15562.1	Tcf4
pac_pacbio_411142717_2/57_1104	AAD56891.1	TCR alpha variable region
g56562.t1	AAD56899.1	TCR beta variable region
g41854.t1	CBN81388.1	Tectonic-3
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g17806.t1	XP_002663251.1	TELO2-interacting protein 2
g18472.t1	XP_691552.5	teneurin-1
g7378.t1	NP_571043.1	teneurin-3
g48080.t1	G7NY55	Testis- and ovary-specific PAZ domain-containing protein 1
g19828.t1	XP_692960.1	testis development-related protein
qifan_comp120154_c0_seq2	XP_005157775.1	testis expressed 26
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
qifan_comp140589_c0_seq1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g233.t1	PF00335.15	Tetraspannin
g34615.t1	XP_002662229.2	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g33524.t1	NP_775392.2	tetratricopeptide repeat protein 27
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g38235.t1	XP_695354.2	thy-1 membrane glycoprotein
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_seq1	NP_001124169.1	thymosin, beta 4 x

g35331.t1	AFN02885.1	TIK1
g54002.t1	NP_001003452.1	TIMELESS-interacting protein
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g25093.t1	XP_001923800.1	titin
g40536.t1	XP_001340554.4	T-lymphocyte surface antigen Ly-9
qifan_comp244077_c0_seq1	NP_001092733.1	TM2 domain-containing protein 1
g36919.t1	PF00229.13	TNF
g35633.t1	ABE99697.1	TNF receptor associated factor 1
g20091.t1	NP_001118039.1	TNF superfamily member 14
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
cdna_vet_k79:5544	NP_001117782.1	toxin-1
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
qifan_comp133739_c0_seq1	NP_001239578.1	transcobalamin
qifan_comp124652_c0_seq2	XP_005173278.1	transcription cofactor vestigial-like protein 1
qifan_comp79042_c0_seq1	XP_005156464.1	transcription elongation regulator 1-like protein
g31455.t1	P15881	Transcription factor 4
g25291.t1	XP_003458132.1	transcription factor Adf-1
g56447.t1	XP_003200395.1	transcription factor E2F2
g35606.t1	A4QNR3	Transcription factor IIB 50 kDa subunit
g24621.t1	XP_004678511.1	transcription factor TFIIB component B
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g3667.t1	WP_020235084.1	transcriptional regulator
g22449.t1	XP_001341061.1	transcriptional regulator ATRX
blue_Contig22666.1_15635	XP_005170502.1	transcriptional repressor p66-alpha
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g8518.t1	XP_004086531.1	transforming growth factor-beta-induced protein ig-h3
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g15595.t1	NP_957368.1	translation initiation factor eIF-2B subunit gamma
g16091.t1	WP_014652760.1	translation initiation factor IF-2
g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g30130.t1	ACD93412.1	transmembrane agrin
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g3843.t1	XP_001340422.4	transmembrane protease serine 3
yu_Contig8404	XP_687791.1	transmembrane protein 107
skin_comp27957_c0_seq1	XP_005162650.1	transmembrane protein 108
g42139.t1	XP_003199940.1	transmembrane protein 109
g29349.t1	XP_004545377.1	transmembrane protein 110
180_ccaa	ABD83932.1	Transmembrane protein 116
g25062.t1	XP_687955.1	transmembrane protein 119
g43487.t1	XP_001341924.1	transmembrane protein 132D
40_ccaa	ADO29172.1	transmembrane protein 141
yu_Contig13361	NP_001003999.1	transmembrane protein 144
g55844.t1	ACI69526.1	Transmembrane protein 150
alltrinity_comp196143_c0_seq3	XP_005170961.1	transmembrane protein 154
skin_comp68976_c3_seq1	NP_001187956.1	transmembrane protein 167a
g33373.t1	XP_699489.3	transmembrane protein 173
qifan_comp99401_c0_seq1	NP_001129456.1	transmembrane protein 186
blue_Contig39326.1_7677	XP_001341471.1	transmembrane protein 187
g25813.t1	XP_003201087.1	transmembrane protein 221
qifan_comp141637_c0_seq2	NP_001230080.1	transmembrane protein 234
alltrinity_comp188158_c0_seq5	XP_706440.3	transmembrane protein 240
alltrinity_comp201002_c0_seq4	NP_001038261.1	transmembrane protein 244
qifan_comp98319_c0_seq3	XP_006022692.1	transmembrane protein 252
g5383.t1	XP_004549054.1	transmembrane protein 42
qifan_comp151994_c1_seq2	XP_005169458.1	transmembrane protein 44
alltrinity_comp135813_c0_seq3	NP_001124325.1	transmembrane protein 71
yu_k60:64634	XP_001342604.1	transmembrane protein 81
alltrinity_comp193892_c0_seq4	XP_688253.2	transmembrane protein C9orf91
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
blue_Contig4674.1_16475	XP_001432014.1	Transposable element Hobo transposase
g14377.t1	PF02994.9	Transposase_22
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g2171.t1	XP_003201494.1	transposon TX1 uncharacterized 82 kDa protein
g24169.t1	XP_001341898.4	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g41591.t1	NP_001120728.2	triple QxxK/R motif-containing protein
g12338.t1	XP_001337498.2	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial
g11351.t1	NP_001187361.1	tRNA (guanine-n(7))-methyltransferase b
g27905.t1	NP_001013309.2	tRNA 2'-phosphotransferase 1
g38932.t1	NP_001070119.1	tRNA-splicing endonuclease subunit Sen2
g12869.t1	XP_001337104.1	tropomyosin-2
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
g31545.t1	NP_001002208.1	tubulin polyglutamylase complex subunit 2
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18

g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g17010.t1	NP_001161936.1	tumor necrosis factor ligand superfamily member 13
g35541.t1	NP_001107062.1	tumor necrosis factor ligand superfamily member 13B
g30260.t1	XP_004554197.1	tumor necrosis factor receptor superfamily member 1A
g39229.t1	XP_001923114.3	tumor necrosis factor receptor superfamily member 5
g19907.t1	ACH85326.1	tumor protein p53 inducible nuclear protein 2
g52602.t1	XP_001338803.3	tumor protein p53-inducible protein 13
g11994.t1	NP_001170916.1	two pore channel 3
g37238.t1	NP_001158515.1	type I interferon 4
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g39134.t1	NP_001188274.1	type-1 angiotensin II receptor-associated protein
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g54513.t1	XP_004633270.1	tyrosine-protein phosphatase non-receptor type substrate 1
97_ccaa	AHH38493.1	U1 small nuclear ribonucleoprotein C
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g26657.t1	NP_001002673.1	U4/U6.U5 tri-snRNP-associated protein 1
g50396.t1	XP_003443216.1	ubuclein-2
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
alltrinity_comp209639_c2_seq2	ADO27919.1	ubiquinol-cytochrome c reductase complex chaperone cbp3
g40840.t1	NP_001122257.1	ubiquitin
g40272.t1	XP_002665714.2	ubiquitin carboxyl-terminal hydrolase 24
g52064.t1	P50103	Ubiquitin carboxyl-terminal hydrolase isozyme L1
g39829.t1	EMP38492.1	UBX domain-containing protein 1
g42956.t1	NP_001038911.1	UBX domain-containing protein 10
g4513.t1	PF00443.24	UCH
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
g12734.t1	XP_004563698.1	uncharacterized gene 87 protein
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp197486_c0_seq1	XP_005159447.1	uncharacterized LOC100006053
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
alltrinity_comp98724_c0_seq1	XP_001921235.2	uncharacterized LOC100148190
yu_k64:1538490	XP_002666317.2	uncharacterized LOC100331776
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
cdna_CK419724.1	XP_003199520.2	uncharacterized LOC100537499
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410131720_2/9_515	XP_003777772.1	uncharacterized LOC100939189
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
pac_pacbio_409543459_3/16_2024	XP_005163390.1	uncharacterized LOC101882377
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
qifan_comp183148_c0_seq1	XP_005167028.1	uncharacterized LOC101884059
alltrinity_comp195831_c1_seq2	XP_005165796.1	uncharacterized LOC101884075
blue_Contig63979_1_11969	XP_005167167.1	uncharacterized LOC101884495
pac_pacbio_409754118_2/13_1631	XP_005163381.1	uncharacterized LOC101884547
alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
blue_Contig53338_1_13554	XP_005171068.1	uncharacterized LOC101884727
pac_pacbio_411702949_2/18_2730	XP_005169548.1	uncharacterized LOC101885524
454_FWM5MQA02FJOB	XP_005160982.1	uncharacterized LOC101885928
ncbimma_375923203	XP_005169161.1	uncharacterized LOC101886252
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp13837_c0_seq1	XP_688024.4	uncharacterized LOC559576
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
g13390.t1	XP_699238.2	uncharacterized protein C10orf88
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g52437.t1	Q6ZUT1	Uncharacterized protein C11orf57
g51142.t1	XP_002934975.1	uncharacterized protein C11orf65
g37206.t1	NP_001187859.1	uncharacterized protein c11orf73
qifan_comp142062_c0_seq4	XP_706374.4	uncharacterized protein C11orf74
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g51999.t1	A8MZF0	Uncharacterized protein C11orf89
g57724.t1	XP_001333876.2	uncharacterized protein C11orf95
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
g35967.t1	XP_001715142.4	uncharacterized protein C12orf55
g26140.t1	XP_004542162.1	uncharacterized protein C14orf37
yu_Contig13439	XP_706561.2	uncharacterized protein C14orf80
g53806.t1	NP_001013486.1	uncharacterized protein C15orf43
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g43632.t1	XP_003198174.1	uncharacterized protein C17orf104

alltrinity_comp202118_c1_seq2	XP_003198822.1	uncharacterized protein C17orf67
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
g23033.t1	XP_001337233.2	uncharacterized protein C19orf44
alltrinity_comp201700_c1_seq1	XP_005162346.1	uncharacterized protein C1orf127
yu_Contig17514	XP_004552952.1	uncharacterized protein C1orf146
g39113.t1	XP_001341090.2	uncharacterized protein C1orf158
g34284.t1	XP_001493985.1	uncharacterized protein C1orf194
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
454_FWM5MQA02IX9EO	NP_001188116.1	uncharacterized protein c1orf43
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
g6954.t1	EOB05541.1	Uncharacterized protein C21orf62
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g11134.t1	XP_004559145.1	uncharacterized protein C2orf47 homolog, mitochondrial
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
yu_Contig13118	XP_005155908.1	uncharacterized protein C3orf14
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g32240.t1	Q6P2K3	Uncharacterized protein C3orf67
g50311.t1	XP_002665577.1	uncharacterized protein C5orf49
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
61_ccaa	ADO28427.1	uncharacterized protein c6orf125
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g10146.t1	XP_690269.4	uncharacterized protein C7orf57
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
qifan_comp120236_c0_seq1	XP_002666730.2	uncharacterized protein C8orf59
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g47641.t1	XP_003198708.1	uncharacterized protein C9orf174
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
g6979.t1	XP_001336283.4	uncharacterized protein C9orf93
g53.t1	XP_001334272.1	uncharacterized protein CXorf21
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g32708.t1	Q54G14	Uncharacterized protein DDB_G0290685
g52823.t1	XP_001344930.1	uncharacterized protein DKFzp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g17100.t1	NP_001138262.1	uncharacterized protein FLJ46082
cdna_clc_265376	XP_005158872.1	uncharacterized protein im:7136021
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
skin_comp68504_c1_seq2	XP_005157900.1	uncharacterized protein KIAA0408
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g45381.t1	XP_003449562.1	uncharacterized protein KIAA0564
g3770.t1	O94854	Uncharacterized protein KIAA0754
pac_pacbio_411145895_2/0_2227	XP_005466789.1	uncharacterized protein KIAA1586
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g6002.t1	NP_001082917.1	uncharacterized protein LOC100000104
g12542.t1	XP_001335880.3	uncharacterized protein LOC100000241
g19233.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008
g30237.t1	XP_001341616.1	uncharacterized protein LOC100001663
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
g23833.t1	NP_001091731.1	uncharacterized protein LOC100002730
g12149.t1	XP_001342555.1	uncharacterized protein LOC100002885
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
g18406.t1	XP_001343562.1	uncharacterized protein LOC100004199
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
g11323.t1	XP_001344050.1	uncharacterized protein LOC100004848
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
alltrinity_comp192940_c0_seq1	XP_001344440.5	uncharacterized protein LOC100005359
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g20226.t1	NP_001116796.1	uncharacterized protein LOC100005569
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
g41080.t1	XP_001339537.1	uncharacterized protein LOC100005938
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601
g50049.t1	XP_001345338.1	uncharacterized protein LOC100006655

qifan_comp136584_c0_seq4	XP_001345466.4	uncharacterized protein LOC100006831
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g1321.t1	XP_001345583.3	uncharacterized protein LOC100007012
qifan_comp248375_c0_seq1	XP_005159349.1	uncharacterized protein LOC100034462
qifan_comp232627_c0_seq1	XP_005159450.1	uncharacterized protein LOC100034474
qifan_comp141121_c0_seq3	NP_001107480.1	uncharacterized protein LOC100135331
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_seq1	NP_001108579.1	uncharacterized protein LOC100141491
g14019.t1	NP_001121845.1	uncharacterized protein LOC100148025
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g9189.t1	XP_001920033.3	uncharacterized protein LOC100150699
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
g37022.t1	NP_001139181.1	uncharacterized protein LOC100151507
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
g23702.t1	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
qifan_comp75296_c0_seq1	NP_001129045.1	uncharacterized protein LOC100190888
g50039.t1	NP_001129460.1	uncharacterized protein LOC100191015
blue_Contig18746_1_4689	NP_001129728.1	uncharacterized protein LOC100192222
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g46254.t1	XP_002170745.2	uncharacterized protein LOC100206555
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
skin_comp67029_c0_seq1	XP_002666669.1	uncharacterized protein LOC100331646
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g16224.t1	XP_002665022.1	uncharacterized protein LOC100333000
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
cdna_FD373143.1	XP_002663814.3	uncharacterized protein LOC100334068
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g1173.t1	XP_002660711.1	uncharacterized protein LOC100334929
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
cdna_aby_k47:90104	XP_002936147.2	uncharacterized protein LOC100486038
g13347.t1	XP_002937587.2	uncharacterized protein LOC100486046
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g24754.t1	XP_002941460.2	uncharacterized protein LOC100486543
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g855.t1	XP_002943045.1	uncharacterized protein LOC100496405
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
g34964.t1	XP_003200192.1	uncharacterized protein LOC100534794
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein LOC100535981
g51279.t1	XP_003201376.1	uncharacterized protein LOC100536977
g26581.t1	NP_001232919.1	uncharacterized protein LOC100536988
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969

alltrinity_comp210712_c0_seq4	XP_003201028.2	uncharacterized protein LOC100538251
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151014_c1_seq19	XP_005478722.1	uncharacterized protein LOC100699558
g47521.t1	XP_003447279.1	uncharacterized protein LOC100701644
g16371.t1	XP_00345299.1	uncharacterized protein LOC100704554
pac_pacbio_410509076_1/0_7116	XP_005460648.1	uncharacterized protein LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g31877.t1	XP_003731413.1	uncharacterized protein LOC100889854
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g4575.t1	XP_004078966.1	uncharacterized protein LOC101154980
blue_Contig30037.1_6485	XP_004079130.1	uncharacterized protein LOC101155882
g57723.t1	XP_004080138.1	uncharacterized protein LOC101155965
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04DT8S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g31754.t1	XP_004065840.1	uncharacterized protein LOC101157594
g23780.t1	XP_004082982.1	uncharacterized protein LOC101157745
g57447.t1	XP_004079385.1	uncharacterized protein LOC101158387
g57738.t1	XP_004080147.1	uncharacterized protein LOC101158890
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g3926.t1	XP_004076470.1	uncharacterized protein LOC101161431
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g22383.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
qifan_comp135533_c0_seq4	XP_004076002.1	uncharacterized protein LOC101164665
g33339.t1	XP_004071748.1	uncharacterized protein LOC101164807
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein LOC101166008
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
g25280.t1	XP_004072689.1	uncharacterized protein LOC101166636
g55617.t1	XP_004071892.1	uncharacterized protein LOC101166720
g38796.t1	XP_004080663.1	uncharacterized protein LOC101167745
g41003.t1	XP_004084534.1	uncharacterized protein LOC101167763
g1448.t1	XP_004082546.1	uncharacterized protein LOC101167913
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g21956.t1	XP_004077302.1	uncharacterized protein LOC101169137
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein LOC101169968
g24732.t1	XP_004073012.1	uncharacterized protein LOC101170193
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g35078.t1	XP_004070830.1	uncharacterized protein LOC101170430
g23236.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g18108.t1	XP_004077618.1	uncharacterized protein LOC101171356
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g57510.t1	XP_004079033.1	uncharacterized protein LOC101174375
g38152.t1	XP_004076114.1	uncharacterized protein LOC101174449
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
blue_Contig71116.1_3547	XP_004212194.1	uncharacterized protein LOC101240998
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g44815.t1	XP_004573063.1	uncharacterized protein LOC101463720

g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g40411.t1	XP_004573598.1	uncharacterized protein LOC101464692
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
pac_pacbio_410677548_1/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g22413.t1	XP_004572072.1	uncharacterized protein LOC101466125
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
alltrinity_comp195567_c0_seq17	XP_004549109.1	uncharacterized protein LOC101468782
g22535.t1	XP_004576354.1	uncharacterized protein LOC101468882
pac_pacbio_410303056_1/12_1413	XP_004567438.1	uncharacterized protein LOC101468928
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g50938.t1	XP_004551941.1	uncharacterized protein LOC101470812
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g48991.t1	XP_004554542.1	uncharacterized protein LOC101471575
g15567.t1	XP_004545568.1	uncharacterized protein LOC101471829
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
g18068.t1	XP_004568649.1	uncharacterized protein LOC101474086
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g43354.t1	XP_004572114.1	uncharacterized protein LOC101476797
g23641.t1	XP_004546534.1	uncharacterized protein LOC101477917
g16676.t1	XP_004542626.1	uncharacterized protein LOC101478545
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g44413.t1	XP_004551582.1	uncharacterized protein LOC101478960
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g2050.t1	XP_004549715.1	uncharacterized protein LOC101480956
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g46364.t1	XP_004552553.1	uncharacterized protein LOC101483291
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
g22698.t1	XP_004573312.1	uncharacterized protein LOC101484324
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
XY_XY_ctg228176	XP_004559649.1	uncharacterized protein LOC101486530
g45137.t1	XP_004571616.1	uncharacterized protein LOC101486766
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g126.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g24760.t1	XP_004911591.1	uncharacterized protein LOC101732058
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
pac_pacbio_411634889_4/7_2100	XP_004916525.1	uncharacterized protein LOC101733395
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein LOC101733949
g10647.t1	XP_004917417.1	uncharacterized protein LOC101734075
g14057.t1	XP_004914926.1	uncharacterized protein LOC101734213

g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
YY_jcf4763722	XP_005163580.1	uncharacterized protein LOC101882486
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein LOC101883059
blue_Contig52633.1_23715	XP_005172413.1	uncharacterized protein LOC101883143
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
ncbimrna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein LOC101884337
blue_Contig4315.1_47137	XP_005174667.1	uncharacterized protein LOC101884618
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
pac_pacbio_411880460_1/68_3063	XP_005167244.1	uncharacterized protein LOC101886427
alltrinity_comp205992_c2_seq2	XP_005173016.1	uncharacterized protein LOC101886442
blue_Contig72773.1_13489	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig2748.1_27327	XP_005294352.1	uncharacterized protein LOC101948872
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
pac_pacbio_409506783_2/6_2417	XP_005461383.1	uncharacterized protein LOC102076050
qifan_comp85056_c0_seq1	XP_005450678.1	uncharacterized protein LOC102076367
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
pac_pacbio_409416641_1/119_2180	XP_005450860.1	uncharacterized protein LOC102077391
blue_Contig85318.1_14523	XP_005466659.1	uncharacterized protein LOC102078152
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
qifan_comp244124_c0_seq1	XP_005464739.1	uncharacterized protein LOC102079542
pac_pacbio_409643086_1/10_5139	XP_005466369.1	uncharacterized protein LOC102080911
pac_pacbio_412372638_2/0_2381	XP_005457242.1	uncharacterized protein LOC102081353
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
pac_pacbio_410073501_2/10_3640	XP_005466079.1	uncharacterized protein LOC102082168
alltrinity_comp207891_c0_seq5	XP_005451783.1	uncharacterized protein LOC102082977
blue_Contig43739.1_7430	XP_005466641.1	uncharacterized protein LOC102083163
qifan_comp200420_c0_seq1	XP_005741295.1	uncharacterized protein LOC102194460
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
alltrinity_comp121194_c0_seq3	XP_005722490.1	uncharacterized protein LOC102209022
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein LOC102213288
blue_Contig85669.1_12188	XP_005813273.1	uncharacterized protein LOC102220987
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
XY_XY_ctg314289	XP_006011909.1	uncharacterized protein LOC102366391
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4_seq4	XP_006637780.1	uncharacterized protein LOC102694700
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein LOC102698607
pac_pacbio_411813263_2/13_1292	XP_006810778.1	uncharacterized protein LOC102775714
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_409681842_2/0_1762	XP_006817019.1	uncharacterized protein LOC102808054
pac_pacbio_410785629_6/1_569	XP_006984659.1	uncharacterized protein LOC102926326
pac_pacbio_410926873_3/3_3465	XP_007071937.1	uncharacterized protein LOC102935427
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42140.t1	NP_954967.1	uncharacterized protein LOC321250
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g52879.t1	NP_919241.1	uncharacterized protein LOC368382
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g37316.t1	NP_956824.1	uncharacterized protein LOC393502
g33363.t1	NP_001002626.1	uncharacterized protein LOC436899
g25407.t1	NP_001124069.1	uncharacterized protein LOC492631
g24292.t1	NP_001073633.1	uncharacterized protein LOC492735
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
g761.t1	NP_001013318.1	uncharacterized protein LOC503706
g23854.t1	NP_001014343.1	uncharacterized protein LOC541508
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
g33471.t1	NP_001018552.1	uncharacterized protein LOC553748
alltrinity_comp196058_c0_seq3	NP_001018555.1	uncharacterized protein LOC553748
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein LOC555281

g39957.t1	NP_001037797.1	uncharacterized protein LOC555399
alltrinity_comp209129_c0_seq1	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g43484.t1	NP_001139031.1	uncharacterized protein LOC555790
blue_Contig32785.1_13303	NP_001025268.1	uncharacterized protein LOC555989
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
alltrinity_comp208335_c1_seq1	NP_001121707.1	uncharacterized protein LOC556245
g32241.t1	NP_001103493.1	uncharacterized protein LOC556322
g41211.t1	NP_001038267.2	uncharacterized protein LOC556372
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
skin_comp60102_c0_seq1	NP_001153881.1	uncharacterized protein LOC556473
g30515.t1	XP_685238.1	uncharacterized protein LOC557141
g21903.t1	XP_685328.3	uncharacterized protein LOC557223
yu_Contig13501	NP_001038175.1	uncharacterized protein LOC557283
alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g19749.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
g45140.t1	XP_686699.4	uncharacterized protein LOC558404
g29209.t1	NP_001121713.1	uncharacterized protein LOC558435
g29554.t1	XP_687069.2	uncharacterized protein LOC558721
g20482.t1	NP_001103851.1	uncharacterized protein LOC558938
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g17875.t1	NP_001138831.1	uncharacterized protein LOC559409
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_seq1	NP_001122173.1	uncharacterized protein LOC560193
g39214.t1	XP_689123.2	uncharacterized protein LOC560634
qifan_comp165704_c0_seq1	NP_001091719.1	uncharacterized protein LOC561001
g49660.t1	NP_001122178.1	uncharacterized protein LOC561073
qifan_comp153125_c1_seq8	NP_001104306.1	uncharacterized protein LOC561308
g49915.t1	NP_001020690.2	uncharacterized protein LOC562128
cdna_clc_368911	NP_001038448.1	uncharacterized protein LOC562301
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
alltrinity_comp39900_c0_seq2	NP_001108320.1	uncharacterized protein LOC563576
g28780.t1	XP_692038.1	uncharacterized protein LOC563583
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g44359.t1	NP_001185682.1	uncharacterized protein LOC564862
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g16214.t1	NP_001070637.1	uncharacterized protein LOC565601
g57641.t1	NP_001122200.1	uncharacterized protein LOC565664
g43191.t1	XP_694702.1	uncharacterized protein LOC566338
g38234.t1	NP_001232917.1	uncharacterized protein LOC566907
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g25353.t1	NP_001093504.1	uncharacterized protein LOC567837
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
g18368.t1	NP_001116762.1	uncharacterized protein LOC568385
g6989.t1	NP_001124262.1	uncharacterized protein LOC568410
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g42132.t1	NP_001185793.1	uncharacterized protein LOC568697
g27434.t1	NP_001073507.1	uncharacterized protein LOC568780
g12308.t1	NP_001122220.1	uncharacterized protein LOC569123
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g29942.t1	XP_698250.3	uncharacterized protein LOC569751
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g48839.t1	NP_001013590.1	uncharacterized protein LOC570187
g1737.t1	NP_001077321.1	uncharacterized protein LOC570464
g34312.t1	NP_001116786.1	uncharacterized protein LOC570575
cdna_FD321616.1	NP_001091724.1	uncharacterized protein LOC570890
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
g42991.t1	NP_001108529.1	uncharacterized protein LOC571548
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g21446.t1	NP_001073526.1	uncharacterized protein LOC571919
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g37219.t1	XP_003723975.1	uncharacterized protein LOC583273
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216

qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g49359.t1	NP_001032667.1	uncharacterized protein LOC641580
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
g180.t1	NP_001038862.1	uncharacterized protein LOC751683
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g8283.t1	XP_001233307.2	uncharacterized protein LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
skin_comp70082_c0_seq1	NP_001122246.1	uncharacterized protein LOC792608
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
g1285.t1	XP_003198870.1	uncharacterized protein LOC793418
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g30952.t1	XP_003200542.1	uncharacterized protein LOC794433
g54386.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019
g39556.t1	NP_001093525.1	uncharacterized protein LOC796385
g8416.t1	XP_001335286.1	uncharacterized protein LOC797003
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g12860.t1	XP_001334950.1	uncharacterized protein LOC798209
g44342.t1	NP_001122274.1	uncharacterized protein LOC798626
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g8660.t1	NP_001124266.1	uncharacterized protein LOC799070
g55533.t1	XP_001339640.2	uncharacterized protein LOC799264
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
g46114.t1	XP_004566527.1	uncharacterized protein MJ0240
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-106i3.7
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-121i2.1
qifan_comp136584_c0_seq1	XP_001923739.2	uncharacterized protein si:dkey-182g1.6
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
cdna_FD023915.1	XP_001337059.3	uncharacterized protein si:dkey-87o1.2
yu_Contig16052	XP_002661155.1	uncharacterized protein si:dkey-93n13.2
alltrinity_comp197657_c0_seq1	XP_697773.3	uncharacterized protein si:dkey-98j1.5
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
skin_comp25099_c0_seq1	XP_005171537.1	uncharacterized protein si:dkeyp-68b7.10
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
alltrinity_comp182925_c0_seq1	CBN80909.1	Uncharacterized protein_1_n
blue_Contig37320.1_22973	CBN80909.1	Uncharacterized protein_2_n
g43673.t1	XP_004576558.1	uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
g29898.t1	NP_114199.1	unknown
qifan_comp181544_c0_seq1	AAI33100.1	Unknown (protein for IMAGE:6523990)
g21769.t1	AAI57389.1	Unknown (protein for IMAGE:7070805)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g10046.t1	CAG10182.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
pac_pacbio_411251993_1/12_1808	CAG02552.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
alltrinity_comp184019_c0_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
pac_pacbio_411392801_1/0_2175	CAG06189.1	unnamed protein product
g29068.t1	QSD951	UPF0193 protein EVG1
g27966.t1	NP_001158638.1	UPF0235 protein C15orf40
g57031.t1	XP_004075121.1	UPF0258 protein KIAA1024
g55422.t1	NP_001187606.1	upf0428 protein cxorf56
g8227.t1	XP_004547440.1	UPF0444 transmembrane protein C12orf23
g31667.t1	NP_001188155.1	upf0449 protein c19orf25
g11140.t1	NP_001188061.1	upf0490 protein c1orf201

g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
yu_Contig6056	ADO28254.1	upf0545 protein c2orf39
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
g37040.t1	NP_001083047.1	UPF0575 protein C19orf67
g30930.t1	XP_004067470.1	UPF0583 protein C15orf59
g27604.t1	ADO27753.1	upf0602 protein c4orf47
56_ccaa	ADO28726.1	upf0608 protein c19orf42
g12411.t1	NP_001257406.1	UPF0632 protein A
g56469.t1	ELK32536.1	UPF0639 protein
yu_Contig14849	XP_001920115.2	UPF0661 TPR repeat-containing protein C16D10.01c
g28206.t1	XP_004069875.1	UPF0691 protein C9orf116
qifan_comp44076_c0_seq1	NP_001035077.1	UPF0693 protein C10orf32
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein C1orf227
cdna_vet_k79:94857	NP_001038883.1	UPF0740 protein C1orf192
qifan_comp125258_c0_seq1	NP_001186962.1	up-regulated during skeletal muscle growth protein 5
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g31757.t1	XP_004074941.1	uracil nucleotide/cysteinyl leukotriene receptor
g15619.t1	NP_957268.1	uracil-DNA glycosylase a
g13373.t1	XP_004937023.1	uro-adherence factor A
g32414.t1	XP_003442715.1	urocortin-3
qifan_comp136235_c0_seq1	NP_001093533.1	uroplakin 3b
g56082.t1	NP_001035332.1	uroplakin-1a
g31651.t1	XP_001921192.2	Usher syndrome type-1C protein-binding protein 1
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g3576.t1	XP_004561682.1	UV radiation resistance-associated gene protein
g51957.t1	O13034	V(D)J recombination-activating protein 2
g22537.t1	XP_003943078.1	vacuolar protein sorting-associated protein 13B
g13851.t1	BAM66237.1	vascular associated protein
g6587.t1	XP_002661307.2	vascular cell adhesion protein 1
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g34508.t1	NP_956618.1	vesicle transport protein USE1
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g21761.t1	NP_001233274.1	VIG-B319.A protein
g31661.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g21239.t1	XP_694715.4	voltage-dependent T-type calcium channel subunit alpha-1I
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g16511.t1	ACU68458.1	vomer nasal 1 receptor
g10819.t1	XP_002942463.2	vomer nasal type-2 receptor 26
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g42165.t1	PF05678.9	VQ
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g53305.t1	XP_003220290.1	WD repeat-containing protein 65
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g13481.t1	XP_695006.1	WD repeat-containing protein 67
cdna_aby_k59:928957	ADO28544.1	WD repeat-containing protein 73
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
alltrinity_comp165287_c1_seq1	XP_003199030.2	WD repeat-containing protein KIAA1875
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
cdna_clc_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
blue_Contig58089.1_7468	AAI52526.1	Zcchc7l protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g26825.t1	AAI55809.1	Zgc:110694 protein
g28651.t1	AAH91871.1	Zgc:112945
qifan_comp175963_c0_seq1	XP_005162501.1	zgc:112994
g10677.t1	AAH90183.1	Zgc:158151 protein
g9309.t1	AAI33136.1	Zgc:158613 protein
g22092.t1	AAI24676.1	Zgc:161969 protein
g53472.t1	AAI24187.1	Zgc:161973 protein
g28474.t1	AAI22245.1	Zgc:162025 protein
g7219.t1	AAH90678.1	Zgc:162509 protein
g38680.t1	AAI34162.1	Zgc:162945 protein

g30312.t1	AAI15112.1	Zgc:165430 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
g27907.t1	AAH81655.1	Zgc:92353
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
g51961.t1	Q8IWY8	Zinc finger and SCAN domain-containing protein 29
yu_Contig14874	XP_003200465.2	zinc finger B-box domain-containing protein 1
g10490.t1	XP_002943251.2	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
g33042.t1	XP_003460684.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
g38044.t1	XP_004564673.1	zinc finger CCHC domain-containing protein 14
g33739.t1	XP_693211.3	zinc finger CCHC domain-containing protein 2
alltrinity_comp218527_c0_seq1	XP_004030872.1	zinc finger cdgsh-type domain protein
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
g33738.t1	XP_003391482.1	zinc finger MYM-type protein 1
g34116.t1	ADO27939.1	zinc finger mynd domain-containing protein 12
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
g43453.t1	XP_001340263.3	zinc finger protein 192
g45636.t1	NP_998362.1	zinc finger protein 207
g53020.t1	XP_004569526.1	zinc finger protein 235
g56.t1	XP_698650.1	zinc finger protein 251
g11962.t1	ELK38750.1	Zinc finger protein 300
g26503.t1	XP_001342735.1	zinc finger protein 350
g24285.t1	NP_001073499.1	zinc finger protein 423
blue_Contig43726.1_14553	XP_005168114.1	zinc finger protein 45
g51980.t1	Q96JG9	Zinc finger protein 469
g16647.t1	EGV98616.1	Zinc finger protein 521
g54018.t1	XP_693857.3	zinc finger protein 536
g40252.t1	XP_003455943.1	zinc finger protein 729
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g11810.t1	XP_002663149.2	zinc finger protein GLIS1
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g18680.t1	ACI33536.1	Zinc transporter ZIP1
g54687.t1	AGE89832.1	zfn219
g54267.t1	NP_001098574.1	zona pellucida glycoprotein 2, like 1
g37018.t1	XP_002667644.2	zona pellucida sperm-binding protein 4
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwilling B
qifan_comp38323_c0_seq2	XP_004073800.1	zymogen granule membrane protein 16

Supplemental table 26. Catfish specific genes compared to coelacanth

id	access number	Description
g29800.t1	NP_001134545.1	15.5 kDa protein
g26104.t1	XP_003440845.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1
g16316.t1	NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
g13915.t1	NP_919388.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1
g14400.t1	XP_004077078.1	28S ribosomal protein S5, mitochondrial
g56211.t1	NP_001038861.1	28S ribosomal protein S9, mitochondrial
g10179.t1	NP_001139039.1	3'-5' exoribonuclease CSL4
qifan_comp246044_c0_seq1	XP_001343422.1	3-dehydroquinate synthase, chloroplastic
g22464.t1	ACN09954.1	40S ribosomal protein S28
g4131.t1	NP_958444.1	5-aminolevulinatase synthase, nonspecific, mitochondrial
g29578.t1	Q2TBU5	5'-nucleotidase domain-containing protein 1
g31906.t1	NP_001187045.1	60S ribosomal protein L18
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g42037.t1	XP_003455258.1	A disintegrin and metalloproteinase with thrombospondin motifs 2
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g23163.t1	NP_001116521.1	aarF domain containing kinase 1
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein slal
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g11256.t1	NP_001129716.1	actinodin4
g1098.t1	NP_956736.1	activating signal cointegrator 1 complex subunit 2
g32057.t1	XP_003965798.1	activating signal cointegrator 1 complex subunit 3
qifan_comp215298_c0_seq1	NP_001071071.1	activating transcription factor 7-interacting protein 1
g39442.t1	XP_003976518.1	active breakpoint cluster region-related protein
g103.t1	XP_004568773.1	acyl-CoA:lysophosphatidylglycerol acyltransferase 1
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g31932.t1	NP_001074103.1	acyl-coenzyme A thioesterase THEM4
g20987.t1	Q7ZW00.2	Acylglycerol kinase, mitochondrial
g39835.t1	XP_003452092.1	adenosine deaminase CECR1-A
g41233.t1	XP_692173.5	adenylate cyclase type 2
g1261.t1	NP_001137224.1	adenylate cyclase type 8
g33791.t1	NP_001018480.1	adenylate kinase 8
g34013.t1	XP_004570992.1	adherens junction-associated protein 1
g16423.t1	Q25460	Adhesive plaque matrix protein
yu_Contig3891	XP_006795028.1	ADP-ribosyl cyclase 1
skin_comp63278_c0_seq1	NP_001187900.1	ADP-sugar pyrophosphatase
g16043.t1	BAG24411.1	adrenomedullin 5
alltrinity_comp272650_c0_seq1	AAL54898.1	AF159543_1 transport protein Sec61 beta subunit
g12929.t1	P07898	Aggrecan core protein
alltrinity_comp189825_c0_seq2	CAD88211.1	agouti-related protein
g49471.t1	XP_003198954.1	a-kinase anchor protein 13
g27142.t1	XP_004672670.1	A-kinase anchor protein 14
g44046.t1	XP_001919948.2	a-kinase anchor protein 6
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g45977.t1	NP_998048.1	alkylglycerol monoxygenase
g22835.t1	AAB61137.1	Allele: hi4
g43205.t1	XP_004539321.1	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B
g43506.t1	NP_958463.1	alpha-2-macroglobulin receptor-associated protein
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g28712.t1	NP_001032662.1	alpha-actinin-2
g11773.t1	XP_002661434.1	alpha-N-acetylneuraminide alpha-2,8-sialyltransferase
g871.t1	BAF93906.1	amylopullulanase
yu_Contig5761	XP_005173492.1	anaphase-promoting complex subunit 15
g55434.t1	AAM09278.1	androgen receptor
pac_pacbio_412024253_1/21_1694	XP_690746.3	androgen-induced 1
g45776.t1	XP_004541796.1	androglobin
pac_pacbio_411446684_2/55_2788	XP_005726648.1	angiogenin
alltrinity_comp207889_c0_seq4	NP_001187912.1	angiogenin-3
g6764.t1	NP_001186697.1	ankyrin repeat and KH domain-containing protein 1
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g733.t1	XP_004070966.1	ankyrin repeat and SAM domain-containing protein 1A
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g5214.t1	AFU81782.1	ankyrin repeat domain 10
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g2709.t1	NP_001098319.1	anosmin-1.1
g49323.t1	WP_006932722.1	antitoxin

g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
g52444.t1	PF01442.13	Apolipoprotein
yu_Contig25459	ACI15894.1	apolipoprotein C-I
qifan_comp131209_c0_seq1	XP_691110.1	apolipoprotein C-II
g29016.t1	NP_001025309.1	apolipoprotein L, 1
g1338.t1	XP_001339242.2	apolipoprotein L4
g12007.t1	BAA00422.1	apopolysialoglycoprotein
g6029.t1	NP_001187866.1	apoptosis regulator bax
qifan_comp141023_c0_seq2	XP_005172381.1	apoptotic chromatin condensation inducer 1b
g10452.t1	EMP31774.1	Aprataxin and PNK factor
g33952.t1	XP_003228417.1	arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1
g29822.t1	ACO09172.1	Argininosuccinate lyase
g26351.t1	AAH96813.1	Arl15b protein
g12241.t1	NP_001072494.1	armadillo repeat containing 4
g5496.t1	CBN81746.1	Armadillo repeat-containing protein 4
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g44064.t1	NP_001096091.1	asparaginase
g29600.t1	XP_003975592.1	astrotactin-1
g35207.t1	XP_004662740.1	astrotactin-2
alltrinity_comp348165_c0_seq1	XP_003229036.1	ATP synthase subunit epsilon, mitochondrial
g5507.t1	XP_003455220.1	ATP synthase subunit O, mitochondrial
qifan_comp127469_c0_seq1	NP_001166108.1	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit E
g9424.t1	XP_003453269.1	ATPase inhibitor B, mitochondrial
g55643.t1	XP_002661161.1	ATPase SWSAP1
g30268.t1	NP_001188332.1	ATPase, H ⁺ transporting, lysosomal accessory protein 1
g52749.t1	NP_571745.1	ATPase, Na ⁺ /K ⁺ transporting, beta 3b polypeptide
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g6670.t1	XP_003457877.1	ATP-binding cassette sub-family F member 3
g17584.t1	CBN81470.1	ATP-citrate synthase
g32051.t1	XP_003201374.1	ATP-dependent zinc metalloprotease YME1L1
g19593.t1	XP_696565.5	AT-rich interactive domain-containing protein 1A
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g10914.t1	XP_003199806.1	AT-rich interactive domain-containing protein 4B
g36066.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
cdna_c1c_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g39150.t1	XP_004069077.1	band 4.1-like protein 1
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g11520.t1	NP_956383.1	band 4.1-like protein 5
g25932.t1	XP_003200724.1	barttin
g10579.t1	XP_001919171.2	b-cell receptor CD22
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g45968.t1	EHB16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g37348.t1	XP_695597.1	bestrophin-2
g48803.t1	NP_001002046.1	BET1
qifan_comp181481_c0_seq1	AGZ03658.1	beta-defensin 3
alltrinity_comp204523_c0_seq2	AC013654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	ABI18126.1	Bid
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g57427.t1	NP_001188009.1	biliverdin reductase a
qifan_comp151466_c0_seq7	XP_005722886.1	biorientation of chromosomes in cell division protein 1-like 1
g29331.t1	XP_003446525.1	bis(5'-adenosyl)-triphosphatase
g20413.t1	NP_001002323.1	bis(5'-nucleosyl)-tetraphosphatase
g13751.t1	NP_001107915.1	bloodthirsty-related gene family, member 18
g19898.t1	XP_003447758.1	bombesin receptor-activated protein C6orf89
g3441.t1	XP_004072531.1	bone morphogenetic protein 1
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g53754.t1	NP_001189355.1	borealin-2
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	Q1RM09	Brain acid soluble protein 1

alltrinity_comp193548_c1_seq3	XP_003200739.1	brain and acute leukemia cytoplasmic protein
alltrinity_comp188576_c0_seq1	AC013762.1	Brain natriuretic peptide
g58064.t1	PF13882.1	Bravo_FIGEY
g56521.t1	NP_001017777.1	BRCAl-A complex subunit BRE
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g55575.t1	XP_684799.2	butyrophilin subfamily 3 member A1
g1290.t1	NP_001133792.1	Bystin
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g378.t1	ACN10467.1	Cl2orf56
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g18374.t1	ACO09143.1	C8orf4
g47647.t1	XP_001383996.2	Ca ²⁺ -modulated nonselective cation channel polycystin
g57708.t1	XP_001919229.3	CAAX prenyl protease 2
g33993.t1	XP_001922712.3	cadherin EGF LAG seven-pass G-type receptor 3
g31105.t1	XP_687082.5	cadherin-13
g25960.t1	NP_571156.2	cadherin-2
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g52777.t1	XP_005015005.1	caiB/baIF CoA-transferase family protein C7orf10
g29821.t1	ACO08969.1	Calcitonin gene-related peptide-receptor component protein
g54882.t1	NP_001013521.1	calcium channel, voltage-dependent, alpha 2/delta subunit 2
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g56338.t1	XP_003223196.1	calcium-activated potassium channel subunit alpha-1
g12130.t1	XP_003976992.1	calcium-activated potassium channel subunit beta-4
g28520.t1	XP_004572880.1	calcium-binding mitochondrial carrier protein SCaMC-2-B
g8807.t1	XP_003451276.1	calcium-transporting ATPase type 2C member 1
g20262.t1	NP_001167031.1	calpain small subunit 1
g42766.t1	NP_957396.1	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
g43097.t1	XP_004071058.1	cAMP-dependent protein kinase inhibitor gamma
g46964.t1	XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g39416.t1	XP_002941353.1	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein
g51377.t1	NP_001187652.1	carboxymethylenebutenolidase
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g46206.t1	XP_003910418.1	caseinolytic peptidase B protein
g48974.t1	XP_682906.3	caskin-1
g37606.t1	NP_001180580.1	catenin delta-2
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin 0
g37481.t1	XP_004549685.1	CBP80/20-dependent translation initiation factor
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g57385.t1	NP_001187124.1	CC chemokine SCYA112
alltrinity_comp188056_c1_seq1	AZ99069.1	CC chemokine SCYA114B
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
qifan_comp200851_c0_seq1	XP_005806461.1	c-C motif chemokine 21
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
g13242.t1	BAB39135.1	CD11-2
qifan_comp110584_c0_seq2	BAL63125.1	CD2 family receptor
g7760.t1	XP_004539421.1	CD209 antigen
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g27498.t1	XP_003459734.1	CD2-associated protein
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
g51480.t1	ABG37787.1	CD59
alltrinity_comp188761_c0_seq2	NP_001187166.1	CD79b
g20404.t1	NP_001187190.1	CD8 beta
g20764.t1	AD027768.1	cd9 antigen
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g23540.t1	WP_004224007.1	cell division protein

g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g19678.t1	XP_001343147.2	cell surface A33 antigen
alltrinity_comp209178_c0_seq3	XP_001920764.4	cell wall protein DAN4
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g2747.t1	A2AM05	Centlein
g20772.t1	NP_001107081.1	centromere protein H
g39933.t1	Q5BQN8	Centromere protein J
qifan_comp152646_c2_seq3	Q1LV50.1	Centromere protein P
g25618.t1	NP_001140135.1	Centromere protein Q
yu_Contig20690	XP_709181.2	centromere protein W
g48301.t1	XP_004917479.1	centrosomal protein of 170 kDa protein B
g41823.t1	P85001	Centrosomal protein of 290 kDa
g12558.t1	NP_001108048.1	centrosomal protein of 70 kDa
alltrinity_comp197052_c2_seq4	XP_005169029.1	centrosomal protein of 89 kDa
g5014.t1	XP_692550.3	centrosome-associated protein CEP250
g27222.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
g4861.t1	XP_004567792.1	cGMP-inhibited 3',5'-cyclic phosphodiesterase A
g2844.t1	ZHT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g45711.t1	Q5RGUI.1	Chaperone activity of bcl complex, mitochondrial
g22630.t1	NP_001107067.1	chemokine (C-C motif) ligand 20
g5292.t1	XP_002662920.1	chemokine factor
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g8415.t1	XP_704780.3	chondroitin sulfate proteoglycan 5
g44608.t1	XP_706416.1	chromosomal protein D1
alltrinity_comp199220_c1_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
blue_Contig28037.1_3510	XP_005163595.1	CMRF35-like molecule 1
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
g24168.t1	XP_004544675.1	coiled-coil domain-containing protein 117
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g39833.t1	NP_001020655.2	coiled-coil domain-containing protein 167
g40377.t1	NP_001014330.1	coiled-coil domain-containing protein 24
yu_Contig21181	NP_956682.1	coiled-coil domain-containing protein 25
g51804.t1	Q8N5R6	Coiled-coil domain-containing protein 33
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g23148.t1	NP_001038849.1	coiled-coil domain-containing protein 85C-A
g52593.t1	XP_004543850.1	coiled-coil domain-containing protein 92
g34272.t1	NP_001187666.1	colipase
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain
g48836.t1	XP_690914.3	collagen alpha-1(VIII) chain
g13840.t1	CBN81790.1	Collagen alpha-1(XI) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g28667.t1	XP_697241.3	collagen alpha-1(XVII) chain
g57795.t1	Q99MQ5	Collagen alpha-1(XXV) chain
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g10582.t1	P27393	Collagen alpha-2(IV) chain
g31505.t1	XP_692548.2	collagen alpha-2(XI) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g30347.t1	NP_001187672.1	comm domain-containing protein 7
g1187.t1	XP_690946.4	complement component C7
g32356.t1	XP_004076492.1	complement factor B
g13094.t1	XP_002771495.1	conserved hypothetical protein
g56330.t1	XP_001349472.1	conserved Plasmodium membrane protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g16221.t1	XP_001497248.2	copine-4
g53343.t1	XP_003386867.1	copine-8
g54648.t1	Q9NTM9	Copper homeostasis protein cutC
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticoliberin
g30778.t1	NP_001002614.1	COX assembly mitochondrial protein 2
qifan_comp139784_c0_seq2	NP_001004652.1	COX17, cytochrome c oxidase assembly protein
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g39559.t1	AAH98871.1	Crfb12 protein
g14948.t1	XP_003978668.1	CST complex subunit CTC1

g3522.t1	NP_956605.1	CTAGE family, member 5
g17632.t1	XP_003199401.1	C-type lectin domain family 4 member M
g6067.t1	XP_002667358.2	C-type lectin lectoxin-Phil
g49305.t1	NP_001187632.1	c-type natriuretic peptide 4
g47192.t1	XP_004074074.1	CUB and sushi domain-containing protein 2
g40448.t1	XP_001921591.2	CUB and sushi domain-containing protein 3
g50715.t1	XP_004560147.1	CUB domain-containing protein 1
g21951.t1	XP_003457521.1	cullin-9
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g14877.t1	XP_004555080.1	cyclic AMP-dependent transcription factor ATF-6 alpha
g13279.t1	NP_998697.2	cyclic AMP-responsive element-binding protein 3
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g31010.t1	XP_696619.5	cyclic nucleotide-gated cation channel beta-1
g13280.t1	Q9BWU1	Cyclin-dependent kinase 19
g1727.t1	XP_003198642.1	cyclin-G-associated kinase
g33396.t1	ADO27795.1	cystatin-b
g37748.t1	XP_003962642.1	cysteine-rich motor neuron 1 protein
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
76_ccaa	AHH42778.1	Cytochrome c oxidase assembly factor 4, mitochondrial
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
g26613.t1	XP_685495.1	cytochrome c oxidase subunit 8A, mitochondrial
g57428.t1	XP_004078676.1	cytochrome oxidase assembly protein 1
g33649.t1	ADK22855.1	cytokine receptor family member b16
g1060.t1	ADO28094.1	cytosolic 5'-nucleotidase III-like protein
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
g8392.t1	XP_692458.2	cytospin-A
g10823.t1	AAI62471.1	Dacha protein
g36971.t1	AAL79825.1	DachshundC
yu_k56:2035505	NP_001187144.1	DAP10
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g15654.t1	AAH78332.1	Dci protein
g30928.t1	PF13358.1	DDE_3
g6579.t1	AAH96386.1	ddx10 protein
g44957.t1	ADO28237.1	death-associated protein-like 1-b
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g17492.t1	XP_003198303.1	deleted in malignant brain tumors 1 protein
g8137.t1	ACO09314.1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial
g38480.t1	NP_001187423.1	delta-sarcoglycan
g56096.t1	XP_004541766.1	dendritic cell-specific transmembrane protein
g22472.t1	XP_003978398.1	DENN domain-containing protein 1C
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g57559.t1	P34205.1	Deoxyribodipyrimidine photo-lyase
g10599.t1	XP_003456810.1	deoxyuridine 5'-triphosphate nucleotidohydrolase
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
g31484.t1	XP_003201445.1	diacylglycerol kinase zeta
g30964.t1	NP_001008598.1	diamine N-acetyltransferase 2
g53629.t1	ABI79462.1	diaphanous 2
g49686.t1	NP_001008608.1	dihydroorotate dehydrogenase, mitochondrial
g31946.t1	NP_998058.1	dihydropyrimidine dehydrogenase [NADP(+)]
g16429.t1	XP_004066698.1	dipeptidyl peptidase 4
g43883.t1	XP_003442885.1	diphthine--ammonia ligase
g15240.t1	XP_004637451.1	DIS3-like exonuclease 2
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g21565.t1	XP_003199970.1	disks large homolog 3
g17889.t1	NP_999893.1	disks large homolog 4
g58090.t1	NP_001139075.1	disks large homolog 5
g35505.t1	NP_001004597.1	disrupted in renal carcinoma 2
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g8015.t1	XP_003200811.1	DNA (cytosine-5)-methyltransferase 3A
g8062.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g35938.t1	XP_002937585.2	DNA helicase B
g1065.t1	NP_001119860.1	DNA ligase 1
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g38267.t1	Q15054	DNA polymerase delta subunit 3
g41150.t1	NP_001093496.1	DNA polymerase nu
g50305.t1	XP_686065.4	DNA polymerase sigma
g26279.t1	XP_002663552.1	DNA repair protein SWI5
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit

g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g27735.t1	NP_997842.1	dnaJ homolog subfamily C member 4
g17108.t1	NP_001007062.1	dolichyldiphosphatase 1
378_ccaa	AD028725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g52136.t1	057460	Dorsal-ventral patterning tolloid-like protein 1
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
skin_comp53432_c0_seq2	NP_001153296.1	DPH3
alltrinity_comp204129_c0_seq12	XP_006630963.1	DPY30 domain-containing protein 1
g24667.t1	NP_001133681.1	drl-associated corepressor
g52531.t1	AAH95826.1	Drel protein
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g37462.t1	XP_701125.5	dymeclin
g58229.t1	XP_001342673.2	dynactin subunit 1
g19950.t1	ELW48268.1	Dynein heavy chain
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g39402.t1	XP_003978902.1	dynein heavy chain 9, axonemal
g42831.t1	XP_002664120.2	dystonin
g56136.t1	AAI62536.1	Dzipl protein
g11061.t1	NP_001187443.1	e3 sumo-protein ligase nse2
g24915.t1	ELW61602.1	E3 ubiquitin/ISG15 ligase TRIM25
g21044.t1	Q6PFJ9	E3 ubiquitin-protein ligase arih1
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g28193.t1	NP_001029358.1	E3 ubiquitin-protein ligase NEDD4
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g33285.t1	XP_003199987.1	e3 ubiquitin-protein ligase RNF130
g47469.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g40364.t1	XP_003208838.1	e3 ubiquitin-protein ligase RNF220
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g32377.t1	XP_002662297.1	E3 ubiquitin-protein ligase TRIM21
g18631.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g4169.t1	XP_004085572.1	echinoderm microtubule-associated protein-like 6
g33512.t1	XP_695138.4	ectodysplasin-A receptor-associated adapter protein
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26247.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
yu_Contig27955	XP_006633449.1	EF-hand calcium-binding domain-containing protein 10
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g25320.t1	XP_004555692.1	electrogenic sodium bicarbonate cotransporter 1
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g40522.t1	XP_003450579.1	electron transfer flavoprotein subunit beta
g11258.t1	CBNS1153.1	Ellis-van Creveld syndrome protein
g47146.t1	XP_003444085.1	elongator complex protein 2
g18294.t1	AAR12991.1	embryogenesis regulator
g9587.t1	XP_001341991.2	endothelin-converting enzyme 2
g641.t1	NP_001098368.1	enteropeptidase-1
g10697.t1	ABB52640.1	envelope polyprotein
g4843.t1	YP_443923.1	envelope protein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g38391.t1	NP_990515.1	ephrin-A5
g26776.t1	EGV96086.1	Epithelial cell transforming sequence 2 oncogene
g54347.t1	AC050712.1	EPS15
g4542.t1	XP_001334908.4	epsin-3
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g12761.t1	XP_004556138.1	equilibrative nucleoside transporter 3
g12959.t1	NP_001187003.1	estrogen receptor
g55159.t1	XP_689471.3	ethanolamine kinase 1
g28603.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g12494.t1	Q04637	Eukaryotic translation initiation factor 4 gamma 1
g25715.t1	XP_694490.4	eukaryotic translation initiation factor 4 gamma 3
g47020.t1	AAI29289.1	Evi5 protein
g17061.t1	XP_004083088.1	exocyst complex component 4
g17725.t1	XP_004913233.1	extensin

g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g3913.t1	ACN60260.1	FAM139A
g34354.t1	NP_001035727.1	Fanconi anemia, complementation group C
g34357.t1	PF02106.10	Fanconi_C
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g37966.t1	NP_571596.1	F-box/WD repeat-containing protein 4
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g34745.t1	ELK05653.1	FHL/FH2 domain-containing protein 3
g38353.t1	NP_878290.1	fibroblast growth factor 10
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g58004.t1	YP_123587.1	FimV protein
g13196.t1	NP_001038735.2	finTRIM family, member 14
g11778.t1	CAP08943.1	fish virus induced TRIM protein
g34583.t1	XP_004575691.1	flavin reductase (NADPH)
g40209.t1	XP_004575319.1	flocculation protein FLO11
g57743.t1	XP_003198980.1	focadhesin
g33364.t1	ELW62064.1	Foot protein 1
g18881.t1	BAJ19137.1	forkhead box L2
g54810.t1	ACJ36222.1	forkhead box P1b
g48376.t1	NP_001123401.2	formin 1
g16593.t1	XP_694795.5	formin 2
qifan_comp133841_c0_seq1	XP_001332860.3	FOS-like antigen 1b
g28661.t1	NP_001004530.1	fucose mutarotase
qifan_comp146158_c0_seq1	NP_001188353.1	FXD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
blue_Contig67003.1_3908	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g48426.t1	AAI00037.1	G2e3 protein
g34959.t1	NP_001182171.1	g6f
g13782.t1	XP_002133577.1	GA22973
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	092815	Gag-Pol polyprotein
g30440.t1	CBN80957.1	Gag-protease
g56881.t1	NP_001074081.1	galactose-1-phosphate uridylyltransferase
qifan_comp52895_c0_seq1	XP_005163007.1	galaxin
g43908.t1	EMC90264.1	Gamma-2-syntrophin
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g17417.t1	NP_956709.1	gamma-glutamyltranspeptidase 1
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide
g6093.t1	P29007	Gastrin-releasing peptide
g52458.t1	PF07699.8	GCC2_GCC3
g5039.t1	XP_004558137.1	GDP-fucose transporter 1
g766.t1	NP_001095945.1	GDP-mannose 4,6 dehydratase
g45365.t1	XP_003640649.2	general transcription factor IIF subunit 2
g13517.t1	NP_001134770.1	General transcription factor IIH subunit 5
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g19428.t1	NP_998277.2	geranylgeranyl transferase type-2 subunit beta
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GHI7681
g41770.t1	XP_001989724.1	GHI8950
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
g27611.t1	CBJ28225.1	glucose sorbose dehydrogenase
g34410.t1	XP_003974888.1	glutamate receptor delta-2 subunit
g23174.t1	XP_685683.4	glutamate receptor ionotropic, delta-1
g34397.t1	AAI62459.1	Glutamate receptor, ionotropic, delta 2
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g41352.t1	AD028199.1	glutathione S-transferase kappa 1
g54834.t1	NP_001070856.1	glycerate kinase
g31041.t1	XP_003200471.1	glycerophosphodiester phosphodiesterase domain-containing protein 5
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g21092.t1	NP_001017560.1	glycosyltransferase-like domain-containing protein 1
g53533.t1	NP_001018514.1	glyoxalase domain-containing protein 5
g27663.t1	AAK69693.1	glypican Knypek
g9082.t1	NP_001032450.1	glypican-1
g27664.t1	XP_688014.3	glypican-3
g52178.t1	Q8CAL5	Glypican-5
g30856.t1	XP_004086106.1	Golgi apparatus protein 1
g7080.t1	XP_001336602.4	golgin subfamily A member 4
g37533.t1	NP_001118051.1	gonadal-soma derived growth factor

g3034.t1	YP_302666.1	gp140
g15299.t1	BAF63409.1	G-protein beta subunit 5L
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
g47755.t1	XP_004544019.1	GRAM domain-containing protein 1B
yu_k62:1649929	NP_001094418.2	granulito
g5918.t1	XP_003965085.1	granulocyte colony-stimulating factor
g57341.t1	XP_004550641.1	GRB2-associated and regulator of MAPK protein
g41286.t1	XP_690519.3	growth factor receptor-bound protein 10
g38400.t1	NP_001187143.1	growth hormone receptor
qifan_comp112233_c0_seq1	XP_005157000.1	growth-regulated alpha protein
g24953.t1	ACI33817.1	GTPase IMAP family member 4
g14267.t1	XP_002661284.1	GTPase IMAP family member 7
g19003.t1	XP_003197816.1	GTPase IMAP family member 8
g16242.t1	XP_003220125.1	guanine nucleotide exchange factor VAV3
g45676.t1	XP_004071898.1	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13
g25722.t1	NP_001187735.1	guanylin
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g15030.t1	EAX01109.1	hCG1990170
g22011.t1	EAW51470.1	hCG2042692
g34662.t1	ABD77534.1	HDCME31P
g24641.t1	XP_003454162.1	hemicentin-1
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g4154.t1	XP_004071392.1	hemoglobin subunit alpha-1
g1651.t1	NP_001187115.1	hemoglobin-beta
g17651.t1	XP_004065874.1	heparan-alpha-glucosaminide N-acetyltransferase
g40525.t1	NP_001188323.1	hepcidin
g17357.t1	AAG24398.1	HER-7 protein
g30955.t1	XP_003441680.1	HHIP-like 1
g51113.t1	CBN81941.1	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A
skin_comp69465_c0_seq1	NP_001007312.1	high mobility group nucleosome-binding domain-containing protein 3
ncbimrna_375794568	NP_997845.1	high mobility group protein HMGI-C
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g18646.t1	XP_685659.4	histone deacetylase 5
g42912.t1	P06350	Histone H1
g23517.t1	XP_690894.2	histone H3.v1
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g33077.t1	XP_004072929.1	homeobox protein cut-like 2
g9823.t1	CBN81747.1	Homeobox protein Mohawk
g30993.t1	XP_004543651.1	homeobox protein SIX5
g4173.t1	XP_701123.5	homeodomain-interacting protein kinase 1
g17899.t1	PF00447.12	HSF_DNA-bind
g35510.t1	NP_001003777.1	HSPB1-associated protein 1
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g12073.t1	NP_001107887.2	hydrocephalus inducing
g12365.t1	XP_001920196.2	hydrolethalus syndrome protein 1
g3106.t1	AAH66742.1	Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10896.t1	WP_019505193.1	hypothetical protein
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AUREDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g14380.t1	XP_002605224.1	hypothetical protein BRAFLDRAFT_126603
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830

g29085.t1	XP_002595598.1	hypothetical protein	BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein	BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein	BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein	BRAFLDRAFT_67684
g54475.t1	XP_002605385.1	hypothetical protein	BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein	BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein	BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein	BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein	BRAFLDRAFT_88034
g3800.t1	XP_002588954.1	hypothetical protein	BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein	BRAFLDRAFT_93222
g44687.t1	XP_002600389.1	hypothetical protein	BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein	Btr_1952
g30789.t1	NP_349888.1	hypothetical protein	CA_C3294
g46148.t1	EGT35929.1	hypothetical protein	CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein	CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein	CAEBREN_31863
g34989.t1	EPH53845.1	hypothetical protein	CAOG_08411
g3762.t1	ELU14367.1	hypothetical protein	CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein	CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein	CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein	CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein	CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein	CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein	CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein	CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein	CAPTEDRAFT_199105
g21873.t1	ELU12253.1	hypothetical protein	CAPTEDRAFT_199795
g14397.t1	ELU03694.1	hypothetical protein	CAPTEDRAFT_206368
pac_pacbio_409519191_7/248_795	ELT94797.1	hypothetical protein	CAPTEDRAFT_208381
g6906.t1	ELT99637.1	hypothetical protein	CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein	CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein	CAPTEDRAFT_86581
g46621.t1	XP_002635918.1	Hypothetical protein	CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein	CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein	CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein	CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein	CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein	CBG24978
g50194.t1	YP_875591.1	hypothetical protein	CENSYa_0654
g52617.t1	GAA50545.1	hypothetical protein	CLF_104705
g18870.t1	GAA54259.1	hypothetical protein	CLF_113084
g21052.t1	XP_002614835.1	hypothetical protein	CLUG_04850
g54647.t1	XP_003102665.1	hypothetical protein	CRE_03315
g23905.t1	AG014414.1	hypothetical protein	CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein	D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein	D623_10002145
g58340.t1	EPX78008.1	hypothetical protein	DAPPUDRAFT_105663
g52505.t1	EPX62990.1	hypothetical protein	DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein	DICPUDRAFT_150384
g28067.t1	EPN70855.1	hypothetical protein	EAG_02155
g55005.t1	EPN61459.1	hypothetical protein	EAG_09655
g9297.t1	EPN82970.1	hypothetical protein	EAI_03258
g42435.t1	EPN77868.1	hypothetical protein	EAI_13890
g810.t1	EJW02257.1	hypothetical protein	EDEG_03308
g23927.t1	HHH66759.1	hypothetical protein	EGM_03809
g13939.t1	HHH58911.1	hypothetical protein	EGM_08878
g39952.t1	EPQ26632.1	hypothetical protein	GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein	GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein	GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein	GUIHDRAFT_82550
pac_pacbio_412375902_2/3_3533	EHB04114.1	hypothetical protein	GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein	HSM_1570
g31107.t1	EGV98430.1	hypothetical protein	I79_020533
g13100.t1	EGW12357.1	hypothetical protein	I79_025648
g31075.t1	XP_002414393.1	hypothetical protein	IscW_ISCW012389
g26906.t1	EHJ64573.1	hypothetical protein	KGM_05799
g11127.t1	EHJ73938.1	hypothetical protein	KGM_12229
g32724.t1	EMS13975.1	hypothetical protein	KM1_292760
g43774.t1	NP_965614.1	hypothetical protein	LJ0641
g33241.t1	NP_965518.1	hypothetical protein	LJ1711
g20457.t1	XP_001340940.4	hypothetical protein	LOC100000814

g31187.t1	XP_001341234.1	hypothetical protein	LOC100001178
g27168.t1	XP_001341347.1	hypothetical protein	LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein	LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein	LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein	LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein	LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein	LOC100005950
g27465.t1	XP_001365969.1	hypothetical protein	LOC100015795
g29531.t1	XP_003199650.1	hypothetical protein	LOC100034383
g14297.t1	XP_003198339.1	hypothetical protein	LOC100034534
g10136.t1	XP_003201153.1	hypothetical protein	LOC100034626
g7463.t1	XP_001505536.2	hypothetical protein	LOC100073838
g48374.t1	XP_001921749.3	hypothetical protein	LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein	LOC100149486
g26912.t1	XP_003200579.1	hypothetical protein	LOC100149834
g12351.t1	XP_001923568.1	hypothetical protein	LOC100149918
g19796.t1	XP_001920901.2	hypothetical protein	LOC100150454
g38934.t1	XP_001920208.3	hypothetical protein	LOC100150803
g32604.t1	XP_001919005.1	hypothetical protein	LOC100150875
g57255.t1	XP_003201444.1	hypothetical protein	LOC100150934
g10383.t1	XP_001922042.3	hypothetical protein	LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein	LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein	LOC100164864
g17657.t1	XP_002662059.2	hypothetical protein	LOC100318173
g42772.t1	XP_002664138.2	hypothetical protein	LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein	LOC100320750
g52958.t1	XP_002666775.2	hypothetical protein	LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein	LOC100329375
g31988.t1	XP_002664361.1	hypothetical protein	LOC100329833
g49286.t1	XP_002667207.2	hypothetical protein	LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein	LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein	LOC100330331
g28608.t1	XP_002667279.1	hypothetical protein	LOC100330441
g16182.t1	XP_002660723.2	hypothetical protein	LOC100330703
g20608.t1	XP_002661760.2	hypothetical protein	LOC100330775
g17427.t1	XP_002660724.2	hypothetical protein	LOC100330837
g24765.t1	XP_002662390.2	hypothetical protein	LOC100331078
g24861.t1	XP_002665640.2	hypothetical protein	LOC100331092
g48172.t1	XP_002667622.2	hypothetical protein	LOC100331296
g54372.t1	XP_002663377.2	hypothetical protein	LOC100331483
g13693.t1	XP_003198393.1	hypothetical protein	LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein	LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein	LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein	LOC100332081
g54670.t1	XP_002667295.2	hypothetical protein	LOC100332327
g44068.t1	XP_002665289.1	hypothetical protein	LOC100332936
g11990.t1	XP_002660539.2	hypothetical protein	LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein	LOC100333442
g16643.t1	XP_003200649.1	hypothetical protein	LOC100333514
g8077.t1	XP_002664871.2	hypothetical protein	LOC100334093
g12805.t1	XP_002661651.2	hypothetical protein	LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein	LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein	LOC100425551
g34757.t1	XP_003132212.3	hypothetical protein	LOC100515924
g21486.t1	XP_003200325.1	hypothetical protein	LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein	LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein	LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein	LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein	LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein	LOC100535483
g3116.t1	XP_003199773.1	hypothetical protein	LOC100535494
g8029.t1	XP_003200612.1	hypothetical protein	LOC100535498
g8735.t1	XP_003201317.1	hypothetical protein	LOC100535501
g29386.t1	XP_003199526.1	hypothetical protein	LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein	LOC100535628
g19689.t1	XP_003201278.1	hypothetical protein	LOC100535693
g28564.t1	XP_003198618.1	hypothetical protein	LOC100535945
g17266.t1	XP_003198150.1	hypothetical protein	LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein	LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein	LOC100536113
g13092.t1	XP_003201129.1	hypothetical protein	LOC100536326
g53087.t1	XP_003200750.1	hypothetical protein	LOC100536356

g18154.t1	XP_003200310.1	hypothetical protein	LOC100536514
g23318.t1	XP_003197745.1	hypothetical protein	LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein	LOC100536568
g521.t1	XP_003198041.1	hypothetical protein	LOC100536709
g31924.t1	XP_003200217.1	hypothetical protein	LOC100537160
g45175.t1	XP_003199210.1	hypothetical protein	LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein	LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein	LOC100537459
g43161.t1	XP_003201270.1	hypothetical protein	LOC100537492
g48204.t1	XP_003199816.1	hypothetical protein	LOC100537723
g12081.t1	XP_003198218.1	hypothetical protein	LOC100538074
g33476.t1	XP_003199572.1	hypothetical protein	LOC100538095
g20049.t1	XP_003197739.1	hypothetical protein	LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein	LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein	LOC100538252
g51472.t1	XP_003201436.1	hypothetical protein	LOC100538324
alltrinity_comp381973_c0_seq1	XP_003230335.1	hypothetical protein	LOC100551644
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein	LOC100636977
g16644.t1	XP_003386609.1	hypothetical protein	LOC100640796
g53019.t1	XP_003396199.1	hypothetical protein	LOC100649135
g18564.t1	XP_003412484.1	hypothetical protein	LOC100659919
g30105.t1	XP_003459560.1	hypothetical protein	LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein	LOC100690464
g29036.t1	XP_003447980.1	hypothetical protein	LOC100690563
g15033.t1	XP_003443304.1	hypothetical protein	LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein	LOC100691594
g5376.t1	XP_003455589.1	hypothetical protein	LOC100692109
g14598.t1	XP_003442586.1	hypothetical protein	LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein	LOC100693855
g11430.t1	XP_003451558.1	hypothetical protein	LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein	LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein	LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein	LOC100695782
g16052.t1	XP_003460003.1	hypothetical protein	LOC100695983
g50606.t1	XP_003452156.1	hypothetical protein	LOC100696470
g14329.t1	XP_003449587.1	hypothetical protein	LOC100697617
g55868.t1	XP_003459730.1	hypothetical protein	LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein	LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein	LOC100698537
g29254.t1	XP_003441428.1	hypothetical protein	LOC100698734
g11185.t1	XP_003458913.1	hypothetical protein	LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein	LOC100700306
g432.t1	XP_003451752.1	hypothetical protein	LOC100700580
g36774.t1	XP_003448688.1	hypothetical protein	LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein	LOC100701215
g7695.t1	XP_003455041.1	hypothetical protein	LOC100701310
g10566.t1	XP_003447938.1	hypothetical protein	LOC100701921
g33052.t1	XP_003444443.1	hypothetical protein	LOC100702260
g27356.t1	XP_003450426.1	hypothetical protein	LOC100702467
g23715.t1	XP_003459749.1	hypothetical protein	LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein	LOC100705191
g29021.t1	XP_003443275.1	hypothetical protein	LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein	LOC100705635
g13136.t1	XP_003460241.1	hypothetical protein	LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein	LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein	LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein	LOC100706714
g24819.t1	XP_003457921.1	hypothetical protein	LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein	LOC100707181
g29793.t1	XP_003443872.1	hypothetical protein	LOC100707273
g26972.t1	XP_003454161.1	hypothetical protein	LOC100708199
g14341.t1	XP_003444634.1	hypothetical protein	LOC100708884
g47990.t1	XP_003440221.1	hypothetical protein	LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein	LOC100710310
g1673.t1	XP_003449133.1	hypothetical protein	LOC100710414
g45797.t1	XP_003453997.1	hypothetical protein	LOC100710874
g34330.t1	XP_003446062.1	hypothetical protein	LOC100710931
g7012.t1	XP_003440304.1	hypothetical protein	LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein	LOC100712513
g36817.t1	XP_003494680.1	hypothetical protein	LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein	LOC335281
g40792.t1	XP_002662871.1	hypothetical protein	LOC394209

g44635.t1	XP_001921158.2	hypothetical protein	LOC449864
g11708.t1	XP_002663454.2	hypothetical protein	LOC450004
g28356.t1	XP_686205.5	hypothetical protein	LOC553348
g30255.t1	XP_002666522.1	hypothetical protein	LOC553431
g25289.t1	XP_001920913.1	hypothetical protein	LOC553492
g36073.t1	XP_683309.2	hypothetical protein	LOC555649
g7626.t1	XP_683329.3	hypothetical protein	LOC555663
g36783.t1	XP_003199674.1	hypothetical protein	LOC557615
g19746.t1	XP_686125.4	hypothetical protein	LOC557879
g33207.t1	XP_687197.4	hypothetical protein	LOC558838
g41393.t1	XP_687443.5	hypothetical protein	LOC559049
g19603.t1	XP_689141.4	hypothetical protein	LOC560652
g37038.t1	XP_689188.3	hypothetical protein	LOC560699
g21159.t1	XP_689501.2	hypothetical protein	LOC561010
g18101.t1	XP_689554.5	hypothetical protein	LOC561062
g1411.t1	XP_689569.2	hypothetical protein	LOC561077
g30999.t1	XP_689978.5	hypothetical protein	LOC561486
g628.t1	XP_690436.1	hypothetical protein	LOC561947
g54585.t1	XP_691594.3	hypothetical protein	LOC563138
g54587.t1	XP_691803.3	hypothetical protein	LOC563347
g38420.t1	XP_693013.1	hypothetical protein	LOC564590
g57297.t1	XP_003197742.1	hypothetical protein	LOC565594
g21982.t1	XP_694330.3	hypothetical protein	LOC565974
g23574.t1	XP_694444.5	hypothetical protein	LOC566084
g14304.t1	XP_694502.3	hypothetical protein	LOC566140
g3153.t1	XP_003199000.1	hypothetical protein	LOC566660
g17730.t1	XP_696219.3	hypothetical protein	LOC567822
g40614.t1	XP_697364.2	hypothetical protein	LOC568911
g16066.t1	XP_697646.3	hypothetical protein	LOC569187
g30140.t1	XP_697773.2	hypothetical protein	LOC569303
g32806.t1	XP_698346.1	hypothetical protein	LOC569844
g37949.t1	XP_698488.5	hypothetical protein	LOC569976
g18439.t1	XP_001332199.4	hypothetical protein	LOC792632
g53724.t1	XP_001332295.4	hypothetical protein	LOC792710
g49865.t1	XP_001332352.1	hypothetical protein	LOC792761
g50441.t1	XP_001333061.3	hypothetical protein	LOC793321
g31759.t1	XP_001921853.2	hypothetical protein	LOC794266
g938.t1	XP_001334793.2	hypothetical protein	LOC794766
g35370.t1	XP_001333737.1	hypothetical protein	LOC795321
g55848.t1	XP_001336831.3	hypothetical protein	LOC796490
g42406.t1	XP_001337771.1	hypothetical protein	LOC797299
g610.t1	XP_001338697.2	hypothetical protein	LOC798244
g2422.t1	XP_001338767.4	hypothetical protein	LOC798310
g26715.t1	XP_001338900.4	hypothetical protein	LOC798456
g31378.t1	XP_001920404.3	hypothetical protein	LOC798921
g31791.t1	XP_001921144.1	hypothetical protein	LOC799340
pac_pacbio_411861709_2/3_6178	ESP02324.1	hypothetical protein	LOTGIDRAFT_138617
pac_pacbio_411362994_1/25_2027	ES099223.1	hypothetical protein	LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein	Ip10493
g56839.t1	ELR56375.1	hypothetical protein	M91_00108
g1865.t1	ELR51638.1	hypothetical protein	M91_02900
g25.t1	ELR56546.1	hypothetical protein	M91_19203
g14309.t1	YP_002465894.1	hypothetical protein	Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein	NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein	NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein	NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein	NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein	NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein	NEMVEDRAFT_v1g222181
g42760.t1	XP_001620448.1	hypothetical protein	NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein	NEMVEDRAFT_v1g224595
g42582.t1	XP_001619734.1	hypothetical protein	NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein	NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein	NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein	NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein	NEMVEDRAFT_v1g9604
g36059.t1	AD019075.1	hypothetical protein	Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein	PAL_GLEAN10009430
g42457.t1	YP_660931.1	hypothetical protein	Pat1_1351
g24825.t1	XP_004224544.1	hypothetical protein	PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein	Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein	PRUPE_ppb013565mg

g49496.t1	YP_001433281.1	hypothetical protein Rcas_3209
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
pac_pachio_411898645_5/245_1680	YP_251955.1	hypothetical protein SH0040
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g8045.t1	EMP41437.1	hypothetical protein UY3_01303
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pachio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	Ifi-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g27092.t1	NP_001117097.1	IGF binding protein 2
g36979.t1	ACR61401.1	IGF-II mRNA-binding protein 2a variant B
g48544.t1	PF02372.10	IL15
cdna_aby_k51:1149493	AAZ43090.1	IL-15 protein
qifan_compl15428_c0_seq2	AAM52337.1	IL-6 subfamily cytokine M17
g48990.t1	NP_001165325.1	IL-6 subfamily member ciliary neurotrophic factor
g34967.t1	AAH90751.1	Im:6912380
g18768.t1	AAH90763.1	Im:7138629
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g16935.t1	P02976	Immunoglobulin G-binding protein A
g20278.t1	AAA82596.1	immunoglobulin light chain F class
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g17523.t1	NP_001002302.1	importin-11
g31575.t1	XP_004553026.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2
g20114.t1	XP_003442391.1	inactive serine/threonine-protein kinase VRK3
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g34965.t1	NP_991199.1	IN080 complex subunit E
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g17273.t1	XP_002665435.2	inositol-trisphosphate 3-kinase C
g19578.t1	NP_571566.1	insulin-like growth factor 2 mRNA-binding protein 3
g27161.t1	AD016599.1	insulin-like growth factor 3 transcript variant 2
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g27016.t1	XP_003446345.1	integrator complex subunit 7
g1340.t1	NP_001187175.1	intelectin 1
g7704.t1	NP_001028276.1	inter-alpha-trypsin inhibitor heavy chain 3b
g18254.t1	NP_001020335.1	inter-alpha-trypsin inhibitor heavy chain H4
g45588.t1	Q00238	Intercellular adhesion molecule 1
g35958.t1	NP_001187263.1	interferon gamma
g37320.t1	ACV41808.1	interferon gamma receptor 1-1
qifan_compl30822_c0_seq1	ACV41809.1	interferon gamma receptor 1-2
g40560.t1	NP_001184131.1	interferon lambda receptor 1
g38884.t1	NP_001155212.1	interferon phi 4
g1316.t1	NP_001187103.1	interferon-induced GTP-binding protein Mx1
g13284.t1	NP_001187140.1	interferon-induced GTP-binding protein Mx2
g45195.t1	NP_001265741.1	interferon-induced helicase C domain-containing protein 1
g12025.t1	XP_001345981.3	interferon-induced protein 44
g50963.t1	NP_001187148.1	interleukin 1 beta
qifan_compl30471_c0_seq3	NP_001104307.1	interleukin 13 receptor, alpha 1
g35960.t1	NP_001018628.1	interleukin 22
g35959.t1	NP_001018635.1	interleukin 26
qifan_compl39105_c0_seq2	XP_005164266.1	interleukin 4 receptor, tandem duplicate 1
g13421.t1	CBL94873.1	interleukin 6 signal transducer GPI30 protein
g38243.t1	NP_001106979.2	interleukin 7 receptor
g50964.t1	NP_001187149.1	interleukin-1 beta
g10163.t1	XP_003454960.1	interleukin-1 receptor type 2

qifan_comp268761_c0_seq1	CAI61347.1	interleukin-11b
g18948.t1	XP_003454873.1	interleukin-12 subunit alpha
g4934.t1	XP_004565503.1	interleukin-17 receptor D
g21698.t1	BAI82584.1	interleukin-17N
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
alltrinity_comp182885_c0_seq2	ADB81777.1	interleukin-21
yu_Contig11390	XP_005742066.1	interleukin-5 receptor subunit alpha
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein US01
g35349.t1	XP_004315078.1	intraflagellar transport protein 74
g24054.t1	P07476	Involucrin
g49188.t1	XP_003963595.1	IQ motif and SEC7 domain-containing protein 2
g35449.t1	AFW98246.1	isotocin-neurophysin
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g22675.t1	NP_001029348.1	KAT8 regulatory NSL complex subunit 3
g17682.t1	XP_004554181.1	kazrin
g26089.t1	XP_003971629.1	kelch-like protein 29
g8596.t1	NP_001164413.1	kelch-like protein 5
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
ncbimrna_375790490	XP_005164234.1	keratin-associated protein 9-2
g43420.t1	NP_001070758.1	KH domain-containing, RNA-binding, signal transduction-associated protein 2
g9539.t1	Q9R226	KH domain-containing, RNA-binding, signal transduction-associated protein 3
g54622.t1	BAA07679.1	KIAA0094
g39250.t1	CBH13535.1	kinesin
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
g4060.t1	NP_001004664.2	kinesin-like protein KIF2A
g38942.t1	XP_004559994.1	kinetochore protein Nuf2
g55705.t1	NP_001187365.1	kinetochore protein Spc24
g18767.t1	XP_003198769.1	kinetochore-associated protein 1
cdna_c1c_556451	XP_001923648.1	kinetochore-associated protein DSN1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g24190.t1	XP_004566728.1	kremen protein 1
g40402.t1	XP_003969410.1	krev interaction trapped protein 1
g38122.t1	NP_957113.1	Kv channel interacting protein 3a, calsenilin
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g53077.t1	NP_001028901.1	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g15807.t1	XP_002733056.1	latrophilin 2
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AF067946.1	leptin receptor
g39608.t1	XP_004564019.1	leucine-rich repeat and calponin homology domain-containing protein 2
g46216.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g26419.t1	XP_692159.4	leucine-rich repeat transmembrane neuronal protein 4
g53937.t1	E7FE13	Leucine-rich repeat-containing G-protein coupled receptor 4
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g20799.t1	ACN60270.1	Leucine-rich repeat-containing protein 47
g24437.t1	XP_003456248.1	leucine-rich repeat-containing protein 68
g58077.t1	NP_001018537.1	leucine-rich repeat-containing protein C10orf11
g17866.t1	NP_001186852.1	leucine-rich repeat-containing protein KIAA1731
g39768.t1	XP_004554027.1	leucine-rich repeats and immunoglobulin-like domains protein 3
g24646.t1	XP_001923860.1	leukemia NUP98 fusion partner 1
g28311.t1	NP_001187136.1	leukocyte immune-type receptor 3
g12303.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g28347.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
qifan_comp140086_c0_seq1	NP_001004591.1	leukocyte receptor cluster (LRC) member 1
g58055.t1	ADG29142.1	lily-type lectin

g42990.t1	NP_571739.1	LIM domain and actin-binding protein 1
yu_k58:1919622	XP_006795542.1	LIM domain kinase 1
g3343.t1	NP_571389.1	LIM domain-binding protein 2
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
g11259.t1	CBN81152.1	Limbin
g45955.t1	ADO27907.1	lin-37
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
alltrinity_comp205600_c0_seq2	XP_005169624.1	lish domain-containing protein C1711.05
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g56882.t1	AAH87502.1	LOC496084 protein
g33782.t1	AAH91547.1	LOC553316 protein
g10211.t1	AAH91901.1	LOC553343 protein
g7358.t1	AAI54644.1	LOC555629 protein
g43543.t1	AAI15338.1	LOC555678 protein
g37900.t1	AAI24249.1	LOC562321 protein
g36527.t1	AAI46710.1	LOC563247 protein
g31699.t1	AAI22307.1	LOC571260 protein
g35107.t1	AAI22184.1	LOC793885 protein
g48967.t1	AAI42880.1	LOC795887 protein
g10413.t1	XP_003199120.1	low-density lipoprotein receptor
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
pac_pacbio_410283153_1/0_1305	XP_003976043.1	low-density lipoprotein receptor-related protein 5
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g45470.t1	Q25060.1	LWamide neuropeptides
g4726.t1	Q8N2G4	Ly6/PLAUR domain-containing protein 1
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g31907.t1	XP_003966355.1	lymphocyte activation gene 3 protein
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
g7407.t1	XP_003976726.1	lymphokine-activated killer T-cell-originated protein kinase
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
86_ccaa	AHH39989.1	Lyr motif-containing protein 2
qifan_comp183686_c0_seq1	NP_001157713.1	Lyr motif-containing protein 4
cdna_c1c_280752	NP_001187277.1	lyr motif-containing protein 4a
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g5003.t1	XP_003962782.1	lysine-specific histone demethylase 1A
g47294.t1	NP_001155999.1	lysosomal protein transmembrane 5
g10458.t1	XP_001919653.1	lysosomal-trafficking regulator
g42724.t1	NP_956843.1	MACRO domain-containing protein 2
g49283.t1	CAP58788.1	macrophage colony-stimulating factor-2
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g57759.t1	NP_001158857.1	Macrosialin
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g41458.t1	AAG27598.1	Makorin RING zinc-finger protein 1
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g14167.t1	XP_002665249.1	MAM domain-containing glycosylphosphatidylinositol anchor protein 2
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g7676.t1	PF05672.6	MAP7
g50272.t1	PF02063.12	MARCKS
g20240.t1	XP_004576282.1	mast/stem cell growth factor receptor kita
g52897.t1	XP_003450249.1	mastermind-like protein 2
g10550.t1	NP_001187095.1	matrix Gla protein
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
g25508.t1	NP_957350.1	max dimerization protein 3
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g18370.t1	EDL20200.1	mCG145728
g40659.t1	PF05669.7	Med31
g57509.t1	XP_003451039.1	meiotic recombination protein RECS
g35403.t1	CAL48577.1	melanin-concentrating hormone
g31479.t1	Q16655	Melanoma antigen recognized by T-cells 1
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g48154.t1	NP_571470.1	melatonin receptor type 1B-A
g33696.t1	XP_004600126.1	membrane protein, palmitoylated 7
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3

g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
g44311.t1	XP_004082306.1	membrane-bound 0-acyltransferase domain-containing protein 2
g4956.t1	NP_001020632.1	membrane-bound transcription factor site-2 protease
qifan_comp110320_c0_seq4	XP_005160308.1	membrane-spanning 4-domains subfamily A member 15
alltrinity_comp200478_c0_seq1	NP_001134813.1	Membrane-spanning 4-domains subfamily A member 4A
g11327.t1	ACI68246.1	Membrane-spanning 4-domains subfamily A member 8A
g57726.t1	XP_003198971.1	menin
g14394.t1	XP_004553025.1	mepirin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentin
g10867.t1	AAH46685.1	Metapl protein
g14974.t1	XP_003903197.1	metastasis suppressor protein 1
g10104.t1	XP_004590682.1	methionine aminopeptidase 1
g16885.t1	NP_001079775.1	methionyl aminopeptidase 1
cdna_c1c_271450	AAH92939.1	Mgmt protein
g16296.t1	AAD39868.1	MHC class II antigen
g42789.t1	XP_003199738.1	microcephalin
g3971.t1	XP_003449509.1	microfibril-associated glycoprotein 4
g16979.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g46905.t1	XP_001341305.3	microtubule-associated serine/threonine-protein kinase 2
alltrinity_comp203544_c0_seq1	XP_006627139.1	microtubule-associated serine/threonine-protein kinase 4
g8671.t1	XP_004538730.1	microtubule-associated tumor suppressor 1
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g16806.t1	XP_003200751.1	midasin
g2492.t1	WP_001450027.1	minor spike protein H
g48443.t1	XP_004540605.1	mis18-binding protein 1
qifan_comp146731_c1_seq4	NP_001187531.1	mitochondrial ATP synthase subunit e
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g40824.t1	XP_004079949.1	mitochondrial fission 1 protein
g17455.t1	NP_956178.1	mitochondrial fission regulator 1
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g45885.t1	NP_001188137.1	mitochondrial NADH dehydrogenase (ubiquinone) flavoprotein 2
g26119.t1	XP_004274013.1	mitogen-activated protein kinase-binding protein 1
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g48186.t1	AGC26050.1	monocarboxylate transporter 8
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
g47450.t1	NP_001167529.1	monocyte to macrophage differentiation factor 2
g12545.t1	XP_691639.1	mpv17-like protein
g53182.t1	NP_001167228.1	mRNA-capping enzyme
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g54049.t1	XP_004539890.1	MTSS1-like protein
g25059.t1	EPQ10665.1	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g25929.t1	EMP33212.1	MutS protein like protein 4
g21743.t1	ABL61237.1	Mx protein
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g54360.t1	XP_004065724.1	myelin and lymphocyte protein
alltrinity_comp197680_c0_seq3	XP_005170136.1	myelin basic protein
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
37_ccaa	ADO29246.1	myeloma overexpressed gene 2 protein-like protein
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
alltrinity_comp197409_c0_seq8	XP_006797894.1	myosin light chain kinase 3
g11215.t1	XP_004589604.1	myosin-9
g50936.t1	NP_991142.1	myosin-IIa
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIb
g858.t1	AGI42757.1	myoxvirus resistance protein B
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g48593.t1	XP_003440536.1	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1
g57294.t1	XP_001922286.3	NACHT, LRR and PYD domains-containing protein 1
g13618.t1	XP_003459946.1	NACHT, LRR and PYD domains-containing protein 12
g20253.t1	XP_682940.5	NACHT, LRR and PYD domains-containing protein 14
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3

g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g1813.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
g34582.t1	CBN80989.1	N-acyl ethanolamine-hydrolyzing acid amidase
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
skin_comp65695_c0_seq1	XP_003200818.1	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1
g35145.t1	NP_942095.2	natriuretic peptideA
g39069.t1	ADO27823.1	natterin
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g24545.t1	NP_001035777.1	nephrin
g53490.t1	XP_003497875.1	nephrocystin-1
g11942.t1	Q8NF91	Nesprin-1
g31860.t1	XP_001919922.1	nestin
g35302.t1	NP_001030157.1	netrin receptor DCC
g40622.t1	AAT02665.1	neural friend of GATA-A
g10849.t1	XP_688089.3	neuralcell expressed, developmentally down-regulated 4
g7924.t1	XP_004915774.1	neurofilament heavy polypeptide
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACJ64069.1	neuromedin s
alltrinity_comp173394_c1_seq1	XP_005160570.1	neuromedin-U
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g24656.t1	XP_003455418.1	neuronal growth regulator 1
g24956.t1	NP_899189.2	neuropeptide FF-amide peptidelike
alltrinity_comp138035_c0_seq2	XP_005159201.1	neurotensin/neuromedin N
g49463.t1	AEX01238.1	neurotrophic tyrosine kinase receptor type 3b
g41002.t1	XP_004573454.1	NHS-like protein 2
g44058.t1	NP_001187232.1	NK-lysin type 3
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
g53381.t1	ABD83886.1	NOD3 protein
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein
g5204.t1	XP_004684075.1	nose resistant to fluoxetine protein 6
qifan_comp129372_c0_seq2	BAC45234.1	novel immune type receptor
g22502.t1	NP_001187209.1	novel immune-type receptor 1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g41981.t1	NP_001187173.1	novel immune-type receptor 15b
g41968.t1	NP_001187235.1	novel immune-type receptor 16
g13108.t1	AAL35554.1	novel immune-type receptor 3
g34327.t1	CAQ14221.1	novel protein containing a WW domain and PDZ domains
yu_k65:1467070	CAE17634.2	novel protein similar to human telomerase-associated protein 1
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g24330.t1	CAH68844.1	novel protein similar to lectins
g39163.t1	CAP09621.1	novel protein similar to phosphatase and actin regulator 3
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex arl1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g3237.t1	XP_001923237.3	nuclear factor 7, ovary
g32636.t1	XP_004566846.1	nuclear factor of activated T-cells, cytoplasmic 1
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g35961.t1	NP_001038285.1	nuclear protein MDM1
g13514.t1	XP_003446350.1	nuclear receptor-binding protein
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g17211.t1	XP_687281.4	nucleolar protein 7
g22043.t1	XP_002664363.2	nucleolin 2
g31413.t1	XP_001923018.1	nucleoporin NUP188
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g14591.t1	ABB29299.1	OCA2
alltrinity_comp205119_c0_seq2	NP_001138715.1	odontogenic, ameloblast associated
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
g32723.t1	XP_725227.1	ookinete protein
g5307.t1	EMP35508.1	Oral-facial-digital syndrome 1 protein
g22847.t1	ABD75623.1	orflab polyprotein
pac_pacbio_411116759_1/53_4899	BAE46428.1	ORF1-encoded protein
g10549.t1	ACL36137.1	osteocalcin
g45753.t1	NP_001239288.1	osteopetrosis-associated transmembrane protein 1

g3230.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
g15906.t1	Q62052	P protein
g24665.t1	ABW84004.1	p65 transcription factor
g51029.t1	NP_001107893.1	p90 autoantigen
g24747.t1	XP_001919624.3	paired box protein Pax-3
g15072.t1	CBN81517.1	Paladin
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g3360.t1	Q3YV06	Pantothenate kinase
g41819.t1	P15743	Parathyroid hormone
cdna_vet_k47:719640	NP_998114.1	parathyroid hormone 1b
g658.t1	AAI62885.1	Parathyroid hormone hormone
g16363.t1	XP_004084142.1	parathyroid hormone-related protein
g12771.t1	ACO09629.1	Parkin
g13199.t1	XP_003200404.1	parkin coregulated gene protein
g45118.t1	XP_004086996.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g8231.t1	XP_689774.3	PDZ domain-containing protein 8
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g11064.t1	YP_001107629.1	PE-PGRS family protein
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g27475.t1	BAJ07835.1	perforin 1
g20307.t1	ABU96277.1	perforin-like protein 1
g50138.t1	EMC87829.1	Periaxin
g45432.t1	XP_004877096.1	peripheral plasma membrane protein CASK
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g27952.t1	XP_002667010.1	peroxisomal coenzyme A diphosphatase NUDT7
g40027.t1	XP_004083366.1	peroxisomal targeting signal 2 receptor
blue_Contig79241.1_7555	XP_003199944.2	peroxisome proliferator-activated receptor gamma, coactivator 1 beta
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g46593.t1	XP_003975348.1	PH domain leucine-rich repeat-containing protein phosphatase 1
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
g55618.t1	NP_001038760.2	phenylalanine--tRNA ligase alpha subunit
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g46586.t1	XP_004542807.1	phosphatase and actin regulator 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g1238.t1	XP_004561498.1	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A
g51186.t1	EHB08467.1	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein
g51382.t1	XP_683672.2	phosphatidylinositol 5-phosphate 4-kinase type-2 alpha
g40242.t1	NP_998426.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit C
g8510.t1	XP_004079981.1	phosphofurin acidic cluster sorting protein 1
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g48193.t1	ACO09392.1	Phospholemman
g20366.t1	XP_696991.4	phospholipase B1, membrane-associated
g5029.t1	NP_001265769.1	phospholipase C-beta 2
g7864.t1	XP_004564794.1	phospholipase DDHD1
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g43198.t1	XP_004539327.1	phosphoribosyl pyrophosphate synthase-associated protein 1
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g15799.t1	XP_004067526.1	phosphorylase b kinase regulatory subunit beta
g8614.t1	Q58EK3	PI-PLC X domain-containing protein 3
g8782.t1	NP_001187757.1	pituitary tumor-transforming gene 1 protein-interacting protein
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
alltrinity_comp202269_c0_seq11	XP_005156395.1	pleckstrin domain-containing family S member 1
g50680.t1	XP_004086701.1	plectin
g40062.t1	XP_003410187.1	plexin-A2
g30632.t1	XP_694914.3	plexin-B1
g44731.t1	XP_004553914.1	plexin-C1
g11332.t1	BAK19070.1	PL-toxin I
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
alltrinity_comp171776_c0_seq1	XP_006796719.1	poliovirus receptor-related protein 1

g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g1059.t1	BAC82606.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g12003.t1	NP_001003504.1	polyadenylate-binding protein-interacting protein 1
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g16660.t1	XP_003455842.1	polycystin-1
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g10438.t1	P12027	Polysialoglycoprotein
g23967.t1	XP_003976454.1	potassium channel subfamily K member 5
g34603.t1	XP_692121.5	potassium channel subfamily T member 1
g5354.t1	XP_694050.5	potassium channel subfamily T member 2
g51532.t1	O73925	Potassium voltage-gated channel subfamily KQT member 1
g54058.t1	ADD91543.1	potassium voltage-gated channel subfamily Q member 1
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g52345.t1	Q64693	POU domain class 2-associating factor 1
g10176.t1	XP_001631300.1	predicted protein
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g35239.t1	NP_001265734.1	pregnancy-associated plasma protein A, pappalysin 1a
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g4771.t1	EMP33297.1	Pre-mRNA-processing factor 6
g30063.t1	P04560.1	Prepro-urotensin II-alpha
g39231.t1	NP_991154.1	prepro-urotensin II-beta
g30628.t1	Q3KR63.1	Pre-rRNA-processing protein TSR2
qifan_comp146427_c0_seq38	XP_002660420.2	primary ciliary dyskinesia protein 1
g56840.t1	NP_001117923.1	prion
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g26911.t1	Q925B0	PRKC apoptosis WT1 regulator protein
g18451.t1	NP_956911.1	probable arginyl-tRNA synthetase, mitochondrial
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g26844.t1	Q81ZF6	Probable G-protein coupled receptor 112
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase Atlg35710
g48651.t1	AC009716.1	Probable mitochondrial import receptor subunit TOM7
g57764.t1	XP_004554429.1	probable palmitoyltransferase ZDHHC21
g27931.t1	XP_002664502.2	probable phospholipid-transporting ATPase IA
51_ccaa	AD028809.1	probable protein brick1
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g14860.t1	XP_003970692.1	pro-epidermal growth factor
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g14952.t1	AAS57648.1	proglucagon I
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g42773.t1	XP_004556116.1	proline-rich protein 18
g27019.t1	XP_004478809.1	proline-rich protein 2
g38522.t1	XP_004556894.1	proline-rich protein 7
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g11597.t1	NP_001189471.1	pro-melanin concentrating hormone
g37955.t1	ABB71125.1	prominin
g56977.t1	XP_004564746.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound
g49223.t1	XP_003451735.1	proprotein convertase subtilisin/kexin type 5
g46034.t1	XP_689903.3	prostacyclin receptor
g17856.t1	ABB88955.1	prostaglandin E2 receptor subtype EP2
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g46354.t1	XP_706427.1	prostate stem cell antigen
alltrinity_comp92512_c0_seq1	XP_003450926.1	prostate-associated microseminoprotein
g45622.t1	XP_003446516.1	protachykinin
g11469.t1	NP_001187697.1	protachykinin-1
g30811.t1	XP_004069473.1	protection of telomeres protein 1
g41295.t1	XP_003438824.1	protein CCSMST1
g41283.t1	E7F568.2	Protein cordon-bleu
g32493.t1	XP_003973424.1	protein DDI1 homolog 2
g46044.t1	NP_001082796.1	protein FAM115
g22887.t1	XP_003199107.1	protein FAM150
g47603.t1	Q7T297.2	Protein FAM172A
g9762.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A

g34409.t1	XP_001096267.1	protein FAM190A
g51832.t1	Q8TCP9	Protein FAM200A
g5332.t1	XP_003961199.1	protein FAM53B
pac_pacbio_412105570_3/10_2751	XP_695158.3	protein FAM83F
g6892.t1	ELW61426.1	Protein Filia
g1911.t1	XP_003455434.1	protein inscuteable
g13785.t1	XP_003504247.1	protein IWS1
g10115.t1	Q1LVC2	Protein Jumonji
g27138.t1	XP_687326.2	protein KIAA1045
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g14847.t1	XP_003766334.1	protein kinase C zeta type
g39736.t1	Q5R3Z7	Protein kinase C-binding protein NELL2
qifan_comp145378_c0_seq2	NP_001071264.1	protein lin-52
g12881.t1	XP_004560274.1	protein NLRC3
g41849.t1	NP_957430.1	protein pelota
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g11758.t1	XP_002259357.1	protein phosphatase
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g23048.t1	NP_001038856.1	protein phosphatase 1 regulatory subunit 35
g35880.t1	XP_001921217.3	protein piccolo
g51512.t1	P29590	Protein PML
g38554.t1	XP_002666105.2	protein POF1B
g26037.t1	XP_004540628.1	protein RD3
g37149.t1	XP_004066290.1	protein RRP5
g11311.t1	XP_698471.1	protein S100-A1
g37542.t1	Q6NV26.1	Protein SDA1
g32467.t1	XP_688629.4	protein SFI1
qifan_comp217313_c0_seq1	XP_002666273.2	protein shisa-5
g12486.t1	XP_004556434.1	protein shisa-6
g14308.t1	P18583	Protein SON
g13009.t1	XP_003970742.1	protein spinster homolog 2
225_ccaa	AHH42861.1	Protein starmaker
g44009.t1	NP_001245157.1	protein TALPID3
g37612.t1	XP_004739434.1	protein transport protein Sec61 subunit gamma
g26393.t1	XP_004538477.1	protein turtle homolog A
g48691.t1	NP_942114.1	protein tyrosine kinase 2aa
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g24462.t1	XP_692783.3	protein tyrosine phosphatase, receptor type, Nb
g2403.t1	XP_695816.5	protein zyg-11
g32278.t1	XP_003453718.1	protein-arginine deiminase type-2
g53403.t1	NP_001133695.1	Protein-lysine 6-oxidase
g49199.t1	XP_003963600.1	proteolipid protein 2
qifan_comp133175_c0_seq1	NP_919357.2	prothymosin alpha-A
g4289.t1	NP_997823.1	protocadherin 1 gamma 22
g48886.t1	Q8BNA6	Protocadherin Fat 3
g11804.t1	XP_003359333.1	protocadherin-15
g9119.t1	ABC79284.1	protocadherin-15-CD3
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase R0S
g3754.t1	XP_678204.1	p-type ATPase
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g19337.t1	B8A4F4	Putative ATP-dependent RNA helicase TDRD9
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g15773.t1	XP_002933839.1	putative ferric-chelate reductase 1
g26061.t1	AAL35358.1	putative GAG protein
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_0029336671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g56749.t1	CAR82065.1	putative NLT1 leukocyte receptor
pac_pacbio_410136248_1/36_2527	AAD19347.1	putative nucleic acid binding protein
g44088.t1	XP_003978543.1	putative polypeptide N-acetylgalactosaminyltransferase protein 1
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g17003.t1	XP_004554412.1	pyruvate carboxylase, mitochondrial

g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g45662.t1	XP_003964348.1	rab11 family-interacting protein 4
g49845.t1	CBN81155.1	Rac GTPase-activating protein 1
qifan_comp288907_c0_seq1	XP_005160464.1	RAD51 paralog B
g39836.t1	NP_001133673.1	RAD51-associated protein 1
g37244.t1	NP_001187357.1	rad52 motif-containing protein 1
g40481.t1	XP_004074057.1	raftlin
g4070.t1	XP_686957.5	rap guanine nucleotide exchange factor 1
g48646.t1	XP_004541575.1	rap guanine nucleotide exchange factor 5
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g11328.t1	NP_001017910.1	rapunzel 4
g11329.t1	NP_001103594.1	rapunzel 5
qifan_comp115770_c0_seq1	ACM17390.1	rapunzel5
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g1707.t1	XP_003200549.1	ras GTPase-activating protein SynGAP
g53492.t1	XP_002734139.1	RAS protein activator like 1
g17435.t1	XP_0021894138.2	ras-specific guanine nucleotide-releasing factor RaIGPS1
g29312.t1	CBN80955.1	Receptor-type tyrosine-protein phosphatase gamma
g3499.t1	XP_003971889.1	receptor-type tyrosine-protein phosphatase kappa
g14844.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g36955.t1	XP_004538775.1	regulating synaptic membrane exocytosis protein 1
g37275.t1	XP_004431297.1	regulating synaptic membrane exocytosis protein 2
g1165.t1	NP_958461.1	regulator of G-protein signaling 14a
g35259.t1	XP_004538054.1	regulator of G-protein signaling 3
g27348.t1	O54829	Regulator of G-protein signaling 7
g48398.t1	BAB83841.1	ReO_6
g57929.t1	AGF85532.1	repeat protein
g90.t1	DAA01285.1	replicase/helicase/endonuclease
g56783.t1	NP_001187655.1	replication factor C subunit 3
g1345.t1	WP_001453088.1	replication-associated protein A
g54129.t1	XP_004543134.1	retinal dehydrogenase 2
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g43014.t1	AEU04705.1	retinoic acid receptor gamma
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g54320.t1	NP_001027010.1	rho guanine nucleotide exchange factor 11
g193.t1	XP_688428.4	rho guanine nucleotide exchange factor 28
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g57144.t1	NP_001038840.1	ribonuclease kappa-B
pac_pacbio_412068367_5/40_2901	NP_001093575.1	ribonuclease like 2
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g54222.t1	XP_002662988.1	RING finger protein 166
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g50372.t1	WP_003961220.1	RNA helicase
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylyl synthase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_seq5	XP_005167635.1	RNA-binding protein 44
g52659.t1	Q96DH6	RNA-binding protein Musashi homolog 2
g39008.t1	XP_003459178.1	RNA-directed DNA polymerase from mobile element jockey
g51583.t1	PF00929.19	RNase_T
g48238.t1	XP_004571181.1	rootletin
g42641.t1	NP_571679.2	runt-related transcription factor 3
g51369.t1	XP_003454106.1	ryanodine receptor 2
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
qifan_comp149773_c0_seq5	XP_002663941.1	sarcoplasmic reticulum histidine-rich calcium-binding protein
qifan_comp141770_c0_seq1	XP_001922616.3	saxitoxin and tetrodotoxin-binding protein 2
g9517.t1	XP_003446322.1	SAYSvFN domain-containing protein 1
g25183.t1	AAI54831.1	Sb:cb1022 protein
g250.t1	PF02023.12	SCAN
g6441.t1	XP_004917444.1	SCAN domain-containing protein 3
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1

g25061.t1	NP_001245158.1	selectin P ligand
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
qifan_comp98371_c0_seq1	NP_840071.2	selenoprotein M
g58129.t1	NP_001188199.2	selenoprotein U
g51370.t1	XP_004546647.1	semaphorin-5A
g2742.t1	XP_004552759.1	semaphorin-6B
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37032.t1	XP_003976101.1	serine hydrolase protein
g50818.t1	XP_004564406.1	serine/arginine repetitive matrix protein 1
g28561.t1	EMP28883.1	Serine/arginine repetitive matrix protein 3
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g44603.t1	XP_004868867.1	serine/threonine-protein kinase ICK
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g8657.t1	NP_001073513.2	serine/threonine-protein kinase SMG1
g21868.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
qifan_comp143170_c0_seq3	BAA36700.1	serum amyloid A protein
g7296.t1	NP_001003882.1	seryl-tRNA synthetase, cytoplasmic
g47678.t1	XP_698139.1	SET-binding protein
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g14649.t1	XP_004075685.1	SH2B adapter protein 2
g16617.t1	XP_001344470.3	SH3 and cysteine-rich domain-containing protein
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g17279.t1	XP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
g43353.t1	NP_945332.2	shadow of prion protein
g2113.t1	NP_956137.1	SHC SH2 domain-binding protein 1
g15389.t1	Q6POR8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
pac_pacbio_411998783_1/4_5593	XP_005159815.1	si:ch211-193k19.2
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1_seq2	XP_003197657.2	si:ch211-235f1.3
alltrinity_comp207474_c0_seq13	XP_005160672.1	si:ch211-51a19.5
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
qifan_comp143879_c0_seq1	AAI55834.1	Si:dkey-10p5.7
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12112.1
qifan_comp146311_c0_seq2	XP_002662647.3	si:dkey-162h11.3
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp63543_c0_seq2	XP_689978.6	si:dkey-3b8.4
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g293.t1	NP_001028913.1	signal recognition particle 14 kDa protein
g15950.t1	AH60933.1	Signal transduction and activation of transcription 1a
g3875.t1	Q8C0T5	Signal-induced proliferation-associated 1-like protein 1
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g26192.t1	XP_967283.1	similar to methionine aminopeptidase
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g16286.t1	Q6GP51	Single-pass membrane and coiled-coil domain-containing protein 4
g7738.t1	XP_003447924.1	single-pass membrane protein with aspartate-rich tail 1, mitochondrial
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g10121.t1	Q95KK4	Single-stranded DNA-binding protein 2C mitochondrial
g15277.t1	AAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
g2459.t1	AAX28135.2	SJCHGC07585 protein
qifan_comp275485_c0_seq1	AAX30961.2	SJCHGC09650 protein
qifan_comp213645_c0_seq1	XP_002667664.3	SLAM family member 5
g31366.t1	XP_003457715.1	SLAM family member 7
alltrinity_comp206233_c0_seq2	XP_005163632.1	SLAM family member 9

g1087.t1	AAI54227.1	Slc48alb protein
g4607.t1	XP_002666547.1	small cell adhesion glycoprotein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
qifan_comp132148_c0_seq1	XP_003437706.1	small EDRK-rich factor 2
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g48087.t1	XP_003447288.1	small integral membrane protein 13
skin_comp67519_c0_seq1	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_seq1	XP_002663002.1	small integral membrane protein 20
g15224.t1	POC8S0.1	Small membrane A-kinase anchor protein; Short=Small membrane AKAP
g10234.t1	XP_002662240.1	smoothelin
alltrinity_comp196652_c2_seq6	XP_001923727.1	snRNA-activating protein complex subunit 2
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g46535.t1	NP_001003420.1	sodium/bile acid cotransporter 7
g44207.t1	XP_002665845.1	sodium/potassium/calcium exchanger 4
blue_Contig29002.1_13287	XP_005170059.1	solute carrier family 52 (riboflavin transporter), member 2
g36522.t1	XP_693885.3	sorting nexin-29
g56465.t1	XP_004540041.1	SPARC-related modular calcium-binding protein 1
g43439.t1	XP_004573629.1	sperm acrosome membrane-associated protein 4
g20541.t1	XP_004074008.1	sperm-associated antigen 1
g5037.t1	XP_696012.3	sperm-associated antigen 5
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g986.t1	NP_001133843.1	Spermatogenesis-associated protein 2
g37723.t1	EMC82053.1	Splicing factor 3A subunit 2
g41736.t1	NP_571592.1	spondin 1b
g30737.t1	NP_571590.1	spondin-1
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Sppl
g42986.t1	NP_001099164.1	SPRY domain-containing protein 3
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g33569.t1	NP_999950.1	ST3 beta-galactoside alpha-2,3-sialyltransferase 3b
g5552.t1	AAH77133.1	Staphylococcal nuclease domain containing 1
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g44217.t1	XP_004082491.1	stAR-related lipid transfer protein 9
g15561.t1	EMS57593.1	Stellacyanin
g17541.t1	EMP40862.1	Storkhead-box protein 2
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g53340.t1	EGW14341.1	Stress protein DDR48
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g1885.t1	XP_002660454.2	stromal interaction molecule 2
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
g15021.t1	B2GV06	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
g29436.t1	AAH56551.1	Suclg2 protein
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g32554.t1	XP_004553021.1	sushi, nidogen and EGF domain-containing protein 1
g41141.t1	XP_695742.5	sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1
g1399.t1	XP_001338522.1	synapse differentiation-inducing gene protein 1
g49566.t1	XP_003758412.1	synaptic vesicle membrane protein VAT-1
g1427.t1	NP_001002463.1	synaptotagmin Ia
g3059.t1	XP_004574805.1	synaptotagmin-14
g43048.t1	XP_691385.2	synaptotagmin-6
g680.t1	NP_001232886.1	synaptotagmin-7
g45784.t1	XP_004541803.1	syntaxin-binding protein 5
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g32976.t1	BAF37936.1	Tcl-like transposase
g22064.t1	AAH54698.1	Tceb2 protein
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g29114.t1	XP_002662910.2	t-cell immunomodulatory protein
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
g56562.t1	AAD56899.1	TCR beta variable region
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g13142.t1	XP_002660903.2	telomerase protein component 1
g34751.t1	XP_004541587.1	tenascin
g18472.t1	XP_691552.5	teneurin-1
g7378.t1	NP_571043.1	teneurin-3

g46092.t1	NP_571044.1	teneurin-4
g25944.t1	XP_004571797.1	tensin-3
g19828.t1	XP_692960.1	testis development-related protein
g20417.t1	Q5RH71.1	Tetraspanin-33
g233.t1	PF00335.15	Tetraspanin
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g3424.t1	NP_775392.2	tetratricopeptide repeat protein 27
qifan_comp144376_c0_seq4	ADO29196.1	tetratricopeptide repeat protein 32
g11676.t1	NP_001002722.1	tetratricopeptide repeat protein 33
g25076.t1	AAH94984.1	Tfpia
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g6576.t1	XP_002660719.1	thioredoxin domain-containing protein 11
g50419.t1	XP_004562995.1	thioredoxin, mitochondrial
g14191.t1	NP_001137225.1	thrombopoietin
g46884.t1	BAL42515.1	thrombopoietin-receptor
g6165.t1	XP_694660.5	thrombospondin type-1 domain-containing protein 7B
g38235.t1	XP_695354.2	thy-1 membrane glycoprotein
g52385.t1	Q6PFL8	Thymocyte nuclear protein 1
g54284.t1	094900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_seq1	NP_001124169.1	thymosin, beta 4 x
g12839.t1	XP_003199748.1	thyroid adenoma-associated protein
g55354.t1	XP_690889.2	thyrotropin-releasing hormone-degrading ectoenzyme
g35331.t1	AFN02885.1	TIK11
g7616.t1	NP_001117830.1	tissue factor
g25093.t1	XP_001923800.1	titin
g40536.t1	XP_001340554.4	T-lymphocyte surface antigen Ly-9
g36919.t1	PF00229.13	TNF
g22210.t1	ADN37682.1	TNXB
cdna_vet_k79:5544	NP_001117782.1	toxin-1
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
alltrinity_comp196106_c3_seq5	NP_001070068.1	TRAF family member-associated NF-kappa-B activator
g12327.t1	XP_004564491.1	trafficking protein particle complex subunit 9
qifan_comp133739_c0_seq1	NP_001239578.1	transcobalamin
qifan_comp124652_c0_seq2	XP_005173278.1	transcription cofactor vestigial-like protein 1
qifan_comp79042_c0_seq1	XP_005156464.1	transcription elongation regulator 1-like protein
g25291.t1	XP_003458132.1	transcription factor Adf-1
g30194.t1	XP_003447721.1	transcription factor HES-5
g35606.t1	A4QNR3	Transcription factor IIIB 50 kDa subunit
g26049.t1	NP_956183.1	transcription factor IIIB 90 kDa subunit
g24621.t1	XP_004678511.1	transcription factor TFIIB component B
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g22449.t1	XP_001341061.1	si:dkey-lh6.8
g44348.t1	NP_997782.1	transcriptional repressor protein YY1
g25887.t1	042469	Transducin-like enhancer protein 1
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g15595.t1	NP_957368.1	translation initiation factor eIF-2B subunit gamma
g16091.t1	WP_014652760.1	translation initiation factor IF-2
g55233.t1	XP_002667084.2	translational activator GCN1
g30130.t1	ACD93412.1	transmembrane agrin
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g42139.t1	XP_003199940.1	transmembrane protein 109
180_ccaa	ABD83932.1	Transmembrane protein 116
g25062.t1	XP_687955.1	transmembrane protein 119
g38313.t1	XP_004538305.1	transmembrane protein 132C
g43487.t1	XP_001341924.1	transmembrane protein 132D
alltrinity_comp196143_c0_seq3	XP_005170961.1	transmembrane protein 154
cdna_aby_k41:1595060	NP_001122172.1	transmembrane protein 160
alltrinity_comp193992_c0_seq1	XP_005167630.1	transmembrane protein 163
92_ccaa	AHH39436.1	Transmembrane protein 208
yu_Contig21230	NP_001257902.1	transmembrane protein 209
alltrinity_comp172671_c0_seq3	XP_001919554.1	transmembrane protein 235
g26555.t1	XP_003968106.1	transmembrane protein 236
87_ccaa	AHH39949.1	Transmembrane protein 254
qifan_comp113127_c0_seq1	NP_001017620.1	transmembrane protein 256
g5383.t1	XP_004549054.1	transmembrane protein 42
skin_comp55485_c0_seq2	NP_001188089.1	transmembrane protein c9orf46
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
qifan_comp267623_c0_seq1	XP_003200789.2	triadin
g24169.t1	XP_001341898.4	trichohyalin
g4379.t1	XP_003787499.1	trifunctional enzyme subunit beta, mitochondrial

g47477.t1	XP_002661260.2	trinucleotide repeat-containing gene 18 protein
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g14237.t1	XP_003198208.1	tripartite motif-containing protein 16
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g51110.t1	XP_003458184.1	tripartite motif-containing protein 55
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g50301.t1	NP_956005.1	tRNA (cytosine-5)-methyltransferase NSUN2
g50778.t1	XP_003446244.1	t-SNARE domain-containing protein 1
g31545.t1	NP_001002208.1	tubulin polyglutamylase complex subunit 2
g39417.t1	XP_005004102.1	tubulin polyglutamylase TLL11
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g37238.t1	NP_001158515.1	type I interferon 4
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g15052.t1	XP_004942951.1	tyrosine-protein phosphatase non-receptor type 4
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g16626.t1	NP_001116729.1	U5 small nuclear ribonucleoprotein 200 kDa helicase
g39006.t1	XP_003210200.1	u6 snRNA-associated Sm-like protein LSm3
g36975.t1	XP_003438338.1	ubiquitin-associated domain-containing protein 2
yu_Contig7907	NP_001154176.1	UBX domain-containing protein 6
g4513.t1	PF00443.24	UCH
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
g12734.t1	XP_004563698.1	uncharacterized gene 87 protein
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp197486_c0_seq1	XP_005159447.1	uncharacterized LOC100006053
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
alltrinity_comp98724_c0_seq1	XP_001921235.2	uncharacterized LOC100148190
yu_k64:1538490	XP_002666317.2	uncharacterized LOC100331776
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
cdna_CK419724.1	XP_003199520.2	uncharacterized LOC100537499
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
alltrinity_comp195831_c1_seq2	XP_005165796.1	uncharacterized LOC101884075
pac_pacbio_409754118_2/13_1631	XP_005163381.1	uncharacterized LOC101884547
blue_Contig53338.1_13554	XP_005171068.1	uncharacterized LOC101884727
454_FWMSMQA02FJOB	XP_005160982.1	uncharacterized LOC101885928
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
g31492.t1	NP_001185678.1	uncharacterized LOC563012
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
pac_pacbio_411777655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g54097.t1	XP_003455447.1	uncharacterized protein C11orf96
g10120.t1	XP_002661405.1	uncharacterized protein C12orf56
g26140.t1	XP_004542162.1	uncharacterized protein C14orf37
g53806.t1	NP_001013486.1	uncharacterized protein C15orf43
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g43648.t1	XP_689494.2	uncharacterized protein C17orf53
alltrinity_comp202118_c1_seq2	XP_003198822.1	uncharacterized protein C17orf67
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
alltrinity_comp201700_c1_seq1	XP_005162346.1	uncharacterized protein Clorf127
g1769.t1	XP_001341083.1	uncharacterized protein Clorf228
454_FWMSMQA02JX9EO	NP_001188116.1	uncharacterized protein clorf43
g40075.t1	XP_002665834.2	uncharacterized protein C20orf26
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
g4634.t1	AD027960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30

g25342.t1	NP_001187330.1	uncharacterized protein c4orf22
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
g17824.t1	XP_002939054.2	uncharacterized protein C7orf63
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
g51187.t1	NP_001082968.1	uncharacterized protein C8orf34
qifan_comp120236_c0_seq1	XP_002666730.2	uncharacterized protein C8orf59
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
alltrinity_comp1212_c0_seq1	XP_003197967.1	uncharacterized protein DDB_G0292642
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g45381.t1	XP_003449562.1	uncharacterized protein KIAA0564
g3770.t1	094854	Uncharacterized protein KIAA0754
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
yu_k83:856612	XP_005159781.1	uncharacterized protein LOC100000125
g12542.t1	XP_001335880.3	uncharacterized protein LOC100000241
g19234.t1	NP_001091661.1	uncharacterized protein LOC100000539
g46392.t1	NP_001119940.1	uncharacterized protein LOC100000849
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008
g44956.t1	XP_001341146.1	uncharacterized protein LOC100001066
g36202.t1	NP_001107944.2	uncharacterized protein LOC100001353
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
g37352.t1	NP_001091730.1	uncharacterized protein LOC100002334
g9005.t1	NP_001104709.1	uncharacterized protein LOC100002393
g23833.t1	NP_001091731.1	uncharacterized protein LOC100002730
g12149.t1	XP_001342555.1	uncharacterized protein LOC100002885
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
qifan_comp140870_c0_seq3	NP_001191302.1	uncharacterized protein LOC100003708
cdna_abx_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
g41080.t1	XP_001339537.1	uncharacterized protein LOC100005938
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp136584_c0_seq4	XP_001345466.4	uncharacterized protein LOC100006831
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
qifan_comp232627_c0_seq1	XP_005159450.1	uncharacterized protein LOC100034474
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
g33873.t1	NP_001096105.1	uncharacterized protein LOC100124608
g6001.t1	NP_001099159.1	uncharacterized protein LOC100126009
qifan_comp141121_c0_seq3	NP_001107480.1	uncharacterized protein LOC100135331
g24561.t1	NP_001108049.1	uncharacterized protein LOC100136858
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_seq1	NP_001108579.1	uncharacterized protein LOC100141491
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g9189.t1	XP_001920033.3	uncharacterized protein LOC100150699
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g53611.t1	NP_001124134.1	uncharacterized protein LOC100170828
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
g56498.t1	NP_001129460.1	uncharacterized protein LOC100191015
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10637.t1	XP_002168646.2	uncharacterized protein LOC100205358
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621

g26016.t1	XP_003200741.1	uncharacterized protein	LOC100270729
g3590.t1	NP_001158349.1	uncharacterized protein	LOC100304460
g47314.t1	XP_002662443.1	uncharacterized protein	LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein	LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein	LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein	LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein	LOC100330755
g49175.t1	XP_002665776.1	uncharacterized protein	LOC100332023
g8513.t1	XP_002661139.2	uncharacterized protein	LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein	LOC100333943
cdna_FD373143.1	XP_002663814.3	uncharacterized protein	LOC100334068
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein	LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein	LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein	LOC100334658
g24650.t1	XP_002662532.1	uncharacterized protein	LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein	LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein	LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein	LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein	LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein	LOC100485833
cdna_abv_k47:90104	XP_002936147.2	uncharacterized protein	LOC100486038
g15273.t1	XP_002942131.2	uncharacterized protein	LOC100486501
g34329.t1	XP_002933672.2	uncharacterized protein	LOC100488716
g855.t1	XP_002943045.1	uncharacterized protein	LOC100496405
g17900.t1	XP_002933478.1	uncharacterized protein	LOC100497254
g34964.t1	XP_003200192.1	uncharacterized protein	LOC100534794
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein	LOC100535673
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein	LOC100535981
g51279.t1	XP_003201376.1	uncharacterized protein	LOC100536977
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein	LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein	LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein	LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein	LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein	LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein	LOC100594901
qifan_comp151632_c0_seq1	XP_005465712.1	uncharacterized protein	LOC100692678
qifan_comp151014_c1_seq19	XP_005478722.1	uncharacterized protein	LOC100699558
g40404.t1	XP_003452510.1	uncharacterized protein	LOC100701575
g16371.t1	XP_003455299.1	uncharacterized protein	LOC100704554
pac_pacbio_410509076_1/0_7116	XP_005460648.1	uncharacterized protein	LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein	LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein	LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein	LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein	LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein	LOC100888865
g20331.t1	XP_003730216.1	uncharacterized protein	LOC100889615
g49251.t1	XP_003766873.1	uncharacterized protein	LOC100926653
g15861.t1	XP_003761576.1	uncharacterized protein	LOC100934068
g19707.t1	XP_003965524.1	uncharacterized protein	LOC101061263
g50071.t1	XP_003975885.1	uncharacterized protein	LOC101066390
g14779.t1	XP_003978935.1	uncharacterized protein	LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein	LOC101069597
g11330.t1	XP_003965734.1	uncharacterized protein	LOC101075965
g53927.t1	XP_003966923.1	uncharacterized protein	LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein	LOC101077115
g3474.t1	XP_003974398.1	uncharacterized protein	LOC101077889
g39604.t1	XP_003979048.1	uncharacterized protein	LOC101080246
g56113.t1	XP_004067849.1	uncharacterized protein	LOC101156397
454_F04DTS03FUJU9	XP_004071781.1	uncharacterized protein	LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein	LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein	LOC101157037
g49570.t1	XP_004082982.1	uncharacterized protein	LOC101157745
g39224.t1	XP_004068800.1	uncharacterized protein	LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein	LOC101160291
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein	LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein	LOC101161171
g40406.t1	XP_004084962.1	uncharacterized protein	LOC101161776
g2423.t1	XP_004066161.1	uncharacterized protein	LOC101162344
g22383.t1	XP_004085041.1	uncharacterized protein	LOC101163544
g7221.t1	XP_004084042.1	uncharacterized protein	LOC101164525
g33339.t1	XP_004071748.1	uncharacterized protein	LOC101164807
g15217.t1	XP_004081905.1	uncharacterized protein	LOC101165853

qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein	LOC101166008
g56159.t1	XP_004068268.1	uncharacterized protein	LOC101166214
g25280.t1	XP_004072689.1	uncharacterized protein	LOC101166636
g55617.t1	XP_004071892.1	uncharacterized protein	LOC101166720
g41003.t1	XP_004084534.1	uncharacterized protein	LOC101167763
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein	LOC101168115
g21956.t1	XP_004077302.1	uncharacterized protein	LOC101169137
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein	LOC101169968
g19556.t1	XP_004067821.1	uncharacterized protein	LOC101170263
g43159.t1	XP_004085782.1	uncharacterized protein	LOC101170903
g16657.t1	XP_004073017.1	uncharacterized protein	LOC101171419
g22166.t1	XP_004074928.1	uncharacterized protein	LOC101171598
g54688.t1	XP_004080040.1	uncharacterized protein	LOC101171781
g37319.t1	XP_004065664.1	uncharacterized protein	LOC101173036
g23106.t1	XP_004079971.1	uncharacterized protein	LOC101173662
g9026.t1	XP_004083598.1	uncharacterized protein	LOC101174066
g57510.t1	XP_004079033.1	uncharacterized protein	LOC101174375
g32.t1	XP_004085732.1	uncharacterized protein	LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein	LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein	LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein	LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein	LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein	LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein	LOC101175291
g41847.t1	XP_004210951.1	uncharacterized protein	LOC101239087
g28123.t1	XP_004212307.1	uncharacterized protein	LOC101239867
g37421.t1	XP_004423840.1	uncharacterized protein	LOC101408723
g57938.t1	XP_004479893.1	uncharacterized protein	LOC101434616
g31240.t1	XP_004571178.1	uncharacterized protein	LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein	LOC101464885
g19840.t1	XP_004567057.1	uncharacterized protein	LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein	LOC101466341
g32317.t1	XP_004547627.1	uncharacterized protein	LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein	LOC101467081
g6275.t1	XP_004576230.1	uncharacterized protein	LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein	LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein	LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein	LOC101468433
alltrinity_comp195567_c0_seq17	XP_004549109.1	uncharacterized protein	LOC101468782
g22535.t1	XP_004576354.1	uncharacterized protein	LOC101468882
pac_pacbio_410303056_1/12_1413	XP_004567438.1	uncharacterized protein	LOC101468928
g421.t1	XP_004556288.1	uncharacterized protein	LOC101469486
g29034.t1	XP_004567911.1	uncharacterized protein	LOC101470772
g21246.t1	XP_004561254.1	uncharacterized protein	LOC101470938
g48991.t1	XP_004554542.1	uncharacterized protein	LOC101471575
g11331.t1	XP_004568641.1	uncharacterized protein	LOC101471826
g50090.t1	XP_004553623.1	uncharacterized protein	LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein	LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein	LOC101472750
g18068.t1	XP_004568649.1	uncharacterized protein	LOC101474086
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein	LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein	LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein	LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein	LOC101474966
g25744.t1	XP_004555390.1	uncharacterized protein	LOC101478874
g57254.t1	XP_004563100.1	uncharacterized protein	LOC101480034
g20466.t1	XP_004561853.1	uncharacterized protein	LOC101480605
g2050.t1	XP_004549715.1	uncharacterized protein	LOC101480956
g56356.t1	XP_004556965.1	uncharacterized protein	LOC101481070
g35109.t1	XP_004570018.1	uncharacterized protein	LOC101482295
g46364.t1	XP_004552553.1	uncharacterized protein	LOC101483291
g27953.t1	XP_004553401.1	uncharacterized protein	LOC101483377
g40435.t1	XP_004560290.1	uncharacterized protein	LOC101484154
pac_pacbio_410347379_1/15_4458	XP_004567609.1	uncharacterized protein	LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein	LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein	LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein	LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein	LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein	LOC101486153
g28695.t1	XP_004565946.1	uncharacterized protein	LOC101486561
g23041.t1	XP_004682158.1	uncharacterized protein	LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein	LOC101656334

g25216.t1	XP_004920435.1	uncharacterized protein	LOC101732294
g46584.t1	XP_004919127.1	uncharacterized protein	LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein	LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein	LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein	LOC101733751
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein	LOC101733949
g14057.t1	XP_004914926.1	uncharacterized protein	LOC101734213
g29208.t1	XP_004913230.1	uncharacterized protein	LOC101734441
g57327.t1	XP_004950430.1	uncharacterized protein	LOC101749869
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein	LOC101882211
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein	LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein	LOC101883546
ncbimrna_375865495	XP_005157502.1	uncharacterized protein	LOC101884208
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein	LOC101884337
pac_pacbio_411880460_1/68_3063	XP_005167244.1	uncharacterized protein	LOC101886427
blue_Contig72773.1_13489	XP_005161692.1	uncharacterized protein	LOC101887055
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein	LOC102057050
qifan_comp85056_c0_seq1	XP_005450678.1	uncharacterized protein	LOC102076367
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein	LOC102076945
pac_pacbio_409416641_1/119_2180	XP_005450860.1	uncharacterized protein	LOC102077391
blue_Contig85318.1_14523	XP_005466659.1	uncharacterized protein	LOC102078152
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein	LOC102078762
pac_pacbio_409643086_1/10_5139	XP_005466369.1	uncharacterized protein	LOC102080911
pac_pacbio_412372638_2/0_2381	XP_005457242.1	uncharacterized protein	LOC102081353
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein	LOC102081513
pac_pacbio_410073501_2/10_3640	XP_005466079.1	uncharacterized protein	LOC102082168
alltrinity_comp207891_c0_seq5	XP_005451783.1	uncharacterized protein	LOC102082977
blue_Contig43739.1_7430	XP_005466641.1	uncharacterized protein	LOC102083163
qifan_comp200420_c0_seq1	XP_005741295.1	uncharacterized protein	LOC102194460
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein	LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein	LOC102205394
alltrinity_comp121194_c0_seq3	XP_005722490.1	uncharacterized protein	LOC102209022
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein	LOC102213288
blue_Contig85669.1_12188	XP_005813273.1	uncharacterized protein	LOC102220987
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein	LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein	LOC102297288
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein	LOC102312885
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein	LOC102361873
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein	LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein	LOC102698607
pac_pacbio_411813263_2/13_1292	XP_006810778.1	uncharacterized protein	LOC102775714
yu_Contig16232	XP_006787829.1	uncharacterized protein	LOC102780396
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein	LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein	LOC303479
g42142.t1	NP_954967.1	uncharacterized protein	LOC321250
g3038.t1	XP_001921014.3	uncharacterized protein	LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein	LOC327494
g34986.t1	NP_001074455.1	uncharacterized protein	LOC335834
g18398.t1	NP_997943.1	uncharacterized protein	LOC337459
g27722.t1	XP_003199962.1	uncharacterized protein	LOC368429
g28662.t1	XP_002664218.1	uncharacterized protein	LOC368914
g37316.t1	NP_956824.1	uncharacterized protein	LOC393502
g49472.t1	NP_957093.1	uncharacterized protein	LOC393772
g37740.t1	NP_001004593.1	uncharacterized protein	LOC447854
g25407.t1	NP_001124069.1	uncharacterized protein	LOC492631
g761.t1	NP_001013318.1	uncharacterized protein	LOC503706
g56347.t1	NP_001017586.1	uncharacterized protein	LOC550248
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein	LOC552925
g14601.t1	NP_001018548.1	uncharacterized protein	LOC553741
g33471.t1	NP_001018552.1	uncharacterized protein	LOC553745
alltrinity_comp196058_c0_seq3	NP_001018555.1	uncharacterized protein	LOC553748
g43769.t1	NP_001018599.1	uncharacterized protein	LOC553801
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein	LOC555281
g39957.t1	NP_001037797.1	uncharacterized protein	LOC555399
alltrinity_comp209129_c0_seq1	NP_001121804.1	uncharacterized protein	LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein	LOC555734
g43484.t1	NP_001139031.1	uncharacterized protein	LOC555790
g6461.t1	NP_001070610.1	uncharacterized protein	LOC556036
alltrinity_comp208335_c1_seq1	NP_001121707.1	uncharacterized protein	LOC556245
g41211.t1	NP_001038267.2	uncharacterized protein	LOC556372
g12341.t1	NP_001077293.2	uncharacterized protein	LOC556440
g21903.t1	XP_685328.3	uncharacterized protein	LOC557223

alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein	LOC557488
g19747.t1	NP_001188459.1	uncharacterized protein	LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein	LOC557813
g36781.t1	XP_686230.2	uncharacterized protein	LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein	LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein	LOC558116
g45140.t1	XP_686699.4	uncharacterized protein	LOC558404
g29209.t1	NP_001121713.1	uncharacterized protein	LOC558435
g39751.t1	NP_001020674.1	uncharacterized protein	LOC558894
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein	LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein	LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein	LOC559137
g50501.t1	NP_001124245.1	uncharacterized protein	LOC559801
qifan_comp94105_c1_seq1	NP_001122173.1	uncharacterized protein	LOC560193
g56029.t1	XP_707530.2	uncharacterized protein	LOC560245
yu_Contig14664	NP_001116733.1	uncharacterized protein	LOC561637
g49915.t1	NP_001020690.2	uncharacterized protein	LOC562128
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein	LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein	LOC564457
g44359.t1	NP_001185682.1	uncharacterized protein	LOC564862
alltrinity_comp196688_c0_seq25	XP_693489.5	uncharacterized protein	LOC565101
g57146.t1	XP_706335.2	uncharacterized protein	LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein	LOC565190
g38032.t1	NP_001139059.1	uncharacterized protein	LOC565246
g16214.t1	NP_001070637.1	uncharacterized protein	LOC565601
g53525.t1	NP_001099060.1	uncharacterized protein	LOC565650
g57641.t1	NP_001122200.1	uncharacterized protein	LOC565664
g35777.t1	NP_001188341.1	uncharacterized protein	LOC566307
g43191.t1	XP_694702.1	uncharacterized protein	LOC566338
g39612.t1	NP_001122013.1	uncharacterized protein	LOC567472
g34344.t1	XP_695963.2	uncharacterized protein	LOC567573
g48876.t1	XP_706429.2	uncharacterized protein	LOC567989
g34265.t1	NP_001116758.1	uncharacterized protein	LOC568003
g24165.t1	NP_001121820.1	uncharacterized protein	LOC568178
g18368.t1	NP_001116762.1	uncharacterized protein	LOC568385
g6989.t1	NP_001124262.1	uncharacterized protein	LOC568410
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein	LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein	LOC568476
g27434.t1	NP_001073507.1	uncharacterized protein	LOC568780
g13669.t1	NP_001103295.1	uncharacterized protein	LOC569067
g49449.t1	XP_002662821.2	uncharacterized protein	LOC569661
g29942.t1	XP_698250.3	uncharacterized protein	LOC569751
g45355.t1	NP_001116771.1	uncharacterized protein	LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein	LOC570021
g48839.t1	NP_001013590.1	uncharacterized protein	LOC570187
g34312.t1	NP_001116786.1	uncharacterized protein	LOC570575
g34577.t1	NP_001073522.1	uncharacterized protein	LOC571389
yu_Contig6953	XP_700508.5	uncharacterized protein	LOC571789
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein	LOC571915
g40175.t1	NP_001076347.1	uncharacterized protein	LOC572032
g54526.t1	XP_795564.3	uncharacterized protein	LOC590884
g55412.t1	XP_796845.3	uncharacterized protein	LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein	LOC619272
g43904.t1	XP_001147850.2	uncharacterized protein	LOC743753
g37351.t1	NP_001038906.1	uncharacterized protein	LOC751731
g8283.t1	XP_001233307.2	uncharacterized protein	LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein	LOC771917
g40074.t1	NP_001072512.1	uncharacterized protein	LOC779967
g30647.t1	NP_001116774.1	uncharacterized protein	LOC791449
g20244.t1	XP_001332206.1	uncharacterized protein	LOC792639
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein	LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein	LOC794385
g54541.t1	XP_001333103.1	uncharacterized protein	LOC794824
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein	LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein	LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein	LOC796019
g8416.t1	XP_001335286.1	uncharacterized protein	LOC797003
g36422.t1	XP_001334757.3	uncharacterized protein	LOC797129
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein	LOC797776
g17874.t1	NP_001122275.1	uncharacterized protein	LOC798684
g22427.t1	NP_001106814.1	uncharacterized protein	LOC799508
g55502.t1	XP_003456411.1	uncharacterized protein	MGC39606

g7702.t1	096185	Uncharacterized protein PFB0460c
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
yu_Contig3053	XP_001345180.4	uncharacterized protein si:ch211-261d7.4
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-10613.7
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-121i2.1
qifan_comp136584_c0_seq1	XP_001923739.2	uncharacterized protein si:dkey-182j1.6
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
cdna_FD023915.1	XP_001337059.3	uncharacterized protein si:dkey-87o1.2
yu_Contig16052	XP_002661155.1	uncharacterized protein si:dkey-93n13.2
alltrinity_comp197657_c0_seq1	XP_697773.3	uncharacterized protein si:dkey-98j1.5
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
skin_comp25099_c0_seq1	XP_005171537.1	uncharacterized protein si:dkeyp-68b7.10
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
alltrinity_comp182925_c0_seq1	CBN80909.1	Uncharacterized protein l_n
g43673.t1	XP_004576558.1	uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
g51491.t1	Q6NWB6	Unique cartilage matrix-associated protein
qifan_comp181544_c0_seq1	AAI33100.1	Unknown (protein for IMAGE:6523990)
g20175.t1	AAI68513.1	Unknown (protein for IMAGE:6962011)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g1042.t1	CAF89551.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
pac_pacbio_411251993_1/12_1808	CAG02552.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
alltrinity_comp184019_c0_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
g27301.t1	AC013394.1	UNQ1940/PRO4423
g8227.t1	XP_004547440.1	UPF0444 transmembrane protein C12orf23
g36989.t1	NP_001119939.1	UPF0524 protein C3orf70 homolog A
g53757.t1	NP_001002512.1	UPF0547 protein C16orf87
g25743.t1	XP_004570228.1	UPF0556 protein C19orf10
56_ccaa	AD028726.1	upf0608 protein c19orf42
g5754.t1	NP_001257406.1	UPF0632 protein A
qifan_comp44076_c0_seq1	NP_001035077.1	UPF0693 protein C10orf32
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
g39548.t1	NP_001093491.2	UPF0722 protein C11orf88
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein Clorf227
g35986.t1	NP_001187816.1	upper zone of growth plate and cartilage matrix associated
qifan_comp125258_c0_seq1	NP_001186962.1	up-regulated during skeletal muscle growth protein 5
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g13373.t1	XP_004937023.1	uro-adherence factor A
g18573.t1	NP_001076423.1	urocortin-3
g20036.t1	XP_696200.4	uromodulin-like 1
g53242.t1	NP_001027901.1	uronyl 2-sulfotransferase
g10356.t1	XP_697435.4	Usherin
g4939.t1	NP_001189353.1	vacuolar ATPase assembly integral membrane protein vma21
g15756.t1	AAH63954.1	Vacuolar protein sorting 37A
qifan_comp180096_c0_seq1	XP_006643024.1	vacuolar protein sorting-associated protein VTA1
g21559.t1	Q8AXB3.1	Vascular endothelial growth factor receptor kdr
g35268.t1	AF070133.1	vasotocin neurophysin
g1574.t1	AAI34000.1	Vcl protein
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
qifan_comp171075_c0_seq1	XP_003455798.2	vesicular, overexpressed in cancer, prosurvival protein 1
g31649.t1	NP_001025415.3	vessel-specific 1
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g15797.t1	XP_003961231.1	vinculin
g54890.t1	XP_004068786.1	voltage-dependent calcium channel subunit alpha-2/delta-2
g11263.t1	NP_001106991.1	voltage-dependent L-type calcium channel subunit beta-4
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A

g7241.t1	XP_001919393.3	voltage-dependent R-type calcium channel subunit alpha-1E
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g30214.t1	XP_003454581.1	voltage-gated potassium channel subunit beta-2
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g37134.t1	XP_004065707.1	VPS10 domain-containing receptor SorCS1
g39367.t1	XP_002662899.2	VPS10 domain-containing receptor SorCS2
g37107.t1	XP_003454687.1	VPS10 domain-containing receptor SorCS3
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g31085.t1	XP_003967234.1	WAP four-disulfide core domain protein 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g11377.t1	XP_003963749.1	WD repeat-containing protein 11
g57616.t1	XP_002165234.2	WD repeat-containing protein 65
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g37525.t1	XP_002667373.1	WD repeat-containing protein 7
cdna_aby_k59:928957	AD028544.1	WD repeat-containing protein 73
g25429.t1	XP_003198683.1	whirlin
g41155.t1	NP_001166972.1	Wolf-Hirschhorn syndrome candidate 2
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g18867.t1	XP_003437601.1	xaa-Pro dipeptidase
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
g20578.t1	XP_003200650.1	XK-related protein 8
g6928.t1	XP_002666640.1	x-linked retinitis pigmentosa GTPase regulator-interacting protein 1
cdna_cic_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yael_N
g21977.t1	AC008878.1	YIPF3
g22898.t1	AAI52526.1	Zechc71 protein
g23363.t1	XP_003584210.1	zeta-sarcoglycan
g20237.t1	PF00098.18	zF-CCHC
g36512.t1	PF10601.4	zF-LITAF
g26825.t1	AAI55809.1	Zgc:110694 protein
qifan_comp175963_c0_seq1	XP_005162501.1	zgc:112994
g9.t1	AAI42906.1	Zgc:123178 protein
g6476.t1	AAI16598.1	Zgc:136585
g10677.t1	AAH90183.1	Zgc:158151 protein
g38680.t1	AAI34162.1	Zgc:162945 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
g24297.t1	AAH66390.1	Zgc:65774
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
g10490.t1	XP_002943251.2	zinc finger BED domain-containing protein 1
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g39584.t1	NP_001017401.1	zinc finger HIT domain-containing protein 1
g37907.t1	XP_004080457.1	zinc finger MIZ domain-containing protein 1
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
g39755.t1	XP_687028.2	zinc finger protein 184
g53588.t1	Q62394	Zinc finger protein 185
qifan_comp97580_c0_seq1	NP_001071004.1	zinc finger protein 185 (LIM domain)
g43453.t1	XP_001340263.3	zinc finger protein 192
g53020.t1	XP_004569526.1	zinc finger protein 235
g56.t1	XP_698650.1	zinc finger protein 251
g11962.t1	ELK38750.1	Zinc finger protein 300
g5594.t1	NP_001108045.1	zinc finger protein 341
g26503.t1	XP_001342735.1	zinc finger protein 350
g29977.t1	XP_001921750.2	zinc finger protein 385A
g24201.t1	XP_003963411.1	zinc finger protein 512B
g54018.t1	XP_693857.3	zinc finger protein 536
g23369.t1	Q9UEG4	Zinc finger protein 629
g48769.t1	NP_001038383.2	zinc finger protein 704
g40252.t1	XP_003455943.1	zinc finger protein 729

g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g40217.t1	XP_003725582.1	zinc finger protein 862
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g2134.t1	NP_001104639.1	zinc finger protein DPF3
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g40620.t1	Q8WW38	Zinc finger protein ZFPM2
g10976.t1	NP_001034613.1	zinc finger protein, multitype 2b
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g9904.t1	XP_004077654.1	zinc finger with UFM1-specific peptidase domain
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g12278.t1	ACN10455.1	Zinc phosphodiesterase ELAC protein 2
g22005.t1	NP_001187614.1	zinc transporter zip11
g54687.t1	AGE89832.1	znf219
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwillig B
qifan_comp38323_c0_seq2	XP_004073800.1	zymogen granule membrane protein 16

Supplemental table 27. Catfish specific genes compared to medaka

id	access number	Description
g16316.t1	NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
g56211.t1	NP_001038861.1	28S ribosomal protein S9, mitochondrial
g24128.t1	NP_001188240.1	3-hydroxyanthranilate 34-dioxygenase
g26916.t1	XP_003388527.1	52 kDa repressor of the inhibitor of the protein kinase
g49412.t1	NP_001187620.1	5-formyltetrahydrofolate cyclo-ligase
g38120.t1	NP_001017843.1	8-oxo-dGDP phosphatase NUDT18
g25180.t1	XP_700384.2	A disintegrin and metalloproteinase with thrombospondin motifs 2
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein sla1
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g37028.t1	A0JME2.2	Activating transcription factor 7-interacting protein 1
g3551.t1	XP_003974239.1	acyl-CoA-binding domain-containing protein 6
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g49652.t1	NP_001187460.1	acylphosphatase-2
g54207.t1	NP_001187418.1	adenine phosphoribosyltransferase
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g55843.t1	ACB72735.1	adenylsuccinate lyase
g16423.t1	Q25460	Adhesive plaque matrix protein
g16043.t1	BAG24411.1	adrenomedullin 5
g39916.t1	XP_686655.4	afadin
g18508.t1	NP_001139033.1	aftriphilin
g12929.t1	P07898	Aggrecan core protein
g30133.t1	NP_001170923.1	agrin
g12954.t1	NP_001091654.1	A-kinase anchor protein 12
g49471.t1	XP_003198954.1	a-kinase anchor protein 13
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g56910.t1	NP_001191129.1	A-kinase anchor protein 2
g44045.t1	XP_001919948.2	a-kinase anchor protein 6
g12286.t1	Q9P0M2	A-kinase anchor protein 7
g11755.t1	XP_003452555.1	A-kinase anchor protein 9
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g45262.t1	NP_956407.1	alkyldihydroxyacetonephosphate synthase, peroxisomal
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g9139.t1	XP_001923689.3	alpha-L-iduronidase
g11109.t1	XP_004674152.1	amine sulfotransferase
g12732.t1	XP_004560540.1	amyloid protein 2
g871.t1	BAF93906.1	amylopullulanase
yu_Contig5761	XP_005173492.1	anaphase-promoting complex subunit 15
g55434.t1	AAM09278.1	androgen receptor
pac_pacbio_411446684_2/55_2788	XP_005726648.1	angiogenin
alltrinity_comp207889_c0_seq4	NP_001187912.1	angiogenin-3
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g28416.t1	NP_001093487.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g48222.t1	XP_004553762.1	ankyrin repeat domain-containing protein 50
g48408.t1	NP_001007295.1	ankyrin repeat domain-containing protein 9
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
yu_Contig25459	AC15894.1	apolipoprotein C-I
qifan_comp131209_c0_seq1	XP_691110.1	apolipoprotein C-II
g12007.t1	BAA00422.1	apopolysialoglycoprotein
g10452.t1	EMP31774.1	Aprataxin and PNK factor
g36566.t1	CBN81240.1	Archaemetzincin-2
g56162.t1	Q6NRL1	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
g41399.t1	XP_004542863.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3
g35727.t1	O97902	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1
g36773.t1	NP_001070067.1	armadillo repeat containing 7
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g49404.t1	AAT70730.1	aryl hydrocarbon receptor nuclear translocator 2b
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g29600.t1	XP_003975592.1	astrotactin-1
g35207.t1	XP_004662740.1	astrotactin-2
g25830.t1	XP_004554962.1	ATP synthase subunit delta, mitochondrial
alltrinity_comp348165_c0_seq1	XP_003229036.1	ATP synthase subunit epsilon, mitochondrial
g26084.t1	XP_002667471.2	ATPase family AAA domain-containing protein 2
g55643.t1	XP_002667161.1	ATPase SWSAP1
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12

g16843.t1	XP_002667519.1	ATP-binding cassette sub-family F member 3
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g10914.t1	XP_003199806.1	AT-rich interactive domain-containing protein 4B
g36311.t1	XP_003199620.1	AT-rich interactive domain-containing protein 5B
g38944.t1	NP_001038332.1	ATR-interacting protein
g56197.t1	NP_001017697.1	augurin-A
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
alltrinity_comp155303_c0_seq1	NP_001188371.1	avidin
yu_Contig12861	XP_005943909.1	AVIToxin-VAR2
cdna_clc_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g58105.t1	NP_001029355.1	BAG family molecular chaperone regulator 5
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g5279.t1	NP_001082932.1	Bardet-Biedl syndrome 10
g25932.t1	XP_003200724.1	barttin
g10579.t1	XP_001919171.2	b-cell receptor CD22
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g8748.t1	NP_991189.1	BCL-6 corepressor
g19457.t1	AAI63892.1	Bcor protein
g45968.t1	EHB16504.1	Beclin-1
g42453.t1	NP_001139063.1	BEN domain-containing protein 3
g27926.t1	XP_004545868.1	BEN domain-containing protein 4
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g37348.t1	XP_695597.1	bestrophin-2
g24377.t1	NP_001121857.1	beta-1,4-galactosyltransferase 2
g30053.t1	Q9JJN6	Beta-catenin-interacting protein 1
qifan_comp181481_c0_seq1	AGZ03658.1	beta-defensin 3
alltrinity_comp204523_c0_seq2	ACO13654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	ABI18126.1	Bid
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
qifan_comp151466_c0_seq7	XP_005722886.1	bioorientation of chromosomes in cell division protein 1-like 1
g29331.t1	XP_003446525.1	bis(5'-adenosyl)-triphosphatase
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g45157.t1	NP_001034896.1	bone morphogenetic protein receptor type-2
g15472.t1	Q1RMO9	Brain acid soluble protein 1
g58064.t1	PF13882.1	Bravo_FIGFY
g38526.t1	XP_003200939.1	BRCA1-A complex subunit RAP80
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52650.t1	NP_956916.1	breast carcinoma amplified sequence 3
g44361.t1	XP_693134.1	bromo adjacent homology domain-containing 1 protein
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g53505.t1	XP_004541039.1	BTB/POZ domain-containing protein KCTD8
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g12986.t1	XP_002662035.2	butyrophilin protein 2
g23101.t1	XP_003198101.1	butyrophilin subfamily 1 member A1
g41330.t1	NP_001134905.1	Butyrophilin subfamily 2 member A2
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g57708.t1	XP_001919229.3	CAAX prenyl protease 2
g33993.t1	XP_001922712.3	cadherin EGF LAG seven-pass G-type receptor 3
g31105.t1	XP_687082.5	cadherin-13
g25960.t1	NP_571156.2	cadherin-2
g42658.t1	XP_003441261.1	cadherin-23
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g4802.t1	ADO27941.1	calcium channel flower
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g8807.t1	XP_003451276.1	calcium-transporting ATPase type 2C member 1
g3133.t1	XP_002939992.1	calcyphosin-2
g58264.t1	XP_001337136.2	calmodulin-lysine N-methyltransferase
g45866.t1	XP_003964885.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
g46964.t1	XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g18141.t1	NP_001032198.1	carbonic anhydrase-related protein 10
g46852.t1	XP_002662526.2	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban

g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g35971.t1	NP_957360.1	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1
g202.t1	AAI46743.1	Casp1 protein
qifan_comp208517_c0_seq1	AAG45230.1	Caspy2
g37606.t1	NP_001180580.1	catenin delta-2
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g42472.t1	NP_001134846.1	CB050 protein
g37481.t1	XP_004549685.1	CBP80/20-dependent translation initiation factor
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g57385.t1	NP_001187124.1	CC chemokine SCYA112
g42257.t1	ABA54962.1	CC chemokine SCYA115
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
alltrinity_comp193621_c4_seq1	XP_005159829.1	CD164 sialomucin-like 2 protein
qifan_comp110584_c0_seq2	BAL63125.1	CD2 family receptor
g7760.t1	XP_004539421.1	CD209 antigen
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
172_ccaa	ACN96560.1	CD3 gamma/delta
g54092.t1	XP_001922491.1	CD44 antigen
yu_Contig21671	NP_001187165.1	CD79a
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g11325.t1	XP_003443757.1	CDK5 regulatory subunit-associated protein 1-like 1
g12467.t1	NP_001038757.2	cell death regulator aven
alltrinity_comp199927_c0_seq1	XP_005173542.1	cell division cycle-associated protein 3
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g19678.t1	XP_001343147.2	cell surface A33 antigen
qifan_comp137693_c0_seq1	XP_003199235.2	cell surface glycoprotein CD200 receptor 1-A
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
alltrinity_comp209178_c0_seq3	XP_001920764.4	cell wall protein DAN4
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g2747.t1	A2AM05	Centlein
g26699.t1	XP_004558339.1	centriolar coiled-coil protein of 110 kDa
g47529.t1	XP_001919236.3	centriolin
g20772.t1	NP_001107081.1	centromere protein H
g16995.t1	XP_697409.4	centromere protein J
yu_Contig20690	XP_709181.2	centromere protein W
qifan_comp202954_c0_seq1	XP_002661323.1	centromere protein X
g20801.t1	XP_004384364.1	centrosomal protein of 104 kDa
g31847.t1	XP_003452178.1	centrosomal protein of 192 kDa
alltrinity_comp197052_c2_seq4	XP_005169029.1	centrosomal protein of 89 kDa
g51176.t1	XP_004915227.1	centrosome and spindle pole-associated protein 1
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g23314.t1	XP_003449362.1	cGMP-dependent 3',5'-cyclic phosphodiesterase
g5140.t1	XP_691883.3	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
g33242.t1	3CQO_A	Chain A, Crystal Structure Of A F-Lectin (Fucolectin) From Morone Saxatilis (Striped Bass) Serum
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g4950.t1	1N9J_L	Chain L, Cocaine Hydrolytic Antibody 15a10
g22630.t1	NP_001107067.1	chemokine (C-C motif) ligand 20
qifan_comp131006_c0_seq1	BAF98240.1	chemokine CCL-C25a
g5292.t1	XP_002662920.1	chemokine factor
179_ccaa	ABD85495.1	chemokine-like factor superfamily 8
g29247.t1	BAJ51754.1	chitinase 2
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g8415.t1	XP_704780.3	chondroitin sulfate proteoglycan 5
g44608.t1	XP_706416.1	chromosomal protein D1
g56888.t1	CAJ97442.1	ciliary neurotrophic factor receptor
g820.t1	EMC77153.1	Class A basic helix-loop-helix protein 9
g22146.t1	XP_004573943.1	c-Maf-inducing protein
g46748.t1	XP_003197821.1	CMRF35-like molecule 1
g21385.t1	NP_001187716.1	C-Myc-binding protein
g20792.t1	NP_998418.1	COBW domain containing
g24924.t1	NP_001007409.1	coiled-coil domain containing 114
g14512.t1	NP_001089412.1	coiled-coil domain containing 138
g31797.t1	NP_001070837.2	coiled-coil domain containing 151
g47640.t1	XP_004828389.1	coiled-coil domain containing 180
g36807.t1	NP_001188491.1	coiled-coil domain containing 57
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 103

g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
g38240.t1	NP_001038595.2	coiled-coil domain-containing protein 11
g49863.t1	NP_001006061.1	coiled-coil domain-containing protein 113
g24168.t1	XP_004544675.1	coiled-coil domain-containing protein 117
g14077.t1	NP_001091652.1	coiled-coil domain-containing protein 125
yu_Contig12652	XP_005452005.1	coiled-coil domain-containing protein 138
g9791.t1	NP_001076522.1	coiled-coil domain-containing protein 146
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g28431.t1	XP_004544760.1	coiled-coil domain-containing protein 157
g34576.t1	XP_003924188.1	coiled-coil domain-containing protein 158
blue_Contig81311.1_8500	XP_005990428.1	coiled-coil domain-containing protein 160
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
g39833.t1	NP_001020655.2	coiled-coil domain-containing protein 167
qifan_comp145183_c0_seq5	XP_001341200.4	coiled-coil domain-containing protein 17
g41418.t1	XP_001334826.3	coiled-coil domain-containing protein 178
g40377.t1	NP_001014330.1	coiled-coil domain-containing protein 24
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
yu_Contig3450	NP_001039310.1	coiled-coil domain-containing protein 34
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g33966.t1	A7S8T5	Coiled-coil domain-containing protein 42
g55492.t1	NP_001092719.1	coiled-coil domain-containing protein 46
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g51645.t1	Q6DFC2	Coiled-coil domain-containing protein 77
g3420.t1	Q1LX29.2	Coiled-coil domain-containing protein 79
g18730.t1	EMP35025.1	Coiled-coil domain-containing protein 81
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g40624.t1	XP_004763581.1	coiled-coil domain-containing protein 83
g43982.t1	XP_003200359.1	coiled-coil domain-containing protein C6orf97
qifan_comp167878_c0_seq1	NP_001076283.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 1
g46290.t1	XP_004559632.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 5
skin_comp42217_c0_seq1	NP_001187882.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 7
g34272.t1	NP_001187666.1	collipase
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g28667.t1	XP_697241.3	collagen alpha-1(XVII) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g57795.t1	Q99MQ5	Collagen alpha-1(XXV) chain
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g10582.t1	P27393	Collagen alpha-2(IV) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
yu_k50:2938043	NP_001092229.1	complex III assembly factor LYRM7
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g13094.t1	XP_002771495.1	conserved hypothetical protein
g56330.t1	XP_001349472.1	conserved Plasmodium membrane protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g40099.t1	NP_001020712.2	consortin, connexin sorting protein b
g53343.t1	XP_003386867.1	copine-8
59_ccaa	ADO28627.1	copper transport protein atox1
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g51109.t1	Q9PTS1	Corticoliberin
g30778.t1	NP_001002614.1	COX assembly mitochondrial protein 2
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g14948.t1	XP_003978668.1	CST complex subunit CTC1
g3522.t1	NP_956605.1	CTAGE family, member 5
g32285.t1	XP_003198883.1	CTTNBP2 N-terminal-like protein
g50715.t1	XP_004560147.1	CUB domain-containing protein 1
yu_k81:462410	NP_001158556.1	CX04A protein
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
qifan_comp141134_c0_seq2	XP_005165469.1	C-X-C motif chemokine 11
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g6897.t1	NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
qifan_comp284549_c0_seq1	NP_001082834.1	cyclin-D1-binding protein 1
101_ccaa	AHH38127.1	Cyclin-dependent kinases regulatory subunit 1
g45526.t1	NP_001070188.1	cyclin-Y-like protein 1
g44200.t1	AAI62591.1	Cysteine rich transmembrane BMP regulator 1 (chordin like)
g12907.t1	ELK14124.1	Cysteine-rich motor neuron 1 protein
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
g40820.t1	ADO29002.1	cytochrome b5 domain-containing protein 1
57_ccaa	ADO28717.1	cytochrome b-c1 complex subunit 9
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
36_ccaa	ADO29266.1	cytochrome c oxidase subunit 6c-1
g33649.t1	ADK22855.1	cytokine receptor family member b16
yu_Contig11737	Q6DC53.2	Cytoplasmic tRNA 2-thiolation protein 2

g33592.t1	XP_692712.4	cytoskeletal protein Sojo
g35568.t1	XP_697274.2	cytoskeleton-associated protein 2
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
g8392.t1	XP_692458.2	cytospin-A
g39425.t1	XP_690827.4	cytospin-B
yu_k56:2035505	NP_001187144.1	DAP10
g57036.t1	XP_004574349.1	dapper homolog 1
g12893.t1	XP_001340996.1	dapper homolog 3
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g19818.t1	NP_001038671.1	DBH-like monooxygenase protein 1
g34660.t1	XP_683798.2	DC-STAMP domain-containing protein 1
g30928.t1	PF13358.1	DDE_3
g40936.t1	XP_003199045.1	death domain-containing protein 1
g51051.t1	NP_571647.1	death-associated protein 1
g44957.t1	ADO28237.1	death-associated protein-like 1-b
g42460.t1	Q5U2R1	Decaprenyl-diphosphate synthase subunit 2
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g20849.t1	XP_689212.5	DENN domain-containing protein 1A
g22472.t1	XP_003978398.1	DENN domain-containing protein 1C
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
g23643.t1	EMP37316.1	Dexamethasone-induced protein like protein
g3854.t1	XP_002194473.2	diacylglycerol kinase theta
g53629.t1	ABI79462.1	diaphanous 2
g43883.t1	XP_003442885.1	diphthine--ammonia ligase
g35636.t1	XP_003455577.1	disabled homolog 2-interacting protein
g44424.t1	XP_002807520.1	disintegrin and metalloproteinase domain-containing protein 12
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g17889.t1	NP_999893.1	disks large homolog 4
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g8015.t1	XP_003200811.1	DNA (cytosine-5)-methyltransferase 3A
g22736.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g35938.t1	XP_002937585.2	DNA helicase B
g43316.t1	XP_004554609.1	DNA nucleotidylxotransferase
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g50305.t1	XP_686065.4	DNA polymerase sigma
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g4775.t1	XP_003201314.1	DNA repair protein XRCC2
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g31412.t1	NP_001103954.1	dolichol kinase
378_ccaa	ADO28725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g25308.t1	ADM07317.1	doublesex and mab-3 related transcription factor 1
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g36942.t1	ADO27784.1	dpcc
skin_comp53432_c0_seq2	NP_001153296.1	DPH3
alltrinity_comp204129_c0_seq12	XP_006630963.1	DPY30 domain-containing protein 1
g52531.t1	AAH95826.1	Dre1 protein
g52014.t1	O09112	Dual specificity protein phosphatase 8
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
yu_Contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g5508.t1	NP_001120940.1	dynein regulatory complex protein 1
g42831.t1	XP_002664120.2	dystonin
g56136.t1	AAI62536.1	Dzip1 protein
g11062.t1	NP_001187443.1	e3 sumo-protein ligase nse2
g24915.t1	ELW61602.1	E3 ubiquitin/ISG15 ligase TRIM25
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g49917.t1	XP_001923094.2	E3 ubiquitin-protein ligase Hakai
g2715.t1	O95714	E3 ubiquitin-protein ligase HERC2
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g33285.t1	XP_003199987.1	e3 ubiquitin-protein ligase RNF130
g38544.t1	NP_956721.1	E3 ubiquitin-protein ligase Siah2
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g11445.t1	XP_003456672.1	E3 ubiquitin-protein ligase TRIM9

g49877.t1	NP_957164.1	E3 ubiquitin-protein ligase znrf1
alltrinity_comp206249_c0_seq2	XP_684807.6	E3 ubiquitin-protein ligase ZNRF3
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26237.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
g19209.t1	NP_001017812.1	EF-hand calcium-binding domain-containing protein 11
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
alltrinity_comp200599_c0_seq4	XP_006633160.1	EF-hand calcium-binding domain-containing protein 6
g39017.t1	XP_003762505.1	EF-hand domain-containing protein C3orf25 homolog
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp73008_c0_seq1	XP_003199438.1	EKC/KEOPS complex subunit LAGE3
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g1750.t1	XP_003970691.1	elongation of very long chain fatty acids protein 6
g9587.t1	XP_001341991.2	endothelin-converting enzyme 2
g27683.t1	XP_001922506.1	ensconsin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g243.t1	ABB52638.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g38391.t1	NP_990515.1	ephrin-A5
skin_comp60129_c0_seq2	XP_005168018.1	epithelial-stromal interaction protein 1
g4542.t1	XP_001334908.4	epsin-3
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g44865.t1	ACO08974.1	Esophageal cancer related gene 4 protein
g12959.t1	NP_001187003.1	estrogen receptor
g18410.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g25715.t1	XP_694490.4	eukaryotic translation initiation factor 4 gamma 3
g36350.t1	XP_004570426.1	exocyst complex component 6
g38309.t1	XP_004540794.1	exonuclease 3'-5' domain-containing protein 1
g24304.t1	NP_001121702.1	exportin-7
g17725.t1	XP_004913233.1	extensin
g35434.t1	XP_004544072.1	extracellular calcium-sensing receptor
g6236.t1	NP_001134258.1	FAM100A
g46879.t1	NP_001187587.1	fam183a
alltrinity_comp198906_c0_seq2	XP_005739109.1	Fanconi anemia group A protein
g38111.t1	NP_001035725.1	Fanconi anemia, complementation group A
g34354.t1	NP_001035727.1	Fanconi anemia, complementation group C
g34357.t1	PF02106.10	Fanconi_C
g23124.t1	Q1LWH4.2	Fanconi-associated nuclease 1
g35826.t1	NP_001038614.1	F-box only protein 18
g56461.t1	NP_001070215.1	F-box only protein 36
g6000.t1	ADO28378.1	f-box only protein 48
g28094.t1	NP_001038863.1	F-box protein 36b
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g33391.t1	NP_001187145.1	FcR gamma subunit
g9458.t1	XP_001920056.1	FH2 domain-containing protein 1
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
yu_Contig6357	XP_006632574.1	fibrous sheath-interacting protein 1
g58004.t1	YP_123587.1	FimV protein
g42043.t1	ACI69960.1	FLJ25371
g14379.t1	NP_001139090.1	folliculin-interacting protein 2
g33364.t1	ELW62064.1	Foot protein 1
g54810.t1	ACJ36222.1	forkhead box P1b
g6622.t1	XP_001922856.1	forkhead box protein K2
g16594.t1	XP_694795.5	formin 2
qifan_comp133841_c0_seq1	XP_001332860.3	FOS-like antigen 1b
g54721.t1	XP_002662654.1	fucolectin-1
qifan_comp146158_c0_seq1	NP_001188353.1	FXYD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
g29356.t1	XP_001919894.2	FYVE, RhoGEF and PH domain-containing protein 5
g39700.t1	NP_001093450.1	FYVE, RhoGEF and PH domain-containing protein 6
g38823.t1	Q6ZVF9	G protein-regulated inducer of neurite outgrowth 3
g34959.t1	NP_001182171.1	g6f
g13782.t1	XP_002133577.1	GA22973
g43639.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
qifan_comp52895_c0_seq1	XP_005163007.1	galaxin
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g9788.t1	XP_001923138.2	gamma-secretase-activating protein
g36640.t1	NP_001140110.1	Gap junction beta-5 protein
g6093.t1	P29007	Gastrin-releasing peptide
g52458.t1	PF07699.8	GCC2_GCC3
g42844.t1	XP_689825.5	GDNF family receptor alpha
g38505.t1	XP_001339880.3	gem-associated protein 5
g49673.t1	NP_001134796.1	Gem-associated protein 6
g25671.t1	XP_001921214.2	geminin coiled-coil domain-containing protein 1

g13517.t1	NP_001134770.1	General transcription factor IIH subunit 5
g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
alltrinity_comp27190_c0_seq1	NP_756089.2	gluconate kinase 1
g27611.t1	CBJ28225.1	glucose sorbose dehydrogenase
g34410.t1	XP_003974888.1	glutamate receptor delta-2 subunit
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g41195.t1	XP_004556497.1	glutamine-rich protein 2
skin_comp42119_c0_seq1	NP_001134169.1	glutaredoxin-like protein YDR286C
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g9082.t1	NP_001032450.1	glypican-1
g27664.t1	XP_688014.3	glypican-3
g52180.t1	P78333	Glypican-5
g3034.t1	YP_302666.1	gp140
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
g47756.t1	XP_003796841.1	GRAM domain-containing protein 1B
yu_k62:1649929	NP_001094418.2	granulito
g45581.t1	NP_001003599.1	GRIP and coiled-coil domain-containing protein 1
alltrinity_comp181918_c0_seq4	AHG99397.1	group III secreted phospholipase A2-3A2
g24953.t1	ACI33817.1	GTPase IMAP family member 4
g4705.t1	NP_001119874.1	GTP-binding protein 8
g2397.t1	NP_001002343.1	guanylate binding protein 1
qifan_comp128212_c0_seq1	NP_001003868.1	H/ACA ribonucleoprotein complex subunit 3
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g29914.t1	ELW69465.1	HBS1-like protein
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g44716.t1	NP_001002337.1	HCLS1-associated protein X-1
g34662.t1	ABD77534.1	HDCME31P
yu_Contig20052	XP_006004814.1	HEAT repeat-containing protein 4
g38615.t1	NP_001107785.1	HEAT repeat-containing protein 6
g51751.t1	Q4G112	Heat shock factor protein 5
g25287.t1	NP_001188049.1	heat shock protein beta-11
alltrinity_comp129430_c0_seq2	XP_006801237.1	heat shock protein beta-7
g28544.t1	AAH33020.1	Heat shock transcription factor family member 5
g37168.t1	NP_991232.1	helix-loop-helix protein 2
g49510.t1	XP_003972120.1	hemicentin-2
qifan_comp190767_c0_seq1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g40525.t1	NP_001188323.1	hepcidin
alltrinity_comp190625_c1_seq6	XP_005457724.1	HERV-H LTR-associating protein 1
cdna_vet_k79:92799	NP_001002620.1	hexaprenyldihydroxybenzoate methyltransferase, mitochondrial
g55690.t1	NP_001013509.1	hexosaminidase D
g30955.t1	XP_003441680.1	HHIP-like 1
ncbimrna_375794568	NP_997845.1	high mobility group protein HMGI-C
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g42912.t1	P06350	Histone H1
g23517.t1	XP_690894.2	histone H3.v1
g6844.t1	NP_001167383.1	histone-lysine N-methyltransferase PRDM9
g23145.t1	NP_956348.1	histone-lysine N-methyltransferase setd3
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g9823.t1	CBN81747.1	Homeobox protein Mohawk
g57212.t1	Q96KN3	Homeobox protein PKNOX2
105_ccaa	AHH37531.1	Homeodomain-only protein
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g12073.t1	NP_001107887.2	hydrocephalus inducing
g49332.t1	NP_001107059.1	hydroxyllysine kinase
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g19491.t1	EOB02515.1	hypothetical protein Anap1_05179
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g16051.t1	XP_001895429.1	hypothetical protein Bm1_19870
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294

g5480.t1	XP_002609682.1	hypothetical protein BRAFLDRAFT_123581
g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g39363.t1	XP_002603613.1	hypothetical protein BRAFLDRAFT_126923
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g14256.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g58209.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654
g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g24683.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
pac_pacbio_412375902_2/3_3533	EHB04114.1	hypothetical protein GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570

g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
alltrinity_comp12601_c0_seq1	XP_004029724.1	hypothetical protein IMG5_174420
alltrinity_comp226493_c0_seq1	XP_004023860.1	hypothetical protein IMG5_203750
g26906.t1	EHJ64573.1	hypothetical protein KGM_05799
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
yu_Contig27080	ETE61988.1	hypothetical protein L345_12259
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g33241.t1	NP_965518.1	hypothetical protein LJ1711
g20457.t1	XP_001340940.4	hypothetical protein LOC100000814
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g56360.t1	XP_001344153.2	hypothetical protein LOC100004990
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g50051.t1	XP_001919839.2	hypothetical protein LOC100148872
g48374.t1	XP_001921749.3	hypothetical protein LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g36465.t1	XP_001921828.1	hypothetical protein LOC100150296
g12971.t1	XP_001919813.2	hypothetical protein LOC100150366
g38934.t1	XP_001920208.3	hypothetical protein LOC100150803
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g17657.t1	XP_002662059.2	hypothetical protein LOC100318173
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g15168.t1	XP_003197996.1	hypothetical protein LOC100322182
g49522.t1	XP_002663889.1	hypothetical protein LOC100329274
g52960.t1	XP_002666775.2	hypothetical protein LOC100329326
g31988.t1	XP_002664361.1	hypothetical protein LOC100329833
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g28608.t1	XP_002667279.1	hypothetical protein LOC100330441
g21958.t1	XP_002664136.2	hypothetical protein LOC100330539
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g24861.t1	XP_002665640.2	hypothetical protein LOC100331092
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g25655.t1	XP_002664349.2	hypothetical protein LOC100331351
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g14474.t1	XP_002662629.1	hypothetical protein LOC100332081
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g17439.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g36969.t1	XP_002914422.1	hypothetical protein LOC100466797
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g28698.t1	XP_003197997.1	hypothetical protein LOC100534713
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g3116.t1	XP_003199773.1	hypothetical protein LOC100535494
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein LOC100535628
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693

g10502.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g12024.t1	XP_003201129.1	hypothetical protein LOC100536326
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g23318.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48486.t1	XP_003199820.1	hypothetical protein LOC100537710
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g33476.t1	XP_003199572.1	hypothetical protein LOC100538095
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g14845.t1	XP_003199561.1	hypothetical protein LOC100538314
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein LOC100636977
yu_Contig1642	XP_003390502.1	hypothetical protein LOC100637606
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g48860.t1	XP_003430776.1	hypothetical protein LOC100681616
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g5376.t1	XP_003455589.1	hypothetical protein LOC100692109
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_0034440164.1	hypothetical protein LOC100693855
g49728.t1	XP_003442423.1	hypothetical protein LOC100693951
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g14329.t1	XP_003449587.1	hypothetical protein LOC100697617
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g30120.t1	XP_003455374.1	hypothetical protein LOC100701766
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g30380.t1	XP_003457430.1	hypothetical protein LOC100703482
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g35021.t1	XP_003455387.1	hypothetical protein LOC100705264
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g12856.t1	XP_003460241.1	hypothetical protein LOC100705656
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g44635.t1	XP_001921158.2	hypothetical protein LOC449864
g5447.t1	XP_003201264.1	hypothetical protein LOC497177
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g36085.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g31496.t1	XP_683935.3	hypothetical protein LOC556113
g30513.t1	XP_685048.4	hypothetical protein LOC557000
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g18101.t1	XP_689554.5	hypothetical protein LOC561062

g30998.t1	XP_689978.5	hypothetical protein LOC561486
g27920.t1	XP_690282.4	hypothetical protein LOC561780
g628.t1	XP_690436.1	hypothetical protein LOC561947
g54587.t1	XP_691803.3	hypothetical protein LOC563347
g40833.t1	XP_692201.3	hypothetical protein LOC563749
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g21983.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g25754.t1	XP_695219.4	hypothetical protein LOC566840
g19675.t1	XP_696152.4	hypothetical protein LOC567758
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g14558.t1	XP_697901.3	hypothetical protein LOC569425
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g34835.t1	XP_698030.5	hypothetical protein LOC573741
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g38954.t1	XP_001332567.3	hypothetical protein LOC792924
g50441.t1	XP_001333061.3	hypothetical protein LOC793321
g57140.t1	XP_001333219.1	hypothetical protein LOC793455
g31759.t1	XP_001921853.2	hypothetical protein LOC794266
g35106.t1	XP_003199182.1	hypothetical protein LOC794533
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g39084.t1	XP_001339544.1	hypothetical protein LOC799157
pac_pacbio_411861709_2/3_6178	ESP02324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g57576.t1	ELR61013.1	hypothetical protein M91_09415
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpa_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
g51018.t1	EFB22745.1	hypothetical protein PANDA_014984
g42457.t1	YP_660931.1	hypothetical protein Patl_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PscyPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
pac_pacbio_411898645_5/245_1680	YP_251955.1	hypothetical protein SH0040
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g7325.t1	XP_003683123.1	hypothetical protein TDEL_OH00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231

g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g8045.t1	EMP41437.1	hypothetical protein UY3_01303
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g18829.t1	EMP23802.1	hypothetical protein UY3_19244
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	Ifl-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	Ig_2
g27092.t1	NP_001117097.1	IGF binding protein 2
g48544.t1	PF02372.10	IL15
g48990.t1	NP_001165325.1	IL-6 subfamily member ciliary neurotrophic factor
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g5910.t1	AAH92165.1	Im:7147241
g13717.t1	NP_001108170.1	immunity-related GTPase family, f1
g45966.t1	NP_001038275.1	immunity-related GTPase family, q2
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g16935.t1	P02976	Immunoglobulin G-binding protein A
g1746.t1	AAA82596.1	immunoglobulin light chain F class
g51417.t1	ACS94421.1	immunoglobulin light chain III variable region
g20088.t1	ACG70844.2	immunoglobulin light chain sigma 1
g15041.t1	ELW66259.1	Importin-11
g37838.t1	XP_691045.2	inactive heparanase-2
g31572.t1	XP_004553026.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g40237.t1	NP_001187834.1	inosine triphosphate pyrophosphatase
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g42880.t1	XP_001332514.2	insulinoma-associated protein 2
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g1340.t1	NP_001187175.1	intelectin 1
g18254.t1	NP_001020335.1	inter-alpha-trypsin inhibitor heavy chain H4
g35958.t1	NP_001187263.1	interferon gamma
g40560.t1	NP_001184131.1	interferon lambda receptor 1
g48190.t1	XP_002660417.1	interferon-induced protein 44
g28631.t1	XP_004566649.1	interferon-inducible GTPase 5
alltrinity_comp191817_c1_seq1	XP_002663470.3	interleukin 1 receptor-like 1
qifan_comp130471_c0_seq3	NP_001104307.1	interleukin 13 receptor, alpha 1
g10950.t1	NP_001018634.1	interleukin 17a/f2
g35960.t1	NP_001018628.1	interleukin 22
g46865.t1	NP_001106978.1	interleukin 23 receptor
g35959.t1	NP_001018635.1	interleukin 26
alltrinity_comp199313_c1_seq4	CAJ75795.1	interleukin 4 receptor alpha
qifan_comp139105_c0_seq2	XP_005164266.1	interleukin 4 receptor, tandem duplicate 1
g13421.t1	CBL94873.1	interleukin 6 signal transducer GP130 protein
g38243.t1	NP_001106979.2	interleukin 7 receptor
g1557.t1	B6ZK77	Interleukin-1 receptor accessory protein-like 1-B
g10163.t1	XP_003454960.1	interleukin-1 receptor type 2
g35939.t1	XP_003198307.1	interleukin-1 receptor-associated kinase 3
g4934.t1	XP_004565503.1	interleukin-17 receptor D
g21698.t1	BAI82584.1	interleukin-17N
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
alltrinity_comp182885_c0_seq2	ADB81777.1	interleukin-21
yu_Contig11390	XP_005742066.1	interleukin-5 receptor subunit alpha
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
yu_Contig4862	AAAN41455.1	interleukin-8 variant 3
g41324.t1	XP_003438645.1	interleukin-9 receptor
g29127.t1	NP_976934.1	internalin
g21174.t1	XP_686356.5	interphotoreceptor matrix proteoglycan 2
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein USO1
g4533.t1	A7MBP4.2	Intraflagellar transport protein 46
g35349.t1	XP_004315078.1	intraflagellar transport protein 74
g24054.t1	P07476	Involucrin
qifan_comp287994_c0_seq1	AAO65268.1	iodothyronine deiodinase type I Deio1
g42939.t1	XP_696511.1	iodotyrosine dehalogenase 1
g13923.t1	XP_004538639.1	iporin
g22885.t1	NP_001073437.2	IQ and AAA domain-containing protein
g30719.t1	EMP37633.1	IQ domain-containing protein G

g56184.t1	NP_001092201.2	IQ motif containing with AAA domain 1
g21009.t1	NP_001038594.1	IQ motif-containing protein H
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g56644.t1	XP_005027243.1	kelch-like protein 10
g26089.t1	XP_003971629.1	kelch-like protein 29
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q98YR4	Keratin-associated protein 4-3
g11313.t1	XP_004541321.1	keratinocyte-associated protein 2
g51567.t1	PF13879.1	KIAA1430
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g34502.t1	NP_001005981.1	kininogen 1
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g55167.t1	AFM08414.1	kisspeptin 2
g26223.t1	XP_004554834.1	kyphoscoliosis peptidase
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g45536.t1	NP_955947.1	lariat debranching enzyme
g15807.t1	XP_002733056.1	latrophilin 2
yu_Contig6643	XP_005166421.1	LDLR chaperone MESD
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
cdna_clc_375670	NP_001108187.1	leucine zipper protein 2
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g30718.t1	XP_003200463.1	leucine-rich repeat and calponin homology domain-containing protein 3
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g10096.t1	XP_004559721.1	leucine-rich repeat flightless-interacting protein 2
g26419.t1	XP_692159.4	leucine-rich repeat transmembrane neuronal protein 4
g23458.t1	XP_004668243.1	leucine-rich repeat-containing protein 1
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g46882.t1	XP_001333128.4	leucine-rich repeat-containing protein 19
g21087.t1	XP_004561425.1	leucine-rich repeat-containing protein 46
g48577.t1	XP_004563450.1	leucine-rich repeat-containing protein 56
g45984.t1	XP_0050115209.1	leucine-rich repeat-containing protein 72
g39768.t1	XP_004554027.1	leucine-rich repeats and immunoglobulin-like domains protein 3
g24646.t1	XP_001923860.1	leukemia NUP98 fusion partner 1
g12205.t1	ADO28035.1	leukocyte elastase inhibitor
g38845.t1	NP_001187136.1	leukocyte immune-type receptor 3
g54732.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g46156.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g25486.t1	XP_003199915.1	leukotriene C4 synthase
g286.t1	XP_003967393.1	L-fucose kinase
g58055.t1	ADG29142.1	lily-type lectin
yu_k58:1919622	XP_006795542.1	LIM domain kinase 1
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
g22830.t1	NP_001076282.1	lin-10
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g10844.t1	XP_002663915.2	lipase maturation factor 1
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g14954.t1	NP_001119911.1	LIX1-like protein
g49653.t1	AAI57669.1	LOC100135362 protein
g13815.t1	AAI34196.1	LOC100148397 protein
g39058.t1	AAH66572.1	LOC407707 protein
g57600.t1	AAH80499.1	LOC493200 protein
g39925.t1	AAH88826.1	LOC496308 protein
g31414.t1	AAH90800.1	LOC553309 protein
g33965.t1	AAH95280.1	LOC553445 protein
g7358.t1	AAI54644.1	LOC555629 protein
g43564.t1	AAH96904.1	LOC555895 protein
g16114.t1	AAI34108.1	LOC557892 protein
g37900.t1	AAI24249.1	LOC562321 protein
qifan_comp228097_c0_seq1	AAI25887.1	LOC565118 protein
g24000.t1	AAI39667.1	LOC569134 protein
g46106.t1	AAI24369.1	LOC569648 protein

cdna_aby_k55:1035126	AAI34074.1	LOC570443 protein
g34595.t1	AAI15177.1	LOC794225 protein
qifan_comp100734_c0_seq1	AAI33956.1	LOC799814 protein
g10413.t1	XP_003199120.1	low-density lipoprotein receptor
g13550.t1	XP_003199558.1	low-density lipoprotein receptor class A domain-containing protein 2
g51868.t1	A4IH96	Low-density lipoprotein receptor class A domain-containing protein 3
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060	LWamide I
g45470.t1	Q25060.1	LWamide neuropeptides
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g49724.t1	XP_689109.3	lymphatic vessel endothelial hyaluronic acid receptor 1
g31907.t1	XP_003966355.1	lymphocyte activation gene 3 protein
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
yu_k51:2463656	NP_001133704.1	lymphocyte cytosolic protein 2
g9024.t1	BAF56885.1	lymphocyte-specific protein tyrosine kinase
g200.t1	AFS18273.1	lymphoid-restricted membrane protein maternal long form
g7407.t1	XP_003976726.1	lymphokine-activated killer T-cell-originated protein kinase
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
qifan_comp183686_c0_seq1	NP_001157713.1	LYR motif-containing protein 4
cdna_clc_280752	NP_001187277.1	lyr motif-containing protein 4a
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1
g49283.t1	CAP58788.1	macrophage colony-stimulating factor-2
alltrinity_comp205007_c1_seq1	CAQ42963.1	macrophage colony-stimulating factor-a
g17708.t1	ACI67278.1	Magnesium-dependent phosphatase 1
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g42697.t1	Q8NFP4	MAM domain-containing glycosylphosphatidylinositol anchor protein 1
g11448.t1	XP_003201797.1	MAM domain-containing glycosylphosphatidylinositol anchor protein 2
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g44796.t1	NP_001086502.1	mannosidase, alpha, class 1A, member 2
yu_k63:1574095	XP_005168547.1	MANSC domain-containing protein 1
g51530.t1	A6NH57	MANSC domain-containing protein 4
g7676.t1	PF05672.6	MAP7
g37873.t1	ADO28019.1	marvel domain-containing protein 1
g33415.t1	NP_001140036.1	MARVEL domain-containing protein 3
g20240.t1	XP_004576282.1	mast/stem cell growth factor receptor kita
g25487.t1	XP_695719.3	mastermind-like protein 1
g46104.t1	XP_003450249.1	mastermind-like protein 2
g43526.t1	EGW14622.1	Mastermind-like protein 3
g15185.t1	XP_002735800.1	matriptase
g10550.t1	NP_001187095.1	matrix Gla protein
g2368.t1	EDL40247.1	mCG1047287
g53361.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g18370.t1	EDL20200.1	mCG145728
g25698.t1	XP_003441769.1	MDS1 and EVI1 complex locus protein EVI1
g38330.t1	AAI65669.1	Med15 protein
g40659.t1	PF05669.7	Med31
g57145.t1	NP_001187819.1	mediator of RNA polymerase II transcription subunit 11
g35810.t1	NP_001187889.1	meiosis expressed gene 1 protein
g53157.t1	NP_001153485.1	meiosis-specific protein MEI4
g57509.t1	XP_003451039.1	meiotic recombination protein REC8
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g48154.t1	NP_571470.1	melatonin receptor type 1B-A
qifan_comp87917_c0_seq1	NP_991162.1	membrane magnesium transporter 1
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3
cdna_clc_473604	NP_001135372.1	Membrane-spanning 4-domains subfamily A member 12
qifan_comp110320_c0_seq4	XP_005160308.1	membrane-spanning 4-domains subfamily A member 15
g43218.t1	XP_003198596.1	membrane-spanning 4-domains subfamily A member 4A
g43215.t1	NP_001017670.1	membrane-spanning 4-domains, subfamily A, member 17A
qifan_comp145471_c0_seq3	NP_001186650.1	membrane-spanning 4-domains, subfamily A, member 4
g50173.t1	XP_004553025.1	mepirin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentrin
g45068.t1	NP_001140067.1	metalloprotease C21orf57
g11865.t1	XP_004555069.1	metalloprotease TIKI2
g14285.t1	Q7ZVV9	Methionine aminopeptidase 1
cdna_clc_271450	AAH92939.1	Mgmt protein
g1528.t1	XP_003218591.1	microsomal triglyceride transfer protein large subunit
g41437.t1	EKD17700.1	microtubule associated protein
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2

g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g25205.t1	ACI66099.1	Mitochondrial 28S ribosomal protein S28
g20773.t1	ACOO7921.1	Mitochondrial 28S ribosomal protein S36
32_ccaa	ADO29386.1	mitochondrial 39S ribosomal protein I33
g28704.t1	NP_001187321.1	mitochondrial 39S ribosomal protein I38
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g13898.t1	XP_003199736.1	mitochondrial import inner membrane translocase subunit Tim23
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g50291.t1	NP_001188135.1	mitochondrial NADH dehydrogenase (ubiquinone) iron-sulfur protein 6
yu_Contig26055	ADO27929.1	mitochondrial probable methyltransferase c20orf7
g52736.t1	NP_001188014.1	mitochondrial putative octanoyltransferase
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g26119.t1	XP_004274013.1	mitogen-activated protein kinase-binding protein 1
g13364.t1	NP_957206.2	mitotic spindle assembly checkpoint protein MAD1
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g49064.t1	XP_003965450.1	M-phase phosphoprotein 9
pac_pacbio_410689841_1/34_1696	EMP27574.1	Mps one binder kinase activator-like 2A
g53185.t1	NP_998032.1	mRNA-capping enzyme
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g25059.t1	EPQ10665.1	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g28794.t1	XP_694616.4	multimerin 2
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
alltrinity_comp201617_c0_seq5	NP_001025237.1	muted
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g16464.t1	XP_003450076.1	MYCBP-associated protein
g22942.t1	XP_003976729.1	myelin gene regulatory factor
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g18721.t1	XP_002940277.2	myosin-11
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIIb
g48593.t1	XP_003440536.1	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1
g34862.t1	NP_001187393.1	n-acetyltransferase 14
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g1813.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
g25361.t1	AAy86992.1	NADH dehydrogenase
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
skin_comp65695_c0_seq1	XP_003200818.1	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1
qifan_comp168279_c0_seq1	ACI67693.1	NADH dehydrogenase flavoprotein 3, mitochondrial
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g52109.t1	Q66H65	NEDD4-binding protein 2-like 2
g1139.t1	XP_001335854.3	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g34034.t1	XP_003199124.1	nephrocystin-4
qifan_comp151244_c0_seq8	XP_005167009.1	nephronophthisis 4
g31860.t1	XP_001919922.1	nestin
g39135.t1	BAG80562.1	neucrin
g40622.t1	AAT02665.1	neural friend of GATA-A
g25425.t1	XP_684540.4	neural proliferation differentiation and control 1
g31489.t1	NP_001122255.1	neural proliferation, differentiation and control 1a
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
alltrinity_comp173394_c1_seq1	XP_005160570.1	neuromedin-U
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g40728.t1	XP_003198998.1	neurosecretory protein VGF
alltrinity_comp138035_c0_seq2	XP_005159201.1	neurotensin/neuromedin N
g49463.t1	AEX01238.1	neurotrophic tyrosine kinase receptor type 3b
g48879.t1	ACI33155.1	NHL repeat-containing protein 3
g8194.t1	XP_002661386.1	nicotinamide phosphoribosyltransferase
qifan_comp226303_c0_seq1	XP_003533945.1	nicotinate-nucleotide pyrophosphorylase [carboxylating], chloroplastic
g56748.t1	CAH19212.1	NILT1 leucocyte receptor
g56736.t1	ADV31326.1	NILT3
g44058.t1	NP_001187232.1	NK-lysin type 3
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein

g32476.t1	NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
yu_Contig7863	XP_001338820.2	norrin
qifan_comp129372_c0_seq2	BAC45234.1	novel immune type receptor
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g41968.t1	NP_001187235.1	novel immune-type receptor 16
g34031.t1	CAN88735.1	novel protein similar to vertebrate nephronophthisis 4
g16552.t1	AAI21758.1	Npm4 protein
id	access number	NR+UNIPROT annotation
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g65.t1	XP_002664599.2	nucleolar pre-ribosomal-associated protein 1
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g22043.t1	XP_002664363.2	nucleolin 2
g38621.t1	NP_956979.2	nucleoporin 98
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
alltrinity_comp183206_c0_seq1	XP_005170482.1	oogenesis-related gene
g32723.t1	XP_725227.1	ookinete protein
g49595.t1	NP_001077021.1	oral cancer overexpressed 1
g22847.t1	ABD75623.1	orf1ab polyprotein
g11628.t1	NP_997836.1	origin recognition complex subunit 6
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40610.t1	Q4KMM3	Oxidation resistance protein 1
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
alltrinity_comp198007_c1_seq1	XP_001335873.1	oxidoreductase-like domain-containing protein 1
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g29706.t1	AAH56084.1	P42pop protein
g24665.t1	ABW84004.1	p65 transcription factor
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g40132.t1	XP_003200749.1	palladin
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g57545.t1	NP_001135113.1	parafibromin
g41819.t1	P15743	Parathyroid hormone
g12771.t1	ACO09629.1	Parkin
g13199.t1	XP_003200404.1	parkin coregulated gene protein
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
qifan_comp141489_c0_seq6	XP_003457707.1	PC-esterase domain-containing protein 1A
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g11156.t1	XP_004549872.1	pentatricopeptide repeat-containing protein 2, mitochondrial
g11064.t1	YP_001107629.1	PE-PGRS family protein
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g24098.t1	NP_001025446.1	peptidyl-tRNA hydrolase domain containing 1
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g24563.t1	XP_003450524.1	peroxiredoxin-5, mitochondrial
g31118.t1	ACO13897.1	Peroxisomal trans-2-enoyl-CoA reductase
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g27889.t1	XP_685305.1	PH and SEC7 domain-containing protein 2
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g10840.t1	NP_001187936.1	phosphatidylethanolamine N-methyltransferase
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4
g16368.t1	XP_700029.4	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha
g50752.t1	XP_001922676.1	phosphoinositide 3-kinase regulatory subunit 4
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
qifan_comp67057_c0_seq1	ACN09856.1	Phospholemman
g20366.t1	XP_696991.4	phospholipase B1, membrane-associated

g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g54218.t1	XP_696355.4	piezo-type mechanosensitive ion channel component 1
alltrinity_comp204307_c0_seq7	XP_005997448.1	piggyBac transposable element-derived protein 4
g52420.t1	Q5PRB3	PIH1 domain-containing protein 2
g8782.t1	NP_001187757.1	pituitary tumor-transforming gene 1 protein-interacting protein
g1772.t1	XP_003445594.1	piwi-like 1
g32824.t1	XP_004553686.1	platelet-derived growth factor C
g9449.t1	XP_003200146.1	platelet-derived growth factor D
g17763.t1	NP_957501.1	pleckstrin homology domain-containing family A member 3
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g30114.t1	NP_001124255.1	pleckstrin homology domain-containing family M member 2
alltrinity_comp202269_c0_seq11	XP_005156395.1	pleckstrin domain-containing family S member 1
g35087.t1	NP_991260.2	plexin D1
g40062.t1	XP_003410187.1	plexin-A2
g44731.t1	XP_004553914.1	plexin-C1
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g11561.t1	Q9NQ53	Poliovirus receptor-related protein 3
g11131.t1	BAC82611.1	pol-like protein
g35820.t1	NP_001108558.1	poly (ADP-ribose) polymerase family, member 12b
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
g26895.t1	XP_002660995.2	polymeric immunoglobulin receptor
pac_pacbio_411372140_1/106_3216	AHH83793.1	polymeric immunoglobulin receptor-like group 1-1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g34603.t1	XP_692121.5	potassium channel subfamily T member 1
g5354.t1	XP_694050.5	potassium channel subfamily T member 2
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g9576.t1	XP_004557932.1	potassium voltage-gated channel subfamily E member 2
g51532.t1	O73925	Potassium voltage-gated channel subfamily KQT member 1
g54058.t1	ADD91543.1	potassium voltage-gated channel subfamily Q member 1
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g32182.t1	WP_006288159.1	PPE-repeat protein
g35161.t1	XP_001337090.4	PR domain zinc finger protein 16
g10176.t1	XP_001631300.1	predicted protein
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g19904.t1	NP_001187244.1	preproghrelin-1
g3526.t1	EGW05636.1	Prestalk protein
qifan_comp146427_c0_seq38	XP_002660420.2	primary ciliary dyskinesia protein 1
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g12043.t1	XP_004548485.1	PRKC apoptosis WT1 regulator protein
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g10194.t1	XP_004544307.1	probable E3 ubiquitin-protein ligase HECTD4
g45393.t1	XP_004568059.1	probable E3 ubiquitin-protein ligase MYCBP2
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g26844.t1	Q8IZF6	Probable G-protein coupled receptor 112
qifan_comp145639_c0_seq3	XP_005736736.1	probable G-protein coupled receptor 116
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g28319.t1	XP_004551438.1	probable G-protein coupled receptor 156
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g36333.t1	XP_686742.2	probable JmjC domain-containing histone demethylation protein 2C
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g48651.t1	ACO09716.1	Probable mitochondrial import receptor subunit TOM7
g40046.t1	NP_001038652.1	probable palmitoyltransferase ZDHC14
g36501.t1	ADO28349.1	probable palmitoyltransferase zdhhc4
g34592.t1	NP_001013348.1	probable peptidyl-tRNA hydrolase
51_ccaa	ADO28809.1	probable protein brick1
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clka
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g15798.t1	AAG47643.1	progastricin
skin_comp66593_c0_seq1	NP_001187364.1	programmed cell death protein 10
g35724.t1	ABD33839.1	prolactin-releasing peptide C-RFamide
g40748.t1	XP_001339018.3	proline-, glutamic acid- and leucine-rich protein 1
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
qifan_comp148759_c1_seq6	XP_695751.4	proline-rich protein 11
g27019.t1	XP_004478809.1	proline-rich protein 2
g38522.t1	XP_004556894.1	proline-rich protein 7
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g37955.t1	ABB71125.1	prominin
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound

g4675.t1	NP_001130019.1	Prop-1-like homeobox protein
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g21153.t1	NP_001232875.1	prostate stem cell antigen precursor
alltrinity_comp92512_c0_seq1	XP_003450926.1	prostate-associated microseminoprotein
g45622.t1	XP_003446516.1	protachykinin
g11469.t1	NP_001187697.1	protachykinin-1
g51387.t1	XP_003201341.1	protein AF-10
g21232.t1	NP_001153456.1	protein AF1q
g19281.t1	NP_001107083.1	protein ARV1
g6406.t1	XP_005020051.1	protein BEAN1
g27449.t1	XP_002667478.1	protein C9orf69
g12724.t1	NP_001092924.1	protein CASC1
yu_Contig8996	NP_991279.1	protein CASC3
g41283.t1	E7F568.2	Protein cordon-bleu
g32493.t1	XP_003973424.1	protein DDI1 homolog 2
g25832.t1	XP_004554963.1	protein Dos
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g29266.t1	XP_001922304.2	protein FAM107B
g27613.t1	XP_002934449.2	protein FAM149A
g13922.t1	NP_001076489.2	protein FAM166B
g47603.t1	Q7T297.2	Protein FAM172A
g58135.t1	XP_004551808.1	protein FAM178A
g45013.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g39966.t1	XP_683302.2	protein FAM184A
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g9780.t1	XP_001333850.4	protein FAM190B
g57503.t1	XP_004542702.1	protein FAM194A
g48523.t1	XP_004545492.1	protein FAM196B
g51832.t1	Q8TCP9	Protein FAM200A
g47630.t1	XP_001503756.1	protein FAM81B
g6892.t1	ELW61426.1	Protein Filia
g13785.t1	XP_003504247.1	protein IWS1
102_ccaa	AHH38063.1	Protein JTB
g10115.t1	Q1LVC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g21518.t1	NP_001155070.1	protein kinase domain-containing protein, cytoplasmic
qifan_comp145378_c0_seq2	NP_001071264.1	protein lin-52
g25812.t1	NP_001091717.1	protein MEF2BNB
g12881.t1	XP_004560274.1	protein NLR3
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g11758.t1	XP_002259357.1	protein phosphatase
g24957.t1	P01099	Protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g51448.t1	XP_700422.2	protein phosphatase 1 regulatory subunit 32
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq1	XP_005162407.1	protein pitchfork
g57020.t1	NP_001007061.2	protein PRRC1
g53035.t1	XP_690522.1	protein QN1
g26037.t1	XP_004540628.1	protein RD3
yu_k52:17550	NP_001034199.2	protein ripply3
g51499.t1	Q803M5	Protein saal1
g32467.t1	XP_688629.4	protein SFI1
g54794.t1	NP_001074069.1	protein SHQ1
g14308.t1	P18583	Protein SON
g13009.t1	XP_003970742.1	protein spinster homolog 2
225_ccaa	AHH42861.1	Protein starmaker
g44009.t1	NP_001245157.1	protein TALPID3
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g29885.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g8084.t1	XP_003198663.1	protein unc-13 homolog A
qifan_comp133175_c0_seq1	NP_919357.2	prothymosin alpha-A
g48886.t1	Q8BNA6	Protocadherin Fat 3
g27777.t1	XP_002664482.2	protocadherin-11 X-linked
g11804.t1	XP_003359333.1	protocadherin-15
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g57923.t1	XP_001921602.1	pseudopodium-enriched atypical kinase 1
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_c0_seq1	XP_006627932.1	Purkinje cell protein 4
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g91665.t1	Q9CWFU0	Putative ATP-dependent RNA helicase TDRD12
g19337.t1	B8A4F4	Putative ATP-dependent RNA helicase TDRD9
g46536.t1	XP_002938980.2	putative defense protein 3
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g40322.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein

g8091.t1	WP_005630155.1	putative hep/Hag
g2370.t1	CCC91495.1	putative kinesin K39
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g48199.t1	XP_004545472.1	putative methyltransferase NSUN7
g56749.t1	CAR82065.1	putative NILT1 leukocyte receptor
g44152.t1	XP_003453169.1	putative palmitoyltransferase ZDHHC22
g44088.t1	XP_003978543.1	putative polypeptide N-acetylgalactosaminyltransferase protein 1
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein Cxorf58
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g17003.t1	XP_004554412.1	pyruvate carboxylase, mitochondrial
g25848.t1	ADO28129.1	qil1
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
qifan_comp288907_c0_seq1	XP_005160464.1	RAD51 paralog B
g33806.t1	XP_001923770.1	radial spoke head protein 4 homolog A
g53073.t1	XP_003968363.1	regulator complex protein LAMTOR1
g48646.t1	XP_004541575.1	rap guanine nucleotide exchange factor 5
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g22605.t1	XP_004574467.1	ras guanyl-releasing protein 3
g53492.t1	XP_002734139.1	RAS protein activator like 1
g56421.t1	NP_001096163.1	RCAN family member 3
g33887.t1	XP_003975391.1	receptor-type tyrosine-protein phosphatase mu
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g39802.t1	XP_003448848.1	receptor-type tyrosine-protein phosphatase O
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g80.t1	Q9H426	Regulating synaptic membrane exocytosis protein 4
qifan_comp63515_c0_seq1	XP_001344817.1	regulator of cell cycle RGCC
g35259.t1	XP_004538054.1	regulator of G-protein signaling 3
g27348.t1	O54829	Regulator of G-protein signaling 7
g43342.t1	XP_003978359.1	regulator of microtubule dynamics protein 2
g43233.t1	XP_004538833.1	regulatory-associated protein of mTOR
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g11957.t1	XP_003458725.1	resistance to inhibitors of cholinesterase protein 3
g49661.t1	NP_001187815.1	retinoblastoma binding protein 9
g28283.t1	Q9W523.1	Retinoic acid receptor alpha
g26575.t1	XP_002739124.1	RETrotransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
pac_pacbio_410446628_1/14_8409	AAI35360.1	reverse transcriptase/ribonuclease H/putative methyltransferase
g52918.t1	XP_003457562.1	reversion-inducing cysteine-rich protein with Kazal motifs
g28443.t1	XP_700258.4	rhabdoid tumor deletion region protein 1
g8377.t1	XP_004552665.1	rho GTPase-activating protein 6
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g35932.t1	NP_001007342.1	Rho guanine nucleotide exchange factor (GEF) 39
g54320.t1	NP_001027010.1	rho guanine nucleotide exchange factor 11
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g34515.t1	XP_690750.5	rho guanine nucleotide exchange factor 18
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
skin_comp65253_c0_seq3	XP_001344100.3	rhomboid domain-containing protein 2
31_ccaa	ADO29417.1	ribonuclease h2 subunit c
g4447.t1	XP_001346157.4	ribonuclease inhibitor
g40744.t1	ADO28017.1	ribonuclease kappa-a
g57144.t1	NP_001038840.1	ribonuclease kappa-B
pac_pacbio_412068367_5/40_2901	NP_001093575.1	ribonuclease like 2
qifan_comp169441_c0_seq1	NP_001018528.1	ribonuclease P protein subunit p14
qifan_comp107436_c0_seq1	NP_957069.1	ribosomal protein 63, mitochondrial
g7806.t1	NP_001187043.1	ribosomal protein L14
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
46_ccaa	ADO28905.1	riia domain-containing protein c1orf230
g8345.t1	Q5SPX3	RING finger protein 215
g55724.t1	XP_003964771.1	RING finger protein 222
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g30538.t1	NP_958474.1	RING1 and YY1-binding protein A
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3

g50372.t1	WP_003961220.1	RNA helicase
g17675.t1	XP_706962.2	RNA polymerase I-specific transcription initiation factor RRN3
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylate synthase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_seq5	XP_005167635.1	RNA-binding protein 44
g15780.t1	XP_003200102.1	RNA-binding protein Nova-1
alltrinity_comp197023_c0_seq2	XP_006641311.1	RNA-binding Raly protein
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
g48238.t1	XP_004571181.1	rootletin
g28566.t1	NP_001187855.1	rpa-interacting protein a
g39570.t1	ACN10169.1	rRNA methyltransferase 1, mitochondrial
pac_pacbio_409846677_2/23_1287	EUB55374.1	rRNA promoter binding protein
yu_Contig12595	NP_957050.1	RWD domain-containing protein 3
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
qifan_comp149773_c0_seq5	XP_002663941.1	sarcoplasmic reticulum histidine-rich calcium-binding protein
g250.t1	PF02023.12	SCAN
g50982.t1	EMP27478.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g40146.t1	XP_003973979.1	sec1 family domain-containing protein 2
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g47900.t1	XP_001919970.3	seizure protein 6
g25061.t1	NP_001245158.1	selectin P ligand
g28000.t1	XP_004543556.1	selenocysteine insertion sequence-binding protein 2
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g55918.t1	NP_919398.1	selenoprotein W, 2a
g55919.t1	NP_919399.3	selenoprotein W, 2b
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37032.t1	XP_003976101.1	serine hydrolase protein
g23262.t1	XP_001922611.1	serine/arginine repetitive matrix protein 2
g15414.t1	POC865	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g45567.t1	XP_004562609.1	serine/threonine-protein kinase 11-interacting protein
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g40094.t1	XP_004542346.1	serine/threonine-protein kinase MRCK alpha
g25978.t1	NP_001038590.1	serine/threonine-protein kinase MRCK beta
g4821.t1	XP_004566361.1	serine/threonine-protein kinase Nek5
g8657.t1	NP_001073513.2	serine/threonine-protein kinase SMG1
g4350.t1	XP_003458486.1	serine/threonine-protein kinase TBK1
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g47643.t1	NP_001103754.1	serologically defined colon cancer antigen 3
g58241.t1	XP_004551481.1	serologically defined colon cancer antigen 8
alltrinity_comp205847_c0_seq1	XP_005157012.1	SERTA domain-containing protein 4
qifan_comp143170_c0_seq3	BAA36700.1	serum amyloid A protein
g47678.t1	XP_698139.1	SET-binding protein
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g36651.t1	XP_689048.4	SH2 domain-containing protein 4B
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6P0R8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
yu_Contig26491	AAI54252.1	Si:ch211-147a11.3 protein
qifan_comp255491_c0_seq1	XP_003200891.1	si:ch211-191j22.3
qifan_comp150838_c0_seq11	XP_694355.3	si:ch211-199g17.9
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1_seq2	XP_003197657.2	si:ch211-235f1.3
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
alltrinity_comp210636_c0_seq5	XP_003200089.2	si:dkey-103g5.4
qifan_comp143879_c0_seq1	AAI55834.1	Si:dkey-10p5.7
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
qifan_comp146311_c0_seq2	XP_002662647.3	si:dkey-162h11.3
yu_k64:1524271	AAH83171.1	Si:dkey-170l10.1 protein
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-221i6.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp63543_c0_seq2	XP_689978.6	si:dkey-3b8.4
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein

ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g17423.t1	Q9BZZZ	Sialoadhesin
qifan_comp121918_c0_seq1	NP_001038256.1	sialomucin core protein 24
g32808.t1	XP_698593.4	sickle tail protein
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a
g31380.t1	P41809	Signaling mucin HKR1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g22493.t1	XP_001813277.1	similar to polyprotein
g16286.t1	Q6GP51	Single-pass membrane and coiled-coil domain-containing protein 4
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g56366.t1	AAX30342.1	SJCHGC03036 protein
g3687.t1	AAAX28135.2	SJCHGC07585 protein
g35407.t1	ADO28195.1	sjoegren syndrome nuclear autoantigen 1
qifan_comp213645_c0_seq1	XP_002667664.3	SLAM family member 5
g13366.t1	XP_003457715.1	SLAM family member 7
alltrinity_comp206233_c0_seq2	XP_005163632.1	SLAM family member 9
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g4607.t1	XP_002666547.1	small cell adhesion glycoprotein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g47221.t1	NP_001013546.1	small integral membrane protein 12
g48087.t1	XP_003447288.1	small integral membrane protein 13
skin_comp67519_c0_seq1	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_seq1	XP_002663002.1	small integral membrane protein 20
39_ccaa	ADO29221.1	small subunit of serine palmitoyltransferase a
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10234.t1	XP_002662240.1	smoothelin
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor O2A10
qifan_comp152805_c0_seq5	NP_001073632.1	snRNA-activating protein complex subunit 5
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g15416.t1	XP_004571125.1	sodium bicarbonate cotransporter 3
g26571.t1	ACA52542.1	soluble adenylyl cyclase
g20463.t1	XP_003437939.1	solute carrier family 22 member 23
g39956.t1	XP_682935.4	solute carrier family 35 member F1
g36522.t1	XP_693885.3	sorting nexin-29
g10967.t1	XP_003200394.1	SPARC protein 1
g56465.t1	XP_004540041.1	SPARC-related modular calcium-binding protein 1
g6033.t1	XP_004541517.1	speriolin protein
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g28664.t1	NP_956821.1	sperm flagellar protein 1
g32392.t1	XP_003201529.1	sperm-associated antigen 16 protein
g5037.t1	XP_696012.3	sperm-associated antigen 5
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g986.t1	NP_001133843.1	Spermatogenesis-associated protein 2
g36594.t1	XP_001920588.3	spermatogenesis-associated protein 20
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
alltrinity_comp203461_c4_seq1	NP_001070815.1	sperm-tail PG-rich repeat-containing protein 2
g37723.t1	EMC82053.1	Splicing factor 3A subunit 2
g30739.t1	NP_571590.1	spondin-1
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g47377.t1	NP_001165106.1	stannin
g54491.t1	XP_001340114.1	stAR-related lipid transfer protein 13
g15561.t1	EMS57593.1	Stellacyanin
g53598.t1	NP_001243122.1	stem-loop binding protein
82_ccaa	AHH40532.1	Sterile alpha motif domain-containing protein 10
g30147.t1	XP_004554267.1	sterile alpha motif domain-containing protein 11
g20017.t1	XP_003199616.1	sterile alpha motif domain-containing protein 14
g34071.t1	EMP27723.1	Stonustoxin subunit alpha
g4175.t1	XP_001922696.1	stonustoxin subunit beta
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33229.t1	P18899	Stress protein DDR48
g18927.t1	NP_998108.1	stress-associated endoplasmic reticulum protein 1
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g40870.t1	XP_692356.4	stromal interaction molecule 2
g26563.t1	XP_699397.4	structural maintenance of chromosomes flexible hinge domain-containing protein 1
g15021.t1	B2GV06	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
g29436.t1	AAH56551.1	Sucgl2 protein
g7759.t1	NP_001098584.1	SUMO1/sentrin/SMT3 specific peptidase 3a
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2

g11617.t1	XP_003199509.1	suppressor of cytokine signaling 7
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g22470.t1	XP_003198636.1	sushi domain-containing protein 1
yu_k50:2886796	ACI32951.1	Sushi domain-containing protein 3
g47279.t1	EMC89852.1	Sushi domain-containing protein 5
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
qifan_comp72641_c0_seq1	XP_685048.5	synaptonemal complex protein 2
g1427.t1	NP_001002463.1	synaptotagmin Ia
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
g56580.t1	EMP26139.1	Syndecan-1
g6756.t1	Q5SQE2	Syntaxin-binding protein 5
g54915.t1	NP_001187432.1	sys1
g40330.t1	AER30050.1	T cell receptor gamma 2
177_ccaa	ABD85504.1	tafazzin
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g43562.t1	NP_001074106.2	TBC domain-containing protein kinase
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g40864.t1	NP_956785.1	TBC1 domain family member 19
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g29114.t1	XP_002662910.2	t-cell immunomodulatory protein
136_ccaa	AAR06175.1	T-cell receptor alpha
147_ccaa	AAB94920.1	T-cell receptor beta variable region
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
cdna_aby_k93:245501	XP_005168366.1	T-cell surface antigen CD2
g12829.t1	NP_001187191.1	T-cell surface glycoprotein CD3 zeta chain
g31454.t1	ADM15562.1	Tcf4
g56562.t1	AAD56899.1	TCR beta variable region
g24083.t1	XP_001339720.1	tctx1 domain-containing protein 1
g49338.t1	NP_001140063.1	Tctx1 domain-containing protein 2
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g18472.t1	XP_691552.5	teneurin-1
g7496.t1	XP_003782017.1	teneurin-2
g7378.t1	NP_571043.1	teneurin-3
g46092.t1	NP_571044.1	teneurin-4
g40548.t1	XP_004551170.1	testis development-related protein
qifan_comp120154_c0_seq2	XP_005157775.1	testis expressed 26
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
g32429.t1	XP_003217682.1	testis-expressed sequence 264 protein
qifan_comp140589_c0_seq1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g52449.t1	Q9H892	Tetratricopeptide repeat protein 12
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g13353.t1	AAI5160.1	THO complex 6 homolog (Drosophila)
g5386.t1	XP_004556552.1	THO complex subunit 6
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g46884.t1	BAL42515.1	thrombopoietin-receptor
g6532.t1	NP_991220.1	THUMP domain containing 1
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_seq1	NP_001124169.1	thymosin, beta 4 x
g12839.t1	XP_003199748.1	thyroid adenoma-associated protein
g35331.t1	AFN02885.1	TIK1
g23024.t1	NP_001187154.1	TIR-containing adaptor molecule
g25093.t1	XP_001923800.1	titin
g40536.t1	XP_001340554.4	T-lymphocyte surface antigen Ly-9
qifan_comp244077_c0_seq1	NP_001092733.1	TM2 domain-containing protein 1
g35633.t1	ABE99697.1	TNF receptor associated factor 1
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
g17693.t1	XP_003443803.1	trafficking protein particle complex subunit 9
qifan_comp79042_c0_seq1	XP_005156464.1	transcription elongation regulator 1-like protein
g31455.t1	P15881	Transcription factor 4
pac_pacbio_410105393_1/0_1384	BAF91872.1	transcription factor FoxP2
g35606.t1	A4QNR3	Transcription factor IIIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34194.t1	XP_004418687.1	transcription initiation factor TFIID subunit 10
g50538.t1	NP_001187960.1	transcription initiation factor TFIID subunit 12
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g22449.t1	XP_001341061.1	si:dkey-1h6.8
g37571.t1	XP_690559.3	transcriptional repressor NF-X1
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g1005.t1	XP_004599305.1	translation initiation factor IF-2

g12038.t1	XP_003974623.1	translational activator GCN1
g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g34177.t1	Q5I0H4	Transmembrane and coiled-coil domains protein 1
g38635.t1	ADO29274.1	transmembrane and immunoglobulin domain-containing protein 1
g9471.t1	NP_001164118.1	transmembrane inner ear expressed protein
yu_Contig24751	XP_006638299.1	transmembrane protein 101
skin_comp27957_c0_seq1	XP_005162650.1	transmembrane protein 108
g42139.t1	XP_003199940.1	transmembrane protein 109
180_ccaa	ABD83932.1	Transmembrane protein 116
g25062.t1	XP_687955.1	transmembrane protein 119
g43487.t1	XP_001341924.1	transmembrane protein 132D
g57944.t1	XP_002666816.1	transmembrane protein 138
40_ccaa	ADO29172.1	transmembrane protein 141
g55844.t1	ACI69526.1	Transmembrane protein 150
g56916.t1	XP_001342667.2	transmembrane protein 150C
qifan_comp99401_c0_seq1	NP_001129456.1	transmembrane protein 186
yu_Contig29971	NP_956692.1	transmembrane protein 218
qifan_comp138158_c0_seq1	NP_001003594.1	transmembrane protein 223
qifan_comp141637_c0_seq2	NP_001230080.1	transmembrane protein 234
alltrinity_comp188158_c0_seq5	XP_706440.3	transmembrane protein 240
yu_Contig5863	XP_006806380.1	transmembrane protein 241
qifan_comp151994_c1_seq2	XP_005169458.1	transmembrane protein 44
alltrinity_comp135813_c0_seq3	NP_001124325.1	transmembrane protein 71
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
g14377.t1	PF02994.9	Transposase_22
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g58275.t1	XP_001336187.3	trehalase
g24169.t1	XP_001341898.4	trichohyalin
g47477.t1	XP_002661260.2	trinucleotide repeat-containing gene 18 protein
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g51870.t1	A6QXQ5	Tripartite motif-containing protein 44
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g41591.t1	NP_001120728.2	triple QxxK/R motif-containing protein
g12338.t1	XP_001337498.2	tRNA (adenine[58]-N(1))-methyltransferase, mitochondrial
g27905.t1	NP_001013309.2	tRNA 2'-phosphotransferase 1
g15430.t1	NP_001133911.1	tRNA-dihydrouridine synthase 3
g38932.t1	NP_001070119.1	tRNA-splicing endonuclease subunit Sen2
g50778.t1	XP_003446244.1	t-SNARE domain-containing protein 1
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
g39417.t1	XP_005004102.1	tubulin polyglutamylase TTL11
g21454.t1	ADO28166.1	tubulin-specific chaperone a
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g40817.t1	NP_001070075.1	tumor necrosis factor ligand superfamily member 12
g40223.t1	NP_001036166.1	tumor necrosis factor ligand superfamily member 6
g39229.t1	XP_001923114.3	tumor necrosis factor receptor superfamily member 5
g19907.t1	ACH85326.1	tumor protein p53 inducible nuclear protein 2
g37238.t1	NP_001158515.1	type I interferon 4
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g26657.t1	NP_001002673.1	U4/U6.U5 tri-snRNP-associated protein 1
g39006.t1	XP_003210200.1	u6 snRNA-associated Sm-like protein LSm3
g36511.t1	NP_001002488.1	UBA-like domain-containing protein 1
g50396.t1	XP_003443216.1	ubiquitin-2
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
g39557.t1	NP_001140127.1	ubiquitin-fold modifier-conjugating enzyme 1
g26288.t1	XP_003444403.1	ubiquitin-related modifier 1
g39829.t1	EMP38492.1	UBX domain-containing protein 1
g42956.t1	NP_001038911.1	UBX domain-containing protein 10
g1182.t1	XP_697591.2	UBX domain-containing protein 11
g18885.t1	XP_003456270.1	UBX domain-containing protein 4
g4513.t1	PF00443.24	UCH
skin_comp64596_c0_seq1	ABP65284.1	ugly duckling
g56935.t1	NP_001122229.1	UNC119-binding protein C5orf30
g12734.t1	XP_004563698.1	uncharacterized gene 87 protein
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp197486_c0_seq1	XP_005159447.1	uncharacterized LOC100006053
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410131720_2/9_515	XP_003777772.1	uncharacterized LOC100939189
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052

alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
blue_contig53338.1_13554	XP_005171068.1	uncharacterized LOC101884727
454_FWM5MQA02FJOB	XP_005160982.1	uncharacterized LOC101885928
ncbimrna_375923203	XP_005169161.1	uncharacterized LOC101886252
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
g31492.t1	NP_001185678.1	uncharacterized LOC563012
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
pac_pacbio_41177655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g51142.t1	XP_002934975.1	uncharacterized protein C11orf65
qifan_comp142062_c0_seq4	XP_706374.4	uncharacterized protein C11orf74
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g51999.t1	A8MZF0	Uncharacterized protein C11orf89
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
g26140.t1	XP_004542162.1	uncharacterized protein C14orf37
yu_contig13439	XP_706561.2	uncharacterized protein C14orf80
g53806.t1	NP_001013486.1	uncharacterized protein C15orf43
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g30903.t1	XP_001335597.2	uncharacterized protein C15orf60
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g36743.t1	XP_001919684.1	uncharacterized protein C17orf56
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
g23033.t1	XP_001337233.2	uncharacterized protein C19orf44
alltrinity_comp201700_c1_seq1	XP_005162346.1	uncharacterized protein C1orf127
yu_contig17514	XP_004552952.1	uncharacterized protein C1orf146
g39113.t1	XP_001341090.2	uncharacterized protein C1orf158
g34284.t1	XP_001493985.1	uncharacterized protein C1orf194
g16192.t1	NP_001188382.1	uncharacterized protein C1orf198
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
g6954.t1	E0B05541.1	Uncharacterized protein C21orf62
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
skin_comp62127_c0_seq1	NP_001187992.1	uncharacterized protein c2orf64
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
yu_contig13118	XP_005155908.1	uncharacterized protein C3orf14
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g32240.t1	Q6P2K3	Uncharacterized protein C3orf67
g25342.t1	NP_001187330.1	uncharacterized protein c4orf22
g50311.t1	XP_002665577.1	uncharacterized protein C5orf49
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
qifan_comp120236_c0_seq1	XP_002666730.2	uncharacterized protein C8orf59
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g47641.t1	XP_003198708.1	uncharacterized protein C9orf174
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
yu_contig23821	XP_005614305.1	uncharacterized protein Cxorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g33673.t1	XP_691812.1	uncharacterized protein DKFZp76211415
g52823.t1	XP_001344930.1	uncharacterized protein DKFZp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g17100.t1	NP_001138262.1	uncharacterized protein FLJ46082
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
g28838.t1	XP_001335587.4	uncharacterized protein KIAA0195
skin_comp68504_c1_seq2	XP_005157900.1	uncharacterized protein KIAA0408
g45381.t1	XP_003449562.1	uncharacterized protein KIAA0564
g3770.t1	O94854	Uncharacterized protein KIAA0754
g36177.t1	XP_004564929.1	uncharacterized protein KIAA0930
qifan_comp141713_c0_seq3	XP_005161110.1	uncharacterized protein KIAA1328
g36818.t1	XP_001341226.3	uncharacterized protein KIAA1462
pac_pacbio_411145895_2/0_2227	XP_005466789.1	uncharacterized protein KIAA1586
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g12539.t1	NP_001082917.1	uncharacterized protein LOC100000104
g19233.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008

g30237.t1	XP_001341616.1	uncharacterized protein LOC100001663
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
cdna_abby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
g11323.t1	XP_001344050.1	uncharacterized protein LOC100004848
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601
g50049.t1	XP_001345338.1	uncharacterized protein LOC100006655
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g1321.t1	XP_001345583.3	uncharacterized protein LOC100007012
qifan_comp232627_c0_seq1	XP_005159450.1	uncharacterized protein LOC100034474
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
skin_comp46055_c0_seq1	NP_001092726.1	uncharacterized protein LOC100093702
g48686.t1	NP_001096107.1	uncharacterized protein LOC100124611
g6001.t1	NP_001099159.1	uncharacterized protein LOC100126009
qifan_comp141121_c0_seq3	NP_001107480.1	uncharacterized protein LOC100135331
g33297.t1	NP_001110805.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_seq1	NP_001110857.1	uncharacterized protein LOC100141491
g14019.t1	NP_001121845.1	uncharacterized protein LOC100148025
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g9189.t1	XP_001920033.3	uncharacterized protein LOC100150699
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
g35931.t1	NP_001123759.1	uncharacterized protein LOC100170508
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
g23702.t1	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
qifan_comp75296_c0_seq1	NP_001129045.1	uncharacterized protein LOC100190888
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g46254.t1	XP_002170745.2	uncharacterized protein LOC100206555
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g50137.t1	XP_002194552.2	uncharacterized protein LOC100231590
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
skin_comp67029_c0_seq1	XP_002666669.1	uncharacterized protein LOC100331646
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
cdna_abby_k47:90104	XP_002936147.2	uncharacterized protein LOC100486038
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g24754.t1	XP_002941460.2	uncharacterized protein LOC100486543
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g855.t1	XP_002943045.1	uncharacterized protein LOC100496405
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein LOC100535981
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969

g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
g44605.t1	XP_003969162.1	uncharacterized protein LOC101061194
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g35122.t1	XP_003963312.1	uncharacterized protein LOC101065504
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g33785.t1	XP_003974119.1	uncharacterized protein LOC101067054
g18761.t1	XP_003972629.1	uncharacterized protein LOC101069228
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g39604.t1	XP_003979048.1	uncharacterized protein LOC101080246
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
blue_contig71116.1_3547	XP_004212194.1	uncharacterized protein LOC101240998
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
g56361.t1	XP_004556909.1	uncharacterized protein LOC101465870
pac_pacbio_410677548_1/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g9571.t1	XP_004539275.1	uncharacterized protein LOC101466841
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g8369.t1	XP_004553620.1	uncharacterized protein LOC101470917
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g43354.t1	XP_004572114.1	uncharacterized protein LOC101476797
g23641.t1	XP_004546534.1	uncharacterized protein LOC101477917
g16676.t1	XP_004542626.1	uncharacterized protein LOC101478545
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g2050.t1	XP_004549715.1	uncharacterized protein LOC101480956
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
XY_XY_ctg228176	XP_004559649.1	uncharacterized protein LOC101486530
g45360.t1	XP_004555615.1	uncharacterized protein LOC101487660
g23913.t1	XP_004559932.1	uncharacterized protein LOC101487865
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g17220.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g24760.t1	XP_004911591.1	uncharacterized protein LOC101732058
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139

g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
qifan_comp95407_c0_seq1	XP_004918303.1	uncharacterized protein LOC101734130
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
YY_jcf4735176	YP_005157769.1	uncharacterized protein LOC101882500
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
blue_Contig59197_1_16406	XP_005165144.1	uncharacterized protein LOC101884020
ncbimrna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein LOC101884337
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
pac_pacbio_411880460_1/68_3063	XP_005167244.1	uncharacterized protein LOC101886427
blue_Contig2553_1_35943	XP_005167008.1	uncharacterized protein LOC101887094
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
YY_jcf4885817	XP_005462000.1	uncharacterized protein LOC102080201
pac_pacbio_409643086_1/10_5139	XP_005466369.1	uncharacterized protein LOC102080911
alltrinity_comp207891_c0_seq5	XP_005451783.1	uncharacterized protein LOC102082977
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein LOC102698607
pac_pacbio_410785629_6/1_569	XP_006984659.1	uncharacterized protein LOC102926326
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42140.t1	NP_954967.1	uncharacterized protein LOC321250
g3038.t1	NP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g28662.t1	XP_002664218.1	uncharacterized protein LOC368914
g9818.t1	NP_999978.2	uncharacterized protein LOC407982
g33363.t1	NP_001002626.1	uncharacterized protein LOC436899
g26602.t1	NP_001003543.1	uncharacterized protein LOC445149
g25407.t1	NP_001124069.1	uncharacterized protein LOC492631
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
g41301.t1	NP_001013483.1	uncharacterized protein LOC541336
g23854.t1	NP_001014343.1	uncharacterized protein LOC541508
g2365.t1	NP_001017689.1	uncharacterized protein LOC550384
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g27157.t1	NP_001018542.1	uncharacterized protein LOC553735
g14601.t1	NP_001018548.1	uncharacterized protein LOC553741
g33471.t1	NP_001018552.1	uncharacterized protein LOC553745
alltrinity_comp196058_c0_seq3	NP_001018555.1	uncharacterized protein LOC553748
alltrinity_comp208038_c1_seq6	XP_005157483.1	uncharacterized protein LOC553749
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein LOC555281
g39957.t1	NP_001037797.1	uncharacterized protein LOC555399
alltrinity_comp209129_c0_seq1	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g43484.t1	NP_001139031.1	uncharacterized protein LOC555790
g41816.t1	NP_001082841.1	uncharacterized protein LOC555881
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
g58176.t1	NP_001139034.1	uncharacterized protein LOC556058
g32241.t1	NP_001103493.1	uncharacterized protein LOC556322
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
yu_Contig13501	NP_001038175.1	uncharacterized protein LOC557283
alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g20961.t1	NP_001038178.1	uncharacterized protein LOC557553
g19747.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
g45140.t1	XP_686699.4	uncharacterized protein LOC558404
g9007.t1	NP_001073645.1	uncharacterized protein LOC558918

g20482.t1	NP_001103851.1	uncharacterized protein LOC558938
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_seq1	NP_001122173.1	uncharacterized protein LOC560193
g39214.t1	XP_689123.2	uncharacterized protein LOC560634
g49660.t1	NP_001122178.1	uncharacterized protein LOC561073
qifan_comp153125_c1_seq8	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
alltrinity_comp193046_c0_seq1	XP_005157583.1	uncharacterized protein LOC564082
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g22750.t1	NP_001243088.1	uncharacterized protein LOC564601
alltrinity_comp196688_c0_seq25	XP_693489.5	uncharacterized protein LOC565101
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g44378.t1	XP_695258.2	uncharacterized protein LOC566882
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g34265.t1	NP_001116758.1	uncharacterized protein LOC568003
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g1737.t1	NP_001077321.1	uncharacterized protein LOC570464
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
g41314.t1	XP_700108.4	uncharacterized protein LOC571430
g42991.t1	NP_001108529.1	uncharacterized protein LOC571548
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g49359.t1	NP_001032667.1	uncharacterized protein LOC641580
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
g47636.t1	NP_001038832.1	uncharacterized protein LOC751650
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g30647.t1	NP_001116774.1	uncharacterized protein LOC791449
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g54386.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_abby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019
g8416.t1	XP_001335286.1	uncharacterized protein LOC797003
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g44342.t1	NP_001122274.1	uncharacterized protein LOC798626
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
qifan_comp64217_c0_seq1	XP_005170187.1	uncharacterized protein LOC799904
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_abby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-106l3.7
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
alltrinity_comp197657_c0_seq1	XP_697773.3	uncharacterized protein si:dkey-98j1.5

pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
g31120.t1	NP_001025316.1	unconventional prefoldin RPB5 interactor
qifan_comp181544_c0_seq1	AAI33100.1	Unknown (protein for IMAGE:6523990)
g20175.t1	AAI68513.1	Unknown (protein for IMAGE:6962011)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g10046.t1	CAG10182.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
alltrinity_comp184019_c0_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
qifan_comp141175_c0_seq3	XP_005159156.1	UPF0183 protein C16orf70
g29068.t1	Q9D9S1	UPF0193 protein EVG1
g8227.t1	XP_004547440.1	UPF0444 transmembrane protein C12orf23
g31667.t1	NP_001188155.1	upf0449 protein c19orf25
g48685.t1	NP_001138278.1	UPF0452 protein C7orf41
g41298.t1	XP_003438646.1	UPF0488 protein C8orf33
g11140.t1	NP_001188061.1	upf0490 protein c1orf201
g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
g20963.t1	NP_001188144.1	upf0552 protein c15orf38
g25743.t1	XP_004570228.1	UPF0556 protein C19orf10
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
g27604.t1	ADO27753.1	upf0602 protein c4orf47
56_ccaa	ADO28726.1	upf0608 protein c19orf42
g42599.t1	XP_001333493.1	UPF0628 protein C10orf96
g5754.t1	NP_001257406.1	UPF0632 protein A
g56469.t1	ELK32536.1	UPF0639 protein
qifan_comp44076_c0_seq1	NP_001035077.1	UPF0693 protein C10orf32
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
g39548.t1	NP_001093491.2	UPF0722 protein C11orf88
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein C1orf227
cdna_vet_k79:94857	NP_001038883.1	UPF0740 protein C1orf192
g27445.t1	XP_694540.3	UPF0764 protein C16orf89
g35986.t1	NP_001187816.1	upper zone of growth plate and cartilage matrix associated
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g13373.t1	XP_004937023.1	uro-adherence factor A
g32414.t1	XP_003442715.1	urocortin-3
g20036.t1	XP_696200.4	uromodulin-like 1
g53242.t1	NP_001027901.1	uronyl 2-sulfotransferase
qifan_comp136235_c0_seq1	NP_001093533.1	uroplakin 3b
g56082.t1	NP_001035332.1	uroplakin-1a
g31651.t1	XP_001921192.2	Usher syndrome type-1C protein-binding protein 1
g10356.t1	XP_697435.4	Usherin
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g4939.t1	NP_001189353.1	vacuolar ATPase assembly integral membrane protein vma21
g10618.t1	XP_004560088.1	vacuolar protein sorting-associated protein 13B
g13851.t1	BAM66237.1	vascular associated protein
g21559.t1	Q8AXB3.1	Vascular endothelial growth factor receptor kdr
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
qifan_comp171075_c0_seq1	XP_003455798.2	vesicular, overexpressed in cancer, prosurvival protein 1
g17789.t1	ACX35602.1	VHSV-induced protein
g21761.t1	NP_001233274.1	VIG-B319.A protein
g31661.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A
g36598.t1	XP_001920550.3	voltage-dependent T-type calcium channel subunit alpha-1G
g47503.t1	XP_003198197.1	voltage-dependent T-type calcium channel subunit alpha-1H
g21239.t1	XP_694715.4	voltage-dependent T-type calcium channel subunit alpha-1I
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g15935.t1	XP_002942463.2	vomer nasal type-2 receptor 26
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g27024.t1	ACI65696.1	WAP1-like protein 1
g16736.t1	NP_001002726.2	WD repeat and HMG-box DNA-binding protein 1
g1172.t1	XP_004911231.1	WD repeat-containing protein 17
g53305.t1	XP_003220290.1	WD repeat-containing protein 65
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
alltrinity_comp165287_c1_seq1	XP_003199030.2	WD repeat-containing protein KIAA1875
g13202.t1	XP_001232879.3	Wilms tumor protein 1-interacting protein
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4

g27178.t1	AAL75953.1	X-box binding protein 1B
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
cdna_clc_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g37071.t1	WP_008521804.1	xyllella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g37683.t1	XP_001095820.2	YEATS domain-containing protein 2
g20059.t1	AAI52526.1	Zcchc7l protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g9793.t1	AAI53570.1	Zgc:101624 protein
g26825.t1	AAI55809.1	Zgc:110694 protein
g48598.t1	AAH76305.1	Zgc:111826 protein
g28651.t1	AAH91871.1	Zgc:112945
qifan_comp175963_c0_seq1	XP_005162501.1	zgc:112994
g49639.t1	AAI24324.1	Zgc:153348
g10677.t1	AAH90183.1	Zgc:158151 protein
g22092.t1	AAI24676.1	Zgc:161969 protein
g31544.t1	AAI24720.1	Zgc:162344 protein
g30312.t1	AAI15112.1	Zgc:165430 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g52808.t1	AAI42874.1	Zgc:173439 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
yu_Contig14874	XP_003200465.2	zinc finger B-box domain-containing protein 1
g17305.t1	XP_004550306.1	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g33740.t1	XP_693211.3	zinc finger CCHC domain-containing protein 2
g9597.t1	XP_001332542.4	zinc finger CCHC domain-containing protein 7
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
g33738.t1	XP_003391482.1	zinc finger MYM-type protein 1
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g11008.t1	XP_696961.2	zinc finger protein 16
g53020.t1	XP_004569526.1	zinc finger protein 235
g11962.t1	ELK38750.1	Zinc finger protein 300
g24285.t1	NP_001073499.1	zinc finger protein 423
g51980.t1	Q96IG9	Zinc finger protein 469
g54018.t1	XP_693857.3	zinc finger protein 536
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g11810.t1	XP_002663149.2	zinc finger protein GLIS1
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g22005.t1	NP_001187614.1	zinc transporter zip11
g54687.t1	AGE89832.1	znf219
g37153.t1	XP_004539009.1	zona pellucida sperm-binding protein 3
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwillung B

Supplemental table 28. Catfish specific genes compared to platyfish

id	access number	Description
g50290.t1	Q1LWVG3.1	39S ribosomal protein L36, mitochondrial
g29578.t1	Q27BU5	5'-nucleotidase domain-containing protein 1
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g42037.t1	XP_003455258.1	A disintegrin and metalloproteinase with thrombospondin motifs 2
g34556.t1	XP_001465588.1	A2 protein
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein sla1
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g32060.t1	XP_003454919.1	activating signal cointegrator 1 complex subunit 3
g39441.t1	Q5SSL4	Active breakpoint cluster region-related protein
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g34013.t1	XP_004570992.1	adherens junction-associated protein 1
g16423.t1	Q25460	Adhesive plaque matrix protein
g15902.t1	XP_002661109.2	ADP-ribosylation factor-binding protein GGA3
g39916.t1	XP_686655.4	afadin
g12929.t1	P07898	Aggrecan core protein
g49471.t1	XP_003198954.1	a-kinase anchor protein 13
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g45262.t1	NP_956407.1	alkyldihydroxyacetonephosphate synthase, peroxisomal
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g9139.t1	XP_001923689.3	alpha-L-iduronidase
g11109.t1	XP_004674152.1	amine sulfotransferase
g34348.t1	NP_001116730.1	aminopeptidase O
g871.t1	BAF93906.1	amylopullulanase
g55434.t1	AAM09278.1	androgen receptor
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g48408.t1	NP_001007295.1	ankyrin repeat domain-containing protein 9
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
yu_Contig25459	ACI15894.1	apolipoprotein C-1
g9775.t1	P23529	Apolipoprotein E
g12007.t1	BAA00422.1	apopolysialoglycoprotein
g56166.t1	XP_004565640.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
g26351.t1	AAH96813.1	Arl15b protein
g6851.t1	CBN81746.1	Armadillo repeat-containing protein 4
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g29600.t1	XP_003975592.1	astroactin-1
g35207.t1	XP_004662740.1	astroactin-2
g47300.t1	XP_004074397.1	AT-hook DNA-binding motif-containing protein 1
395_caa	AAL93226.1	ATP synthase F0 subunit 8
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g25377.t1	NP_001096143.1	atrial natriuretic peptide receptor 3
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g38946.t1	NP_001038332.1	ATR-interacting protein
alltrinity_comp155303_c0_seq1	NP_001188371.1	avidin
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
yu_Contig1465	NP_956593.1	Bardet-Biedl syndrome 5 protein
g10579.t1	XP_001919171.2	b-cell receptor CD22
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g45968.t1	EBH16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g24377.t1	NP_001121857.1	beta-1,4-galactosyltransferase 2
g23678.t1	NP_957160.1	beta-catenin-like protein 1
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	ABI18126.1	Bid
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g29331.t1	XP_003446525.1	bis(5'-adenosyl)-triphosphatase
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4

g15472.t1	Q1RM09	Brain acid soluble protein 1
g58064.t1	PF13882.1	Bravo_FIGEY
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g44361.t1	XP_693134.1	bromo adjacent homology domain-containing 1 protein
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g53505.t1	XP_004541039.1	BTB/POZ domain-containing protein KCTD8
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g57258.t1	XP_002662035.2	butyrophilin protein 2
g23101.t1	XP_003198101.1	butyrophilin subfamily 1 member A1
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g25960.t1	NP_571156.2	cadherin-2
g21103.t1	CBV36645.1	CagY protein
g33756.t1	Q14123	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g3133.t1	XP_002939992.1	calcyphosin-2
g46964.t1	XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20782.t1	XP_004547274.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g48974.t1	XP_682906.3	caskin-1
g37606.t1	NP_001180580.1	catenin delta-2
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g39939.t1	XP_004550729.1	cation-independent mannose-6-phosphate receptor
g42472.t1	NP_001134846.1	CB050 protein
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g42257.t1	ABA54962.1	CC chemokine SCYA115
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g29525.t1	XP_003459734.1	CD2-associated protein
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g14076.t1	NP_001002661.1	cell cycle checkpoint protein RAD17
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g8477.t1	XP_001343147.2	cell surface A33 antigen
alltrinity_comp209178_c0_seq3	XP_001920764.4	cell wall protein DAN4
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g47529.t1	XP_001919236.3	centriolin
g39933.t1	Q5BQN8	Centromere protein J
yu_Contig20690	XP_709181.2	centromere protein W
g41823.t1	P85001	Centrosomal protein of 290 kDa
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g10206.t1	NP_001098184.1	cGMP-dependent protein kinase I alpha
		Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor
		Domains
g2844.t1	2HT1_A	chemokine CCL-C25a
qifan_comp131006_c0_seq1	BAF98240.1	chitinase 2
g29247.t1	BAJ51754.1	chloroquine resistance marker protein
g33507.t1	AAK49448.1	chondroitin sulfate proteoglycan 4
g1038.t1	XP_004916553.1	chromosomal protein D1
g44608.t1	XP_706416.1	c-Jun-amino-terminal kinase-interacting protein 1
g49852.t1	XP_003201433.1	c-Jun-amino-terminal kinase-interacting protein 3
alltrinity_comp199220_c1_seq1	XP_005798921.1	coiled-coil domain containing 138
g14512.t1	NP_001089412.1	coiled-coil domain containing 57
g36807.t1	NP_001188491.1	coiled-coil domain-containing protein 103
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 105
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 125
g14077.t1	NP_001091652.1	coiled-coil domain-containing protein 132
g48808.t1	XP_003457313.1	coiled-coil domain-containing protein 138
yu_Contig12652	XP_005452005.1	coiled-coil domain-containing protein 148
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 15
g39539.t1	XP_002666418.2	

g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
qifan_comp145183_c0_seq5	XP_001341200.4	coiled-coil domain-containing protein 17
g41418.t1	XP_001334826.3	coiled-coil domain-containing protein 178
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
yu_Contig3450	NP_001039310.1	coiled-coil domain-containing protein 34
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g17238.t1	XP_003198830.1	coiled-coil domain-containing protein 37
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g18730.t1	EMP35025.1	Coiled-coil domain-containing protein 81
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g40624.t1	XP_004763581.1	coiled-coil domain-containing protein 83
g23148.t1	NP_001038849.1	coiled-coil domain-containing protein 85C-A
g43982.t1	XP_003200359.1	coiled-coil domain-containing protein C6orf97
g34272.t1	NP_001187666.1	colipase
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g57796.t1	XP_004554551.1	collagen alpha-1(XXV) chain
g10582.t1	P27393	Collagen alpha-2(IV) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
g30347.t1	NP_001187672.1	comm domain-containing protein 7
g32356.t1	XP_004076492.1	complement factor B
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g13094.t1	XP_002771495.1	conserved hypothetical protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g45182.t1	XP_004557712.1	cordon-bleu protein-like 1
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticoliberin
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g47993.t1	NP_571167.1	cryptic protein
g14948.t1	XP_003978668.1	CST complex subunit CTC1
g50715.t1	XP_004560147.1	CUB domain-containing protein 1
qifan_comp141134_c0_seq2	XP_005165469.1	C-X-C motif chemokine 11
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
qifan_comp284549_c0_seq1	NP_001082834.1	cyclin-D1-binding protein 1
qifan_comp72166_c0_seq2	XP_005808049.1	cysteine and tyrosine-rich protein 1
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
g20977.t1	NP_001038348.1	cystic fibrosis transmembrane conductance regulator
g57428.t1	XP_004078676.1	cytochrome oxidase assembly protein 1
g33649.t1	ADK22855.1	cytokine receptor family member b16
g35568.t1	XP_697274.2	cytoskeleton-associated protein 2
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
g8392.t1	XP_692458.2	cytospin-A
g39425.t1	XP_690827.4	cytospin-B
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g30928.t1	PF13358.1	DDE_3
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g20849.t1	XP_689212.5	DENN domain-containing protein 1A
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g51484.t1	XP_003201445.1	diacylglycerol kinase zeta
g53629.t1	ABI79462.1	diaphanous 2
g35636.t1	XP_003455577.1	disabled homolog 2-interacting protein
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g27407.t1	XP_001340947.4	disks large homolog 4
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g41202.t1	NP_001012518.1	DNA endonuclease RBBP8
g22736.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g35938.t1	XP_002937585.2	DNA helicase B
g1065.t1	NP_001119860.1	DNA ligase 1
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g50305.t1	XP_686065.4	DNA polymerase sigma
g17934.t1	XP_003453064.1	DNA polymerase zeta catalytic subunit
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g31402.t1	XP_003582892.1	DNL-type zinc finger protein
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21

g52014.t1	O09112	Dual specificity protein phosphatase 8
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
g39402.t1	XP_003978902.1	dynein heavy chain 9, axonemal
yu_Contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g16671.t1	ACN10102.1	Dysbindin
g56136.t1	AAI62536.1	Dzip1 protein
g11061.t1	NP_001187443.1	e3 sumo-protein ligase nse2
g27934.t1	XP_003451169.1	E3 ubiquitin/ISG15 ligase TRIM25
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g33285.t1	XP_003199987.1	e3 ubiquitin-protein ligase RNF130
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g7829.t1	XP_001921590.3	E3 ubiquitin-protein ligase UBR2
alltrinity_comp206249_c0_seq2	XP_684807.6	E3 ubiquitin-protein ligase ZNRF3
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g19209.t1	NP_001017812.1	EF-hand calcium-binding domain-containing protein 11
g17234.t1	NP_001187690.1	ef-hand calcium-binding domain-containing protein 2
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g21451.t1	AAS99349.1	EGF-like-domain multiple 7
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g1750.t1	XP_003970691.1	elongation of very long chain fatty acids protein 6
g47146.t1	XP_003444085.1	elongator complex protein 2
g27683.t1	XP_001922506.1	ensconsin
g56953.t1	NP_001191483.1	enterin neuropeptides
g641.t1	NP_001098368.1	enteropeptidase-1
g32849.t1	ABB52638.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g1334.t1	Q7L775	EPM2A-interacting protein 1
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g12959.t1	NP_001187003.1	estrogen receptor
g40389.t1	A2VD00	Eukaryotic translation initiation factor 3 subunit A
g12494.t1	Q04637	Eukaryotic translation initiation factor 4 gamma 1
g25715.t1	XP_694490.4	eukaryotic translation initiation factor 4 gamma 3
g47020.t1	AAI29289.1	Evi5 protein
g17153.t1	NP_001104627.1	Ewing tumor-associated antigen 1
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g6236.t1	NP_001134258.1	FAM100A
alltrinity_comp198906_c0_seq2	XP_005739109.1	Fanconi anemia group A protein
g36769.t1	XP_001341227.3	Fanconi anemia-associated protein of 100 kDa
g34357.t1	PF02106.10	Fanconi_C
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g37966.t1	NP_571596.1	F-box/WD repeat-containing protein 4
g33391.t1	NP_001187145.1	FcR gamma subunit
g25910.t1	AAO74862.1	fetuin long form
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g59099.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
g58004.t1	YP_123587.1	FimV protein
alltrinity_comp177831_c2_seq1	XP_005474143.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1
g54810.t1	ACJ36222.1	forkhead box P1b
g16594.t1	XP_694795.5	formin 2
g20767.t1	XP_003974564.1	frataxin, mitochondrial
qifan_comp146158_c0_seq1	NP_001188353.1	FXD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
g49240.t1	XP_004562124.1	G2/M phase-specific E3 ubiquitin-protein ligase
g48426.t1	AAI00037.1	G2e3 protein
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g37416.t1	CBN80957.1	Gag-protease
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36640.t1	NP_001140110.1	Gap junction beta-5 protein
g6093.t1	P29007	Gastrin-releasing peptide
g14371.t1	XP_003419477.1	general transcription factor II-I repeat domain-containing protein 2
g13948.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g14373.t1	XP_003458436.1	general transcription factor II-I repeat domain-containing protein 2B
g30788.t1	XP_004539451.1	genetic suppressor element 1

g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g25651.t1	AAC96120.1	glycinamide ribonucleotide transformylase
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g9082.t1	NP_001032450.1	glypican-1
g27670.t1	XP_688014.3	glypican-3
g3034.t1	YP_302666.1	gp140
g490.t1	XP_004071680.1	G-protein coupled receptor 183
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
g47755.t1	XP_004544019.1	GRAM domain-containing protein 1B
blue_Contig88505.1_12002	ACO08828.1	GSK-3-binding protein
g24953.t1	ACI33817.1	GTPase IMAP family member 4
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g2397.t1	NP_001002343.1	guanylate binding protein 1
g26899.t1	EHB09859.1	Guanylate cyclase soluble subunit beta-2
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g29914.t1	ELW69465.1	HBS1-like protein
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g56586.t1	XP_003204580.1	HCLS1-binding protein 3
g53621.t1	XP_003272397.2	heat shock factor protein 5
g25287.t1	NP_001188049.1	heat shock protein beta-11
g28544.t1	AAH33020.1	Heat shock transcription factor family member 5
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g40525.t1	NP_001188323.1	hepcidin
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g42912.t1	P06350	Histone H1
g1153.t1	XP_004898163.1	histone H4
g6844.t1	NP_001167383.1	histone-lysine N-methyltransferase PRDM9
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
qifan_comp148664_c2_seq4	NP_001134497.1	hydroxypyruvate isomerase
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g16051.t1	XP_001895429.1	hypothetical protein Bm1_19870
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g5480.t1	XP_002609682.1	hypothetical protein BRAFLDRAFT_123581
g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g14380.t1	XP_002605224.1	hypothetical protein BRAFLDRAFT_126603
g39363.t1	XP_002603613.1	hypothetical protein BRAFLDRAFT_126923
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g11401.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070

g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g28275.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g7223.t1	ELT96916.1	hypothetical protein CAPTEDRAFT_203287
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_15852	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSYa_0654
g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g21052.t1	XP_002614835.1	hypothetical protein CLUG_04850
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g26742.t1	XP_003090924.1	hypothetical protein CRE_02700
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g50907.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
pac_pacbio_412375902_2/3_3533	EHB04114.1	hypothetical protein GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein lscW_JSCW012389
g26906.t1	EHJ64573.1	hypothetical protein KGM_05799
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g33241.t1	NP_965518.1	hypothetical protein LJ1711
g8456.t1	XP_001922778.2	hypothetical protein LOC100000228
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g22195.t1	XP_001341343.3	hypothetical protein LOC100001321

g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g51443.t1	XP_003200637.1	hypothetical protein LOC100034587
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g48374.t1	XP_001921749.3	hypothetical protein LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g12971.t1	XP_001919813.2	hypothetical protein LOC100150366
g19796.t1	XP_001920901.2	hypothetical protein LOC100150454
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10383.t1	XP_001922042.3	hypothetical protein LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g31988.t1	XP_002664361.1	hypothetical protein LOC100329833
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g21958.t1	XP_002664136.2	hypothetical protein LOC100330539
g20608.t1	XP_002661760.2	hypothetical protein LOC100330775
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g57841.t1	XP_002662026.2	hypothetical protein LOC100333032
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein LOC100535628
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g23318.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g16515.t1	XP_003198458.1	hypothetical protein LOC100536930
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g22727.t1	XP_003200253.1	hypothetical protein LOC100537945
g411.t1	XP_003198218.1	hypothetical protein LOC100538074
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g835.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein LOC100636977
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135

g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g26285.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g30120.t1	XP_003455374.1	hypothetical protein LOC100701766
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g20224.t1	XP_003455887.1	hypothetical protein LOC100708291
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g31218.t1	XP_003459981.1	hypothetical protein LOC100709753
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g34937.t1	XP_002664857.1	hypothetical protein LOC323246
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g5611.t1	XP_003200393.1	hypothetical protein LOC449979
g11708.t1	XP_002663454.2	hypothetical protein LOC450004
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g30513.t1	XP_685048.4	hypothetical protein LOC557000
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g26060.t1	XP_003200745.1	hypothetical protein LOC559994
g19546.t1	XP_003200581.1	hypothetical protein LOC560266
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g21983.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g25754.t1	XP_695219.4	hypothetical protein LOC566840
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g40615.t1	XP_697364.2	hypothetical protein LOC568911
g53599.t1	XP_697757.3	hypothetical protein LOC569287
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g50441.t1	XP_001333061.3	hypothetical protein LOC793321
g57140.t1	XP_001333219.1	hypothetical protein LOC793455
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g49887.t1	XP_003201482.1	hypothetical protein LOC796632
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456

g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g39084.t1	XP_001339544.1	hypothetical protein LOC799157
g31791.t1	XP_001921144.1	hypothetical protein LOC799340
pac_pacbio_411861709_2/3_6178	ESP02324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g22756.t1	ELR52716.1	hypothetical protein M91_08923
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
blue_Contig24375.1_15225	EFB19264.1	hypothetical protein PANDA_012508
g42457.t1	YP_660931.1	hypothetical protein Pat1_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PycPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
pac_pacbio_411898645_5/245_1680	YP_251955.1	hypothetical protein SH0040
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_409695269_4/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390
pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
pac_pacbio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	lfi-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g48544.t1	PF02372.10	IL15
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g13717.t1	NP_001108170.1	immunity-related GTPase family, f1
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g16935.t1	P02976	Immunoglobulin G-binding protein A
g1746.t1	AAA82596.1	immunoglobulin light chain F class
g51417.t1	ACS94421.1	immunoglobulin light chain III variable region
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g47800.t1	XP_689709.3	immunoglobulin superfamily member 5
g15041.t1	ELW66259.1	Importin-11
g53357.t1	Q7Z5P9	ln
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g13672.t1	PF04156.9	lncA

g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g17273.t1	XP_002665435.2	inositol-trisphosphate 3-kinase C
g12722.t1	NP_001187224.1	insulin-like growth factor I
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g24778.t1	XP_002662615.2	integral membrane protein GPR180
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g35958.t1	NP_001187263.1	interferon gamma
g39506.t1	XP_003455952.1	interferon-induced protein 44
g56083.t1	EMP30003.1	Interferon-inducible GTPase 5
g35959.t1	NP_001018635.1	interleukin 26
g38243.t1	NP_001106979.2	interleukin 7 receptor
g38699.t1	P43303	Interleukin-1 receptor type 2, membrane form
g4934.t1	XP_004565503.1	interleukin-17 receptor D
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
alltrinity_comp182885_c0_seq2	ADB81777.1	interleukin-21
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
yu_Contig4862	AAAN41455.1	interleukin-8 variant 3
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein USO1
g24054.t1	P07476	Involucrin
g30719.t1	EMP37633.1	IQ domain-containing protein G
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g56644.t1	XP_005027243.1	kelch-like protein 10
g26089.t1	XP_003971629.1	kelch-like protein 29
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
ncbimrna_375790490	XP_005164234.1	keratin-associated protein 9-2
g51567.t1	PF13879.1	KIAA1430
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2 homolog
g19173.t1	XP_001565787.1	kinetoplast-associated protein
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g56413.t1	NP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g1395.t1	XP_690670.4	latent-transforming growth factor beta-binding protein 1
g15807.t1	XP_002733056.1	latrophilin 2
g29830.t1	NP_999924.1	legumain
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g30718.t1	XP_003200463.1	leucine-rich repeat and calponin homology domain-containing protein 3
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g20799.t1	ACN60270.1	Leucine-rich repeat-containing protein 47
g13063.t1	XP_004713085.1	leucine-rich repeat-containing protein 48
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g17866.t1	NP_001186852.1	leucine-rich repeat-containing protein KIAA1731
g24646.t1	XP_001923860.1	leukemia NUP98 fusion partner 1
g1599.t1	CAR94535.1	leukocyte cell-derived chemotaxin 2
g38845.t1	NP_001187136.1	leukocyte immune-type receptor 3
g46709.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g46156.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g39925.t1	AAH88826.1	LOC496308 protein
g16114.t1	AAI34108.1	LOC557892 protein
qifan_comp228097_c0_seq1	AAI25887.1	LOC565118 protein
cdna_aby_k55:1035126	AAI34074.1	LOC570443 protein
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1

g45470.t1	Q25060.1	LWamide neuropeptides
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
g7407.t1	XP_003976726.1	lymphokine-activated killer T-cell-originated protein kinase
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1
g37317.t1	XP_004065665.1	lysozyme C, milk isozyme
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g17708.t1	ACI67278.1	Magnesium-dependent phosphatase 1
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g19432.t1	NP_001188075.1	malate dehydrogenase
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g7676.t1	PF05672.6	MAP7
g15185.t1	XP_002735800.1	matriptase
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g18370.t1	EDL20200.1	mCG145728
g40659.t1	PF05669.7	Med31
g35810.t1	NP_001187889.1	meiosis expressed gene 1 protein
g53157.t1	NP_001153485.1	meiosis-specific protein MEI4
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g43218.t1	XP_003198596.1	membrane-spanning 4-domains subfamily A member 4A
g43215.t1	NP_001017670.1	membrane-spanning 4-domains, subfamily A, member 17A
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentrin
g14285.t1	Q7ZWV9	Methionine aminopeptidase 1
g27153.t1	AAD39870.1	MHC class II antigen
g1528.t1	XP_003218591.1	microsomal triglyceride transfer protein large subunit
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g49033.t1	ACI66858.1	Mitochondrial 39S ribosomal protein L49
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g38582.t1	ADO28791.1	mitochondrial cytochrome c oxidase subunit 7b
g14259.t1	XP_003198763.1	mitochondrial import inner membrane translocase subunit Tim22
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g23383.t1	ACI68782.1	Mitochondrial ribosomal protein S23
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
pac_pacbio_410689841_1/34_1696	EMP27574.1	Mps one binder kinase activator-like 2A
g53182.t1	NP_001167228.1	mRNA-capping enzyme
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g25059.t1	EPQ10665.1	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g22942.t1	XP_003976729.1	myelin gene regulatory factor
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp135352_c0_seq1	BAB16024.1	myeloid protein-1
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g18721.t1	XP_002940277.2	myosin-11
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIIb
g858.t1	AGI42757.1	myoxovirus resistance protein B
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g48593.t1	XP_003440536.1	N-acetyl-beta-D-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6

g34582.t1	CBN80989.1	N-acylethanolamine-hydrolyzing acid amidase
g15019.t1	ADO28298.1	n-acylneuramate cytidyltransferase
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g39069.t1	ADO27823.1	natterin
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g40622.t1	AAAT02665.1	neural friend of GATA-A
g7924.t1	XP_004915774.1	neurofilament heavy polypeptide
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACJ64069.1	neuromedin s
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g24656.t1	XP_003455418.1	neuronal growth regulator 1
g40728.t1	XP_003198998.1	neurosecretory protein VGF
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
g10281.t1	AAI35015.1	Noc3l protein
g32476.t1	NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g41968.t1	NP_001187235.1	novel immune-type receptor 16
g22948.t1	CAI21354.1	novel protein
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g25772.t1	XP_004557062.1	nuclear factor 1 A-type
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g31202.t1	XP_003455431.1	nuclear receptor-interacting protein 3
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g22043.t1	XP_002664363.2	nucleolin 2
yu_k62:1642778	NP_001025274.1	nucleoside diphosphate-linked moiety X motif 17
g17832.t1	PF12882.2	NUT_C
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
alltrinity_comp183206_c0_seq1	XP_005170482.1	oogenesis-related gene
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g22847.t1	ABD75623.1	orf1ab polyprotein
g11628.t1	NP_997836.1	origin recognition complex subunit 6
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g43094.t1	NP_001134930.1	P2Y purinoceptor 1
g29706.t1	AAH56084.1	P42pop protein
g35153.t1	AAD27752.1	p73
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g41819.t1	P15743	Parathyroid hormone
cdna_vet_k47:719640	NP_998114.1	parathyroid hormone 1b
g45128.t1	XP_005016951.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g11064.t1	YP_001107629.1	PE-PGRS family protein
g4101.t1	BAM76489.1	pepsinogen
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g40027.t1	XP_004083366.1	peroxisomal targeting signal 2 receptor
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4

g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
qifan_comp67057_c0_seq1	ACN09856.1	Phospholemman
g14975.t1	XP_004550736.1	phospholipase B1, membrane-associated
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g48767.t1	XP_003200660.1	phosphoprotein associated with glycosphingolipid-enriched microdomains 1
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g12084.t1	EMP41082.1	Phosphorylase b kinase gamma catalytic chain
g29426.t1	XP_698197.5	phosphorylase b kinase regulatory subunit beta
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g17763.t1	NP_957501.1	pleckstrin homology domain-containing family A member 3
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
alltrinity_comp202269_c0_seq11	XP_005156395.1	pleckstrin domain-containing family S member 1
g40062.t1	XP_003410187.1	plexin-A2
g44731.t1	XP_004553914.1	plexin-C1
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g11561.t1	Q9NQS3	Poliovirus receptor-related protein 3
g1059.t1	BAC82606.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g9576.t1	XP_004557932.1	potassium voltage-gated channel subfamily E member 2
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g2182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein
blue_Contig73650.1_5861	XP_001785031.1	predicted protein_11_n
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g19904.t1	NP_001187244.1	preproghrelin-1
g3526.t1	EGW05636.1	Prestalk protein
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g12043.t1	XP_004548485.1	PRKC apoptosis WT1 regulator protein
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g26844.t1	Q8IZF6	Probable G-protein coupled receptor 112
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g1894.t1	XP_003199178.1	probable G-protein coupled receptor 133
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g15798.t1	AAG47643.1	progastricin
g10404.t1	XP_004566478.1	proline and serine-rich protein 2
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
qifan_comp148759_c1_seq6	XP_695751.4	proline-rich protein 11
g27019.t1	XP_004478809.1	proline-rich protein 2
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g4675.t1	NP_001130019.1	Prop-1-like homeobox protein
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g46354.t1	XP_706427.1	prostate stem cell antigen
g21232.t1	NP_001153456.1	protein AF1q
g22742.t1	NP_001124239.1	protein arginine methyltransferase 9
g35809.t1	NP_001038566.1	protein artemis
g51653.t1	I6V1W0	Protein brambleberry
g41295.t1	XP_003438824.1	protein CCSMST1
g41283.t1	E7F568.2	Protein cordon-bleu
g32493.t1	XP_003973424.1	protein DD11 homolog 2
g20822.t1	XP_003206010.1	protein Dok-7
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g22887.t1	XP_003199107.1	protein FAM150
g47603.t1	Q7T297.2	Protein FAM172A
g21366.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g57503.t1	XP_004542702.1	protein FAM194A
g48523.t1	XP_004545492.1	protein FAM196B

g51832.t1	Q8TCP9	Protein FAM200A
g47630.t1	XP_001503756.1	protein FAM81B
g6892.t1	ELW61426.1	Protein Filia
g33732.t1	XP_001337543.1	protein fuzzy
g13785.t1	XP_003504247.1	protein IWS1
g10115.t1	Q1LVC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g21518.t1	NP_001155070.1	protein kinase domain-containing protein, cytoplasmic
g41855.t1	XP_003458800.1	protein MTO1 homolog, mitochondrial
g13014.t1	XP_004084629.1	protein NLRC3
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g11758.t1	XP_002259357.1	protein phosphatase
alltrinity_comp202628_c4_seq1	XP_005797030.1	protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g23048.t1	NP_001038856.1	protein phosphatase 1 regulatory subunit 35
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq1	XP_005162407.1	protein pitchfork
g53035.t1	XP_690522.1	protein QN1
yu_k52:17550	NP_001034199.2	protein ripply3
g11311.t1	XP_698471.1	protein S100-A1
g14308.t1	P18583	Protein SON
225_ccaa	AHH42861.1	Protein starmaker
g44010.t1	NP_001245157.1	protein TALPID3
g6472.t1	XP_002661201.2	protein TANC2
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B
g8084.t1	XP_003198663.1	protein unc-13 homolog A
qifan_comp133175_c0_seq1	NP_919357.2	prothymosin alpha-A
g48886.t1	Q8BNA6	Protocadherin Fat 3
g27777.t1	XP_002664482.2	protocadherin-11 X-linked
g53665.t1	ACQ72597.1	protocadherin-19
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_c0_seq1	XP_006627932.1	Purkinje cell protein 4
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g51665.t1	Q9CWU0	Putative ATP-dependent RNA helicase TDRD12
g19337.t1	B8A4F4	Putative ATP-dependent RNA helicase TDRD9
g46536.t1	XP_002938980.2	putative defense protein 3
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g13273.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
blue_Contig74137.1_6994	XP_005295324.1	putative golgin subfamily A member 6C
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
pac_pacbio_410139138_1/8_1031	XP_003244703.1	putative nuclease HARBI1
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
XY_XY_ctg488300	CBL94163.1	putative RNA-directed DNA polymerase
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
skin_comp42512_c0_seq1	CAF92508.1	Putative transmembrane protein LOC100289255
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein CXorf58
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31244.t1	XP_003197692.1	putative uncharacterized protein ENSP00000382790
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g49845.t1	CBN81155.1	Rac GTPase-activating protein 1
qifan_comp288907_c0_seq1	XP_005160464.1	RAD51 paralog B
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g53492.t1	XP_002734139.1	RAS protein activator like 1
g56421.t1	NP_001096163.1	RCAN family member 3
g29312.t1	CBN80955.1	Receptor-type tyrosine-protein phosphatase gamma
g14844.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g14830.t1	XP_004567783.1	reelin
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g27348.t1	O54829	Regulator of G-protein signaling 7
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g16208.t1	XP_003972313.1	reticulon-3

g49661.t1	NP_001187815.1	retinoblastoma binding protein 9
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g41619.t1	XP_003455292.1	retinoic acid receptor beta
g26575.t1	XP_002739124.1	RETRtransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
pac_pacbio_410446628_1/14_8409	AAL35360.1	reverse transcriptase/ribonuclease H/putative methyltransferase
g8377.t1	XP_004552665.1	rho GTPase-activating protein 6
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g30186.t1	XP_696040.4	rho guanine nucleotide exchange factor 10-like protein
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g25469.t1	XP_003443438.1	RING finger protein 212
g14749.t1	EMC80488.1	RING finger protein 213
g57529.t1	ADO27902.1	ring finger protein 32
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylylase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_seq5	XP_005167635.1	RNA-binding protein 44
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
g48238.t1	XP_004571181.1	rootletin
pac_pacbio_409846677_2/23_1287	EUB55374.1	rRNA promoter binding protein
g52285.t1	PF00078.22	RVT_1
g29414.t1	NP_001187730.1	s-adenosylmethionine mitochondrial carrier protein
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
g46997.t1	AAV68499.1	SAP-97A
g250.t1	PF02023.12	SCAN
g11099.t1	XP_003199418.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g52941.t1	XP_001920334.3	SCO-spondin
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g25061.t1	NP_001245158.1	selectin P ligand
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g55918.t1	NP_919398.1	selenoprotein W, 2a
g55919.t1	NP_919399.3	selenoprotein W, 2b
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37032.t1	XP_003976101.1	serine hydrolase protein
pac_pacbio_412191777_1/0_3199	XP_001333401.1	serine/arginine repetitive matrix protein 1
g6633.t1	EMP25055.1	Serine/arginine repetitive matrix protein 2
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g45567.t1	XP_004562609.1	serine/threonine-protein kinase 11-interacting protein
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g47643.t1	NP_001103754.1	serologically defined colon cancer antigen 3
alltrinity_comp205847_c0_seq1	XP_005157012.1	SERTA domain-containing protein 4
qifan_comp143170_c0_seq3	BAA36700.1	serum amyloid A protein
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g17279.t1	XP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6P0R8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12l12.1
g22449.t1	XP_001341061.1	si:dkey-1h6.8
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22l16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp63543_c0_seq2	XP_689978.6	si:dkey-3b8.4

qifan_comp234014_c0_seq1	AAI07637.1	Sidkey-67c22.2 protein
ncbimrna_375768756	XP_700595.3	sidkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g22493.t1	XP_001813277.1	similar to polyprotein
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g15277.t1	AAAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
qifan_comp275485_c0_seq1	AAX30961.2	SJCHGC09650 protein
qifan_comp213645_c0_seq1	XP_002667664.3	SLAM family member 5
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g15224.t1	POC850.1	Small membrane A-kinase anchor protein; Short=Small membrane AKAP
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10234.t1	XP_002662240.1	smoothelin
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor 02A10
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g26571.t1	ACA52542.1	soluble adenyl cyclase
g3421.t1	XP_003973636.1	solute carrier family 2 facilitated glucose transporter member 9
g39956.t1	XP_682935.4	solute carrier family 35 member F1
g10967.t1	XP_003200394.1	SPARC protein 1
g6033.t1	XP_004541517.1	speriolin protein
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g28664.t1	NP_956821.1	sperm flagellar protein 1
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g986.t1	NP_001133843.1	Spermatogenesis-associated protein 2
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
alltrinity_comp203461_c4_seq1	NP_001070815.1	sperm-tail PG-rich repeat-containing protein 2
g44813.t1	Q58EL7.2	Spindle and kinetochore-associated protein 3
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g9228.t1	AAT68068.1	SRF6
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g47377.t1	NP_001165106.1	stannin
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g15561.t1	EMS57593.1	Stellacyanin
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
g24602.t1	AAH91991.1	Stil protein
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33229.t1	P18899	Stress protein DDR48
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g40870.t1	XP_692356.4	stromal interaction molecule 2
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
90_ccaa	AHH39554.1	Sulfiredoxin-1
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g47279.t1	EMC89852.1	Sushi domain-containing protein 5
g32554.t1	XP_004553021.1	sushi, nidogen and EGF domain-containing protein 1
g3059.t1	XP_004574805.1	synaptotagmin-14
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
g6756.t1	Q5SQE2	Syntaxin-binding protein 5
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
pac_pacbio_412220450_1/5_6196	XP_002663453.2	taste receptor type 2 member 10
pac_pacbio_409902838_1/58_3510	NP_001094099.1	taste receptor, type 2, member 202
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g36220.t1	XP_004570054.1	TBC1 domain family member 30
g32976.t1	BAF37936.1	Tc1-like transposase
g31788.t1	NP_001038484.1	TCDD-inducible poly [ADP-ribose] polymerase
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g29114.t1	XP_002662910.2	t-cell immunomodulatory protein
136_ccaa	AAR06175.1	T-cell receptor alpha
alltrinity_comp198462_c1_seq4	AEL12165.1	T-cell receptor delta
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17

g12829.t1	NP_001187191.1	T-cell surface glycoprotein CD3 zeta chain
g31454.t1	ADM15562.1	Tcf4
g56562.t1	AAAD56899.1	TCR beta variable region
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g34751.t1	XP_004541587.1	tenascin
g18472.t1	XP_691552.5	teneurin-1
g7496.t1	XP_003782017.1	teneurin-2
g7378.t1	NP_571043.1	teneurin-3
g46092.t1	NP_571044.1	teneurin-4
g48080.t1	G7NV55	Testis- and ovary-specific PAZ domain-containing protein 1
g40548.t1	XP_004551170.1	testis development-related protein
qifan_comp120154_c0_seq2	XP_005157775.1	testis expressed 26
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
g32429.t1	XP_003217682.1	testis-expressed sequence 264 protein
qifan_comp140589_c0_seq1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g233.t1	PF00335.15	Tetraspannin
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g37104.t1	XP_787826.3	tetratricopeptide repeat protein 27
g53556.t1	AAH93105.1	Thoc2 protein
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
g12839.t1	XP_003199748.1	thyroid adenoma-associated protein
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g25093.t1	XP_001923800.1	titin
g36919.t1	PF00229.13	TNF
g35633.t1	ABE99697.1	TNF receptor associated factor 1
g22210.t1	ADN37682.1	TNXB
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
g12327.t1	XP_004564491.1	trafficking protein particle complex subunit 9
qifan_comp79042_c0_seq1	XP_005156464.1	transcription elongation regulator 1-like protein
g31455.t1	P15881	Transcription factor 4
g25291.t1	XP_003458132.1	transcription factor Adf-1
g35606.t1	A4QNR3	Transcription factor IIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g53088.t1	XP_003445165.1	transcriptional protein SWT1
skin_comp66936_c0_seq1	XP_006625555.1	trans-Golgi network integral membrane protein 2
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g16091.t1	WP_014652760.1	translation initiation factor IF-2
g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g30130.t1	ACD93412.1	transmembrane agrin
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g3843.t1	XP_001340422.4	transmembrane protease serine 3
skin_comp27957_c0_seq1	XP_005162650.1	transmembrane protein 108
g43487.t1	XP_001341924.1	transmembrane protein 132D
g55844.t1	ACI69526.1	Transmembrane protein 150
alltrinity_comp196143_c0_seq3	XP_005170961.1	transmembrane protein 154
qifan_comp98319_c0_seq3	XP_006022692.1	transmembrane protein 252
qifan_comp151994_c1_seq2	XP_005169458.1	transmembrane protein 44
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
g14377.t1	PF02994.9	Transposase_22
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g2171.t1	XP_003201494.1	transposon TX1 uncharacterized 82 kDa protein
g24169.t1	XP_001341898.4	trichohyalin
g47477.t1	XP_002661260.2	trinucleotide repeat-containing gene 18 protein
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g38932.t1	NP_001070119.1	tRNA-splicing endonuclease subunit Sen2
g12869.t1	XP_001337104.1	tropomyosin-2
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g30260.t1	XP_004554197.1	tumor necrosis factor receptor superfamily member 1A
g37238.t1	NP_001158515.1	type I interferon 4
g32132.t1	XP_004078335.1	type II inositol 1,4,5-trisphosphate 5-phosphatase
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g36511.t1	NP_001002488.1	UBA-like domain-containing protein 1
g4513.t1	PF00443.24	UCH
g56935.t1	NP_001122229.1	UNC119-binding protein C5orf30
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452

skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
pac_pacbio_410131720_2/9_515	XP_003777772.1	uncharacterized LOC100939189
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
454_FWM5MQA02FJOBE	XP_005160982.1	uncharacterized LOC101885928
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
pac_pacbio_41177655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
qifan_comp142062_c0_seq4	XP_706374.4	uncharacterized protein C11orf74
g51999.t1	A8M2F0	Uncharacterized protein C11orf89
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
yu_Contig13439	XP_706561.2	uncharacterized protein C14orf80
g21042.t1	Q6ZRI6	Uncharacterized protein C15orf39
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
g39113.t1	XP_001341090.2	uncharacterized protein C1orf158
g34284.t1	XP_001493985.1	uncharacterized protein C1orf194
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
454_FWM5MQA02IX9EO	NP_001188116.1	uncharacterized protein c1orf43
g24922.t1	NP_001018505.1	uncharacterized protein C1orf50
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
yu_Contig13118	XP_005155908.1	uncharacterized protein C3orf14
g4708.t1	NP_001017650.1	uncharacterized protein C3orf17
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g50311.t1	XP_002665577.1	uncharacterized protein C5orf49
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
g51188.t1	NP_001082968.1	uncharacterized protein C8orf34
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g47641.t1	XP_003198708.1	uncharacterized protein C9orf174
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
g53.t1	XP_001334272.1	uncharacterized protein CXorf21
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
alltrinity_comp1212_c0_seq1	XP_003197967.1	uncharacterized protein DDB_G0292642
g52823.t1	XP_001344930.1	uncharacterized protein DKFZp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g3770.t1	O94854	Uncharacterized protein KIAA0754
g44842.t1	Q5RG44	Uncharacterized protein KIAA1211
pac_pacbio_411145895_2/0_2227	XP_005466789.1	uncharacterized protein KIAA1586
g28454.t1	XP_003445715.1	uncharacterized protein KIAA1671
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g19234.t1	NP_001091661.1	uncharacterized protein LOC100000539
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
qifan_comp140870_c0_seq3	NP_001191302.1	uncharacterized protein LOC100003708
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601

qifan_comp136584_c0_seq4	XP_001345466.4	uncharacterized protein LOC100006831
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
XY_XY_ctg442400	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
qifan_comp75296_c0_seq1	NP_001129045.1	uncharacterized protein LOC100190888
g56498.t1	NP_001129460.1	uncharacterized protein LOC100191015
blue_Contig18746.1_4689	NP_001129728.1	uncharacterized protein LOC100192222
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g46254.t1	XP_002170745.2	uncharacterized protein LOC100206555
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g1512.t1	XP_002816564.2	uncharacterized protein LOC100439702
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
cdna_aby_k47-90104	XP_002936147.2	uncharacterized protein LOC100486038
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g24754.t1	XP_002941460.2	uncharacterized protein LOC100486543
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
g47521.t1	XP_003447279.1	uncharacterized protein LOC100701644
pac_pacbio_410509076_1/0_7116	XP_005460648.1	uncharacterized protein LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003729399.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g31877.t1	XP_003731413.1	uncharacterized protein LOC100889854
g44487.t1	XP_003746447.1	uncharacterized protein LOC100902653
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
g8115.t1	XP_003944793.1	uncharacterized protein LOC101044508
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g14779.t1	XP_003978935.1	uncharacterized protein LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491

g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g11457.t1	XP_004082662.1	uncharacterized protein LOC101154992
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04DT8S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g57738.t1	XP_004080147.1	uncharacterized protein LOC101158890
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g2520.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein LOC101166008
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
g25280.t1	XP_004072689.1	uncharacterized protein LOC101166636
g55617.t1	XP_004071892.1	uncharacterized protein LOC101166720
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein LOC101169968
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g57510.t1	XP_004079033.1	uncharacterized protein LOC101174375
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
pac_pacbio_410677548_1/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g22413.t1	XP_004572072.1	uncharacterized protein LOC101466125
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g9571.t1	XP_004539275.1	uncharacterized protein LOC101466841
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
g22535.t1	XP_004576354.1	uncharacterized protein LOC101468882
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g8369.t1	XP_004553620.1	uncharacterized protein LOC101470917
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
g18068.t1	XP_004568649.1	uncharacterized protein LOC101474086
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300

g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
g23913.t1	XP_004559932.1	uncharacterized protein LOC101487865
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g7592.t1	XP_004717910.1	uncharacterized protein LOC101640660
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g126.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein LOC101733949
g10647.t1	XP_004917417.1	uncharacterized protein LOC101734075
qifan_comp95407_c0_seq1	XP_004918303.1	uncharacterized protein LOC101734130
g8540.t1	XP_004914926.1	uncharacterized protein LOC101734213
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
ncbimrna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein LOC101884337
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
alltrinity_comp205992_c2_seq2	XP_005173016.1	uncharacterized protein LOC101886442
blue_Contig2553.1_35943	XP_005167008.1	uncharacterized protein LOC101887094
blue_Contig2748.1_27327	XP_005294352.1	uncharacterized protein LOC101948872
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
pac_pacbio_409506783_2/6_2417	XP_005461383.1	uncharacterized protein LOC102076050
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
YY_jcf4885817	XP_005462000.1	uncharacterized protein LOC102080201
pac_pacbio_409643086_1/10_5139	XP_005466369.1	uncharacterized protein LOC102080911
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
qifan_comp200420_c0_seq1	XP_005741295.1	uncharacterized protein LOC102194460
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein LOC102213288
blue_Contig85669.1_12188	XP_005813273.1	uncharacterized protein LOC102220987
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein LOC102698607
pac_pacbio_410926873_3/3_3465	XP_007071937.1	uncharacterized protein LOC102935427
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g52879.t1	NP_919241.1	uncharacterized protein LOC368382
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
g761.t1	NP_001013318.1	uncharacterized protein LOC503706
g56347.t1	NP_001017586.1	uncharacterized protein LOC550248
g2365.t1	NP_001017689.1	uncharacterized protein LOC550384
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925

g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein LOC555281
g39957.t1	NP_001037797.1	uncharacterized protein LOC555399
alltrinity_comp209129_c0_seq1	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
g58176.t1	NP_001139034.1	uncharacterized protein LOC556058
g32241.t1	NP_001103493.1	uncharacterized protein LOC556322
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g19747.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
g45140.t1	XP_686699.4	uncharacterized protein LOC558404
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g35453.t1	NP_001094417.1	uncharacterized protein LOC559398
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
g56029.t1	XP_707530.2	uncharacterized protein LOC560245
g49660.t1	NP_001122178.1	uncharacterized protein LOC561073
qifan_comp153125_c1_seq8	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561367
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g13669.t1	NP_001103295.1	uncharacterized protein LOC569067
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g48839.t1	NP_0010113590.1	uncharacterized protein LOC570187
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g37219.t1	XP_003723975.1	uncharacterized protein LOC583273
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g49359.t1	NP_001032667.1	uncharacterized protein LOC641580
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g57809.t1	NP_001076390.1	uncharacterized protein LOC797943
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
degen_deg7180003840307	XP_001624008.1	Uncharacterized protein ORF50
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-106i3.7
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-121i2.1
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2

pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
cdna_FD023915.1	XP_001337059.3	uncharacterized protein si:dkey-87o1.2
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
g29898.t1	NP_114199.1	unknown
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g10046.t1	CAG10182.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
alltrinity_comp184019_c0_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
pac_pacbio_411392801_1/0_2175	CAG06189.1	unnamed protein product
g11140.t1	NP_001188061.1	upf0490 protein c1orf201
g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
g53757.t1	NP_001002512.1	UPF0547 protein C16orf87
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
g30930.t1	XP_004067470.1	UPF0583 protein C15orf59
56_ccaa	ADO28726.1	upf0608 protein c19orf42
qifan_comp44076_c0_seq1	NP_001035077.1	UPF0693 protein C10orf32
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein C1orf227
g35986.t1	NP_001187816.1	upper zone of growth plate and cartilage matrix associated
g44709.t1	XP_003457696.1	up-regulator of cell proliferation
g13373.t1	XP_004937023.1	uro-adherence factor A
qifan_comp136235_c0_seq1	NP_001093533.1	uroplakin 3b
g53601.t1	XP_698272.2	UV-stimulated scaffold protein A
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g31661.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g36598.t1	XP_001920550.3	voltage-dependent T-type calcium channel subunit alpha-1G
g47503.t1	XP_003198197.1	voltage-dependent T-type calcium channel subunit alpha-1H
g21239.t1	XP_694715.4	voltage-dependent T-type calcium channel subunit alpha-1I
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g30214.t1	XP_003454581.1	voltage-gated potassium channel subunit beta-2
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g21206.t1	XP_004750191.1	von Willebrand factor A domain-containing protein 5A
g39367.t1	XP_002662899.2	VP510 domain-containing receptor SorCS2
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g18383.t1	NP_001005206.1	WD repeat-containing protein 18
g53162.t1	XP_001345204.3	WD repeat-containing protein 65
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g4591.t1	ABD83912.1	XAP-5 protein
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g22898.t1	AAI52526.1	Zcchc7l protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g12818.t1	AAI67442.1	Zgc:110585 protein
g28651.t1	AAH91871.1	Zgc:112945
qifan_comp175963_c0_seq1	XP_005162501.1	Zgc:112994
g49639.t1	AAI24324.1	Zgc:153348
g10677.t1	AAH90183.1	Zgc:158151 protein
g22092.t1	AAI24676.1	Zgc:161969 protein
g7219.t1	AAH90678.1	Zgc:162509 protein
g38680.t1	AAI34162.1	Zgc:162945 protein
g30312.t1	AAI15112.1	Zgc:165430 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g52808.t1	AAI42874.1	Zgc:173439 protein
g53616.t1	AAI53507.1	Zgc:174162 protein

454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
g10490.t1	XP_002943251.2	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g9948.t1	XP_003200426.1	zinc finger protein 106
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
g53588.t1	Q62394	Zinc finger protein 185
qifan_comp97580_c0_seq1	NP_001071004.1	zinc finger protein 185 (LIM domain)
g43453.t1	XP_001340263.3	zinc finger protein 192
g53020.t1	XP_004569526.1	zinc finger protein 235
g11962.t1	ELK38750.1	Zinc finger protein 300
g19625.t1	NP_001108045.1	zinc finger protein 341
g26503.t1	XP_001342735.1	zinc finger protein 350
g8976.t1	XP_001340699.3	zinc finger protein 40
g24285.t1	NP_001073499.1	zinc finger protein 423
g51980.t1	Q96JG9	Zinc finger protein 469
g48769.t1	NP_001038383.2	zinc finger protein 704
g40252.t1	XP_003455943.1	zinc finger protein 729
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g40620.t1	Q8WW38	Zinc finger protein ZFPM2
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g9904.t1	XP_004077654.1	zinc finger with UFM1-specific peptidase domain
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g22012.t1	NP_001187614.1	zinc transporter zip11
g54687.t1	AGE89832.1	zfn219
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwillig B
qifan_comp38323_c0_seq2	XP_004073800.1	zymogen granule membrane protein 16

Supplemental table 29. Catfish specific genes compared to spotted gar

id	access number	Description
g26104.t1	XP_003440845.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1
g9500.t1	NP_001004541.1	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial
g197.t1	ACO07996.1	39S ribosomal protein L20, mitochondrial
qifan_comp184125_c0_seq1	XP_005172384.1	39S ribosomal protein L52, mitochondrial
g7169.t1	NP_001093514.2	39S ribosomal protein L9, mitochondrial
g54509.t1	XP_004590517.1	40S ribosomal protein S18
g26916.t1	XP_003388527.1	52 kDa repressor of the inhibitor of the protein kinase
g8460.t1	ADO28263.1	60S ribosomal protein L12
g23268.t1	XP_004573640.1	60S ribosomal protein L31
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g23163.t1	NP_001116521.1	aarF domain containing kinase 1
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein sla1
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g49652.t1	NP_001187460.1	acylphosphatase-2
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g16423.t1	Q25460	Adhesive plaque matrix protein
g16043.t1	BAG24411.1	adrenomedullin 5
g56486.t1	XP_003445558.1	ALK tyrosine kinase receptor
g31170.t1	XP_004086329.1	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g50313.t1	XP_004560992.1	alpha-tubulin N-acetyltransferase
g12732.t1	XP_004560540.1	amyloid protein 2
g871.t1	BAF93906.1	amylopullulanase
g55434.t1	AAM09278.1	androgen receptor
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g52444.t1	PF01442.13	Apolipoprotein
yu_Contig25459	ACI15894.1	apolipoprotein C-I
qifan_comp131209_c0_seq1	XP_691110.1	apolipoprotein C-II
g9775.t1	P23529	Apolipoprotein E
100_ccaa	AHH38366.1	Apolipoprotein M
g12007.t1	BAA00422.1	apopolysialoglycoprotein
g6029.t1	NP_001187866.1	apoptosis regulator bax
qifan_comp141023_c0_seq2	XP_005172381.1	apoptotic chromatin condensation inducer 1b
g26351.t1	AAH96813.1	Arl15b protein
g22061.t1	XP_698416.3	armadillo repeat-containing protein 5
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g35221.t1	XP_003455027.1	astrotactin-2
g55643.t1	XP_002661161.1	ATPase SWSAP1
g40993.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g34960.t1	AAI39712.1	Bat5l protein
g43696.t1	XP_004568711.1	battenin
g55197.t1	Q67FY2	B-cell CLL/lymphoma 9
g10579.t1	XP_001919171.2	b-cell receptor CD22
g26667.t1	ACI33262.1	Bcl2 antagonist of cell death
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g45968.t1	EHB16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
alltrinity_comp204523_c0_seq2	ACO13654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g53754.t1	NP_001189355.1	borealin-2
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	QIRMO9	Brain acid soluble protein 1
g55784.t1	NP_001133623.1	brain protein I3
g58064.t1	PF13882.1	Bravo_FIGFY
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g46247.t1	P43573	Bud site selection protein 27
g56923.t1	PF07716.10	bZIP_2
g378.t1	ACN10467.1	C12orf56
yu_Contig7048	ACI68049.1	C13orf27
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8

g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g25960.t1	NP_571156.2	cadherin-2
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g54882.t1	NP_001013521.1	calcium channel, voltage-dependent, alpha 2/delta subunit 2
g38276.t1	XP_003451453.1	calcium signal-modulating cyclophilin ligand
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g20405.t1	XP_004545301.1	calpastatin
g46964.t1	XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g48974.t1	XP_682906.3	casikin-1
qifan_comp208517_c0_seq1	AAG45230.1	Caspy2
g40689.t1	Q5F378	Cathelicidin-B1
g33287.t1	ELV12725.1	Cathepsin O
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g42255.t1	ABA54958.1	CC chemokine SCYA111
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
g20764.t1	ADO27768.1	cd9 antigen
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g15328.t1	NP_001038757.2	cell death regulator aven
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g12403.t1	NP_001187431.1	centromere protein M
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g10206.t1	NP_001098184.1	cGMP-dependent protein kinase I alpha
qifan_comp131006_c0_seq1	BAF98240.1	chemokine CCL-C25a
skin_comp19844_c0_seq1	ACO14079.1	chibby 1
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g1047.t1	XP_004561037.1	chromatin target of PRMT1 protein
g44608.t1	XP_706416.1	chromosomal protein D1
g11.t1	XP_689920.3	cingulin
alltrinity_comp199220_c1_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g24666.t1	NP_001135017.1	CKO68 protein
g33332.t1	XP_003972110.1	coiled-coil and C2 domain-containing protein 1A
g28401.t1	NP_001070919.2	coiled-coil domain containing 120
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
blue_Contig81311.1_8500	XP_005990428.1	coiled-coil domain-containing protein 160
g39833.t1	NP_001020655.2	coiled-coil domain-containing protein 167
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g3420.t1	Q1LX29.2	Coiled-coil domain-containing protein 79
g46290.t1	XP_004559632.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 5
g42838.t1	XP_004077473.1	collagen alpha-1(IX) chain
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g10582.t1	P27393	Collagen alpha-2(IV) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
qifan_comp221522_c0_seq1	XP_005171607.1	colony stimulating factor 2 receptor, beta
g25902.t1	NP_001188091.1	comm domain-containing protein 2
g32356.t1	XP_004076492.1	complement factor B
g13094.t1	XP_002771495.1	conserved hypothetical protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
g54652.t1	Q9NTM9	Copper homeostasis protein cutC
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g31007.t1	XP_003763660.1	craniofacial development protein 2
g24512.t1	AFU81783.1	CST complex subunit TEN1
g56934.t1	AGM34086.1	c-type lysozyme
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1

skin_comp63954_c0_seq2	XP_006640296.1	cyclin-dependent kinase 2-associated protein 1
qifan_comp204621_c0_seq1	XP_003977614.1	cyclin-dependent kinase 2-associated protein 2
g8342.t1	XP_001919224.1	cyclin-G-associated kinase
g1378.t1	XP_001337505.3	cyclin-J
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
57_ccaa	ADO28717.1	cytochrome b-c1 complex subunit 9
g8392.t1	XP_692458.2	cytospin-A
g39425.t1	XP_690827.4	cytospin-B
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g30928.t1	PF13358.1	DDE_3
g40936.t1	XP_003199045.1	death domain-containing protein 1
g44957.t1	ADO28237.1	death-associated protein-like 1-b
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g12745.t1	XP_003968835.1	delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial
g8137.t1	ACO09314.1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g54945.t1	XP_002662598.2	deoxynucleotidyltransferase terminal-interacting protein 1
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
181_ccaa	ABD83902.1	DNA directed RNA polymerase II polypeptide G
g22736.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g32264.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g26279.t1	XP_002663552.1	DNA repair protein SWI5
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
skin_comp54766_c0_seq2	NP_001188185.1	DNA-directed RNA polymerase I subunit rpa12
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g27735.t1	NP_997842.1	dnaJ homolog subfamily C member 4
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g24777.t1	ELW51954.1	dTDP-D-glucose 4,6-dehydratase
g28671.t1	POCSA0.1	Dual specificity phosphatase DUPD1
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g41331.t1	XP_003201392.1	dynein assembly factor 3, axonemal
g19950.t1	ELW48268.1	Dynein heavy chain
g56136.t1	AAI62536.1	Dzip1 protein
g40849.t1	XP_004079877.1	E3 ubiquitin-protein ligase CCNB1P1
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g47469.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g32377.t1	XP_002662297.1	E3 ubiquitin-protein ligase TRIM21
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g2764.t1	XP_004573771.1	elongation factor Tu, mitochondrial
g9587.t1	XP_001341991.2	endothelin-converting enzyme 2
g56953.t1	NP_001191483.1	enterin neuropeptides
g641.t1	NP_001098368.1	enteropeptidase-1
g19216.t1	ABBS2640.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g39611.t1	NP_001187950.1	ependymin-1
g15165.t1	XP_003451020.1	ephrin-A3
g57664.t1	NP_001187350.1	epimerase family protein sdr39u1
qifan_comp142224_c0_seq1	XP_003198166.1	equinatoxin-4
cdna_abby_k65:774962	A7E2M3.1	ER membrane protein complex subunit 10
g12959.t1	NP_001187003.1	estrogen receptor
g40389.t1	A2VD00	Eukaryotic translation initiation factor 3 subunit A
g24048.t1	NP_998628.1	eukaryotic translation initiation factor 3 subunit C
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g413.t1	NP_001091053.1	FACT complex subunit SPT16
g37020.t1	NP_001133131.1	factor 8-associated gene a
g44586.t1	AAI55330.1	Fam134c
g51815.t1	Q9NPI8	Fanconi anemia group F protein
g34357.t1	PF02106.10	Fanconi_C

g48240.t1	XP_004073102.1	F-box/LRR-repeat protein 12
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
skin_comp67828_c0_seq5	ADO28388.1	ferritin middle subunit
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
g58004.t1	YP_123587.1	FimV protein
g40209.t1	XP_004575319.1	flocculation protein FLO11
g39710.t1	A1X158	Foot protein 1 variant 1
g18881.t1	BAJ19137.1	forkhead box L2
g54810.t1	ACJ36222.1	forkhead box P1b
qifan_comp146158_c0_seq1	NP_001188353.1	FXYD domain containing ion transport regulator 7
g49240.t1	XP_004562124.1	G2/M phase-specific E3 ubiquitin-protein ligase
g48426.t1	AAI00037.1	G2e3 protein
g13782.t1	XP_002133577.1	GA22973
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g32906.t1	CBN80957.1	Gag-protease
g50323.t1	XP_003200653.1	gamma-aminobutyric acid type B receptor subunit 1
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36641.t1	NP_001140110.1	Gap junction beta-5 protein
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide
g50319.t1	NP_956221.1	general transcription factor IIH subunit 4
g1248.t1	XP_004911439.1	general transcription factor II-I repeat domain-containing protein 2
g36489.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g54547.t1	Q6EKJO	General transcription factor II-I repeat domain-containing protein 2B
g53338.t1	NP_001135270.1	Geranylgeranyl transferase type-2 subunit alpha
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g27611.t1	CBJ28225.1	glucose sorbose dehydrogenase
g34410.t1	XP_003974888.1	glutamate receptor delta-2 subunit
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g41352.t1	ADO28199.1	glutathione S-transferase kappa 1
g54834.t1	NP_001070856.1	glycerate kinase
g27663.t1	AAK69693.1	glypican Knypek
g27670.t1	XP_688014.3	glypican-3
g3034.t1	YP_302666.1	gp140
g47756.t1	XP_003796841.1	GRAM domain-containing protein 1B
yu_k62:1649929	NP_001094418.2	granulito
qifan_comp112233_c0_seq1	XP_005157000.1	growth-regulated alpha protein
g24953.t1	ACI33817.1	GTPase IMAP family member 4
g45676.t1	XP_004071898.1	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g26899.t1	EHB09859.1	Guanylate cyclase soluble subunit beta-2
qifan_comp128212_c0_seq1	NP_001003868.1	H/ACA ribonucleoprotein complex subunit 3
g5528.t1	AAH83463.1	H1m protein
g29914.t1	ELW69465.1	HBS1-like protein
g14648.t1	PF07382.6	HC2
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g35899.t1	XP_002710718.1	heat shock 70kD protein binding protein
g15380.t1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g40525.t1	NP_001188323.1	hepcidin
g30955.t1	XP_003441680.1	HHIP-like 1
g55881.t1	NP_956117.1	HIRA-interacting protein 3
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g10908.t1	XP_685659.4	histone deacetylase 5
g42912.t1	P06350	Histone H1
g23517.t1	XP_690894.2	histone H3.v1
g34808.t1	XP_004541301.1	histone-lysine N-methyltransferase ASH1L
g40654.t1	XP_001344562.4	HMG box transcription factor BBX
g29033.t1	CAA08991.1	HMGBCG protein
g7524.t1	EPQ09134.1	Homeobox protein TGIF2
g26614.t1	NP_001133946.1	Hsc70-interacting protein
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g3106.t1	AAH66742.1	Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AUDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928

g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_15852	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g1130.t1	XP_002648163.1	Hypothetical protein CBG24246
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g21052.t1	XP_002614835.1	hypothetical protein CLUG_04850
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g24683.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein LRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
allTrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein IscW_ISCW012389
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g20457.t1	XP_001340940.4	hypothetical protein LOC100000814
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178

g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g48374.t1	XP_001921749.3	hypothetical protein LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g26912.t1	XP_003200579.1	hypothetical protein LOC100149834
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g19796.t1	XP_001920901.2	hypothetical protein LOC100150454
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10383.t1	XP_001922042.3	hypothetical protein LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g17657.t1	XP_002662059.2	hypothetical protein LOC100318173
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g28608.t1	XP_002667279.1	hypothetical protein LOC100330441
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g20608.t1	XP_002661760.2	hypothetical protein LOC100330775
g17427.t1	XP_002660724.2	hypothetical protein LOC100330837
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g41441.t1	XP_002664810.2	hypothetical protein LOC100333838
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g28698.t1	XP_003197997.1	hypothetical protein LOC100534713
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g8735.t1	XP_003201317.1	hypothetical protein LOC100535501
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein LOC100535628
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g12081.t1	XP_003198218.1	hypothetical protein LOC100538074
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein LOC100636977
yu_Contig1642	XP_003390502.1	hypothetical protein LOC100637606
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135
g45927.t1	XP_003448896.1	hypothetical protein LOC100690204
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379

g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g7695.t1	XP_003455041.1	hypothetical protein LOC100701310
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g20224.t1	XP_003455887.1	hypothetical protein LOC100708291
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g34937.t1	XP_002664857.1	hypothetical protein LOC323246
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g44635.t1	XP_001921158.2	hypothetical protein LOC449864
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g19546.t1	XP_003200581.1	hypothetical protein LOC560266
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g4582.t1	XP_689569.2	hypothetical protein LOC561077
g628.t1	XP_690436.1	hypothetical protein LOC561947
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g8016.t1	XP_003197742.1	hypothetical protein LOC565594
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g3153.t1	XP_003199000.1	hypothetical protein LOC566660
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g34835.t1	XP_698030.5	hypothetical protein LOC573741
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g31759.t1	XP_001921853.2	hypothetical protein LOC794266
g35106.t1	XP_003199182.1	hypothetical protein LOC794533
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g55848.t1	XP_001336831.3	hypothetical protein LOC796490
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g2422.t1	XP_001338767.4	hypothetical protein LOC798310
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g56561.t1	XP_001921142.3	hypothetical protein LOC799338
g2100.t1	YP_125859.1	hypothetical protein Ipl0493
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595

g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g42457.t1	YP_660931.1	hypothetical protein PatI_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PsycPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g7325.t1	XP_003683123.1	hypothetical protein TDEL_OH00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	Ifl-6-16
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g27092.t1	NP_001117097.1	IGF binding protein 2
cdna_aby_k51:1149493	AAZ43090.1	IL-15 protein
g48990.t1	NP_001165325.1	IL-6 subfamily member ciliary neurotrophic factor
g34967.t1	AAH90751.1	Im:6912380
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g16935.t1	P02976	Immunoglobulin G-binding protein A
g53357.t1	Q7Z5P9	mucin19
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g13672.t1	PF04156.9	IncA
g34965.t1	NP_991199.1	INO80 complex subunit E
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g17273.t1	XP_002665435.2	inositol-trisphosphate 3-kinase C
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g18254.t1	NP_001020335.1	inter-alpha-trypsin inhibitor heavy chain H4
g37320.t1	ACV41808.1	interferon gamma receptor 1-1
g49127.t1	XP_001336175.4	interferon-induced protein 44
g50963.t1	NP_001187148.1	interleukin 1 beta
g35960.t1	NP_001018628.1	interleukin 22
g35959.t1	NP_001018635.1	interleukin 26
g50964.t1	NP_001187149.1	interleukin-1 beta
g10163.t1	XP_003454960.1	interleukin-1 receptor type 2
qifan_comp268761_c0_seq1	CAI61347.1	interleukin-11b
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
g29127.t1	NP_976934.1	internalin
g24054.t1	P07476	Involucrin
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g18417.t1	XP_692939.5	KAT8 regulatory NSL complex subunit 1
g967.t1	XP_005027243.1	kelch-like protein 10
g43923.t1	XP_002667685.2	kelch-like protein 29
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
ncbimma_375790490	XP_005164234.1	keratin-associated protein 9-2
cdna_cic_556451	XP_001923648.1	kinetochore-associated protein DSN1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g34502.t1	NP_001005981.1	kininogen 1
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g55167.t1	AFM08414.1	kisspeptin 2

g38122.t1	NP_957113.1	Kv channel interacting protein 3a, calsenilin
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g15807.t1	XP_002733056.1	latrophilin 2
ncbimma_375733073	XP_002664890.1	lens epithelial cell protein LEP503
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g48184.t1	XP_002667635.1	leucine-rich repeat neuronal protein 4
g23458.t1	XP_004668243.1	leucine-rich repeat-containing protein 1
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g38845.t1	NP_001187136.1	leukocyte immune-type receptor 3
g54732.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g46156.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
qifan_comp140086_c0_seq1	NP_001004591.1	leukocyte receptor cluster (LRC) member 1
g28472.t1	NP_956620.1	light ear protein
g42072.t1	XP_003970702.1	LIM domain-binding protein 2
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g9066.t1	XP_003198161.1	liprin-alpha-3
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
qifan_comp232492_c0_seq1	AAH45899.1	LOC402804 protein
g1180.t1	AAI60611.1	LOC553275 protein
g3904.t1	AAH91803.1	LOC553335 protein
g10211.t1	AAH91901.1	LOC553343 protein
g22295.t1	AAH90521.1	LOC553502 protein
g10413.t1	XP_003199120.1	low-density lipoprotein receptor
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g7050.t1	XP_003441946.1	L-seryl-tRNA(Sec) kinase
g45470.t1	Q25060.1	LWamide neuropeptides
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g37317.t1	XP_004065665.1	lysozyme C, milk isozyme
g42143.t1	NP_001187748.1	lysozyme g
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g55856.t1	Q9DGM7.2	Major vault protein
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
yu_Contig803	NP_001133522.1	MAP7 domain-containing protein 1
g52897.t1	XP_003450249.1	mastermind-like protein 2
g15185.t1	XP_002735800.1	matriptase
g10550.t1	NP_001187095.1	matrix Gla protein
g28383.t1	AAI24167.1	Mbd1 protein
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g34648.t1	EDL41451.1	mCG12888
g18370.t1	EDL20200.1	mCG145728
g40659.t1	PF05669.7	Med31
g38628.t1	NP_001187551.1	mediator of RNA polymerase II transcription subunit 31
g15157.t1	ADO28134.1	mediator of RNA polymerase II transcription subunit 4
g57509.t1	XP_003451039.1	meiotic recombination protein REC8
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g33696.t1	XP_004600126.1	membrane protein, palmitoylated 7
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentrin
g1960.t1	XP_001345613.4	mesothelin-like protein
g14285.t1	Q7ZWV9	Methionine aminopeptidase 1
g20113.t1	NP_001104708.1	methylthioribose-1-phosphate isomerase
yu_Contig9788	Q501S4.2	Methyltransferase-like protein 12, mitochondrial
g19922.t1	XP_697545.2	methyltransferase-like protein 7A
g16296.t1	AAD39868.1	MHC class II antigen
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1

g49356.t1	NP_001083770.1	microtubule-associated protein 4
g2492.t1	WP_001450027.1	minor spike protein H
g48443.t1	XP_004540605.1	mis18-binding protein 1
g44673.t1	NP_001187779.1	mitochondrial 28S ribosomal protein s21
32_ccaa	ADO29386.1	mitochondrial 39S ribosomal protein l33
g49033.t1	ACI66858.1	Mitochondrial 39S ribosomal protein L49
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
skin_comp56895_c0_seq1	XP_005746679.1	mitochondrial import inner membrane translocase subunit Tim10 B
g20701.t1	ADO28253.1	mitochondrial import inner membrane translocase subunit tim16
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g40844.t1	XP_003967001.1	mitochondrial inner membrane protein OXA1L
g45885.t1	NP_001188137.1	mitochondrial NADH dehydrogenase (ubiquinone) flavoprotein 2
g39280.t1	ADO28373.1	mitochondrial NADH dehydrogenase 1 beta subcomplex subunit 2
g7130.t1	ADO28162.1	mitochondrial succinate dehydrogenase assembly factor 2
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g19823.t1	XP_696283.3	MLL1/MLL complex subunit KIAA1267
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
pac_pacbio_410689841_1/34_1696	EMP27574.1	Mps one binder kinase activator-like 2A
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
alltrinity_comp197680_c0_seq3	XP_005170136.1	myelin basic protein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
alltrinity_comp197409_c0_seq8	XP_006797894.1	myosin light chain kinase 3
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIIb
g49327.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g34862.t1	NP_001187393.1	n-acetyltransferase 14
g19784.t1	XP_003459946.1	NACHT, LRR and PYD domains-containing protein 12
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g1813.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
g34582.t1	CBN80989.1	N-acylthanolamine-hydrolyzing acid amidase
g51046.t1	NP_001188111.1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 4
g46085.t1	NP_001187754.1	NADH dehydrogenase (ubiquinone) 1 subunit c2
g41374.t1	XP_003450957.1	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3
g43478.t1	ACI69375.1	NADH dehydrogenase iron-sulfur protein 8, mitochondrial
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g31483.t1	XP_682740.4	nasal embryonic luteinizing hormone-releasing hormone factor
42_ccaa	ADO29084.1	nef1
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g24545.t1	NP_001035777.1	nephrin
g53490.t1	XP_003497875.1	nephrocystin-1
g31860.t1	XP_001919922.1	nestin
g7924.t1	XP_004915774.1	neurofilament heavy polypeptide
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACI64069.1	neuromedin s
g49463.t1	AEX01238.1	neurotrophic tyrosine kinase receptor type 3b
g45802.t1	NP_957184.2	nicotinate phosphoribosyltransferase
qifan_comp226303_c0_seq1	XP_003533945.1	nicotinate-nucleotide pyrophosphorylase [carboxylating], chloroplastic
g24044.t1	NP_001025139.1	NIF3 protein 1
g44058.t1	NP_001187232.1	NK-lysin type 3
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein
g32476.t1	NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g45599.t1	CAM56640.1	novel protein
yu_k65:1467070	CAE17634.2	novel protein similar to human telomerase-associated protein 1
g11106.t1	XP_697644.5	novel protein similar to vertebrate contactin associated protein family
g50325.t1	CAK04056.1	novel protein similar to vertebrate gamma-aminobutyric acid B receptor, 1
g16552.t1	AAI21758.1	Npm4 protein
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g3903.t1	NP_956956.1	nuclear pore complex protein Nup160
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g4337.t1	NP_001038928.1	nucleobindin-1
g35091.t1	XP_004084711.1	nucleolar complex protein 3
yu_Contig9648	NP_956584.1	nucleolar protein 12

qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g22043.t1	XP_002664363.2	nucleolin 2
g55249.t1	NP_001167089.1	nucleoporin GLE1
g14494.t1	NP_001133477.1	nucleoporin-like protein 2
g8798.t1	NP_001038660.1	nurim
g17832.t1	PF12882.2	NUT_C
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g22847.t1	ABD75623.1	orf1ab polyprotein
pac_pacbio_411116759_1/53_4899	BAE46428.1	ORF1-encoded protein
g22933.t1	XP_004574810.1	otoancorin
g44863.t1	XP_004551458.1	otospiralin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g4855.t1	NP_001018391.1	ovarian cancer-associated gene 2 protein
g40846.t1	NP_001098600.2	oxidase (cytochrome c) assembly 1
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g24665.t1	ABW84004.1	p65 transcription factor
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g3360.t1	Q3YV06	Pantothenate kinase
g41819.t1	P15743	Parathyroid hormone
cdna_vet_k47:719640	NP_998114.1	parathyroid hormone 1b
g34045.t1	XP_003979962.1	partner of Y14 and mago A
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g18656.t1	XP_002663937.1	PAXIP1-associated glutamate-rich protein 1
g40960.t1	AAI62583.1	Pc protein
g51623.t1	Q6AZL2	PCNA-associated factor
g25369.t1	XP_003198698.1	PDZ domain-containing protein 2
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g57646.t1	XP_694358.2	pentraxin-related protein PTX3
g11064.t1	YP_001107629.1	PE-PGRS family protein
g33263.t1	NP_001153996.1	peptidyl-prolyl cis-trans isomerase E
g27475.t1	BAJ07835.1	perforin 1
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g24563.t1	XP_003450524.1	peroxiredoxin-5, mitochondrial
g10055.t1	YP_007549235.1	Pertactin
g9483.t1	AAH74083.1	Pfdn2 protein
g25009.t1	ASD7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
qifan_comp122237_c0_seq1	XP_005721862.1	PHD finger-like domain-containing protein 5A
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4
g40625.t1	Q7M6Y3	Phosphatidylinositol-binding clathrin assembly protein
qifan_comp67057_c0_seq1	ACN09856.1	Phospholemman
g27140.t1	XP_003445720.1	phospholipase A2
g32612.t1	NP_001077048.1	phosphomevalonate kinase
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
alltrinity_comp200811_c3_seq15	NP_001258403.1	pituitary tumor-transforming 1
g33861.t1	NP_001187793.1	pleckstrin-like protein domain-containing family j member 1
g40062.t1	XP_003410187.1	plexin-A2
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g11561.t1	Q9NQ53	Poliovirus receptor-related protein 3
g11723.t1	BAC82609.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
pac_pacbio_410235439_2/1_4437	XP_005164203.1	polymeric immunoglobulin receptor
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g37002.t1	ASA3E0	POTE ankyrin domain family member F
g52345.t1	Q64693	POU domain class 2-associating factor 1
g32463.t1	XP_688779.2	POZ-, AT hook-, and zinc finger-containing protein 1
g32182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein

blue_Contig73650.1_5861	XP_001785031.1	predicted protein_11_n
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g19904.t1	NP_001187244.1	preproghrelin-1
g5902.t1	AEZ56940.1	prepro-orexin
g30063.t1	P04560.1	Prepro-urotensin II-alpha
g3526.t1	EGW05636.1	Prestalk protein
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g2728.t1	NP_001017611.2	probable flap endonuclease 1
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g47972.t1	XP_683670.3	probable palmitoyltransferase ZDHHC8
g34592.t1	NP_001013348.1	probable peptidyl-tRNA hydrolase
g13098.t1	NP_001007345.1	probable RNA polymerase II nuclear localization protein SLC7A6OS
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
qifan_comp149660_c0_seq2	P43306.1	Progonadoliberin-2
g51990.t1	Q5ZID2	Programmed cell death protein 2-like
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g16039.t1	CBN81355.1	Proline-rich protein 12
g27019.t1	XP_004478809.1	proline-rich protein 2
g56977.t1	XP_004564746.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g46354.t1	XP_706427.1	prostate stem cell antigen
g34961.t1	NP_001104648.1	protein BAT5
g40124.t1	XP_003446321.1	protein C10
g20822.t1	XP_003206010.1	protein Dok-7
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g5332.t1	XP_003961199.1	protein FAM53B
g6892.t1	ELW61426.1	Protein Filia
g13785.t1	XP_003504247.1	protein IWS1
g10117.t1	Q1LVC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g12881.t1	XP_004560274.1	protein NLR3
g50054.t1	XP_003785869.1	protein osteopotentia
g41849.t1	NP_957430.1	protein pelota
g11758.t1	XP_002259357.1	protein phosphatase
g50315.t1	NP_001017627.1	protein phosphatase 1 regulatory subunit 11
alltrinity_comp202628_c4_seq1	XP_005797030.1	protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g35880.t1	XP_001921217.3	protein piccolo
g35372.t1	XP_698190.5	protein PRR14L
g57665.t1	XP_002660902.2	protein RSM22 homolog, mitochondrial
g11311.t1	XP_698471.1	protein S100-A1
g14308.t1	P18583	Protein SON
225_ccaa	AHH42861.1	Protein starmaker
g44010.t1	NP_001245157.1	protein TALPID3
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g55407.t1	XP_004083412.1	protein-tyrosine kinase 2-beta
g48886.t1	Q8BNA6	Protocadherin Fat 3
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g26978.t1	ACO14094.1	Pterin-4-alpha-carbinolamine dehydratase 2
g3754.t1	XP_678204.1	p-type ATPase
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g19337.t1	B8A4F4	Putative ATP-dependent RNA helicase TDRD9
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g26061.t1	AAL35358.1	putative GAG protein
g13273.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g44550.t1	NP_001188210.1	putative l-aspartate dehydrogenase
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
pac_pacbio_410139138_1/8_1031	XP_003244703.1	putative nuclease HARB1
pac_pacbio_410136248_1/36_2527	AAD19347.1	putative nucleic acid binding protein
g16238.t1	Q5HY64	Putative protein FAM47C
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g56743.t1	XP_004066107.1	pyrin
g8763.t1	XP_004079812.1	pyruvate carboxylase, mitochondrial
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2

g18849.t1	XP_004569895.1	raftlin-2
g26589.t1	NP_001116518.1	RAS (RAD and GEM)-like GTP binding 2
g56421.t1	NP_001096163.1	RCAN family member 3
g14844.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g48398.t1	BAB83841.1	ReO_6
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g16208.t1	XP_003972313.1	reticulon-3
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g26575.t1	XP_002739124.1	RETrotransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
31_ccaa	ADO29417.1	ribonuclease h2 subunit c
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g1385.t1	XP_691626.5	RIMS-binding protein 2
g14749.t1	EMC80488.1	RING finger protein 213
g55724.t1	XP_003964771.1	RING finger protein 222
alltrinity_comp196499_c2_seq4	XP_001335441.4	RING finger protein 37
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g14356.t1	NP_996950.1	RNA polymerase-associated protein LEO1
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylate synthase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
g35921.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
pac_pacbio_409846677_2/23_1287	EUB55374.1	rRNA promoter binding protein
g51369.t1	XP_003454106.1	ryanodine receptor 2
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
qifan_comp149773_c0_seq5	XP_002663941.1	sarcoplasmic reticulum histidine-rich calcium-binding protein
g9517.t1	XP_003446322.1	SAYSvFN domain-containing protein 1
g250.t1	PF02023.12	SCAN
g11099.t1	XP_003199418.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g42097.t1	XP_003970379.1	selenoprotein H
g55918.t1	NP_919398.1	selenoprotein W, 2a
g55919.t1	NP_919399.3	selenoprotein W, 2b
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37033.t1	A2BGU9.1	Serine hydrolase-like protein
g50818.t1	XP_004564406.1	serine/arginine repetitive matrix protein 1
g6633.t1	EMP25055.1	Serine/arginine repetitive matrix protein 2
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g40094.t1	XP_004542346.1	serine/threonine-protein kinase MRCK alpha
g25978.t1	NP_001038590.1	serine/threonine-protein kinase MRCK beta
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g14597.t1	XP_004552509.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g58241.t1	XP_004551481.1	serologically defined colon cancer antigen 8
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g14649.t1	XP_004075685.1	SH2B adapter protein 2
g17279.t1	XP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
g43353.t1	NP_945332.2	shadow of prion protein
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
yu_Contig26491	AAI54252.1	Si:ch211-147a11.3 protein
yu_Contig17316	AAI54248.1	Si:ch211-215a10.4 protein
alltrinity_comp207989_c1_seq2	XP_003197657.2	si:ch211-235f1.3
alltrinity_comp207474_c0_seq13	XP_005160672.1	si:ch211-51a19.5
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12l12.1
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	YP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
ncbimma_375768756	XP_700595.3	si:dkey-9l23.6

qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g23054.t1	NP_942103.1	signal transducing adaptor family member 2
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g22493.t1	XP_001813277.1	similar to polyprotein
g16286.t1	Q6GP51	Single-pass membrane and coiled-coil domain-containing protein 4
g14331.t1	AAX28387.2	SJCHGC01615 protein
g56366.t1	AAK30342.1	SJCHGC03036 protein
g24434.t1	AAW24907.1	SJCHGC06398 protein
g3687.t1	AAX28135.2	SJCHGC07585 protein
qifan_comp275485_c0_seq1	AAK30961.2	SJCHGC09650 protein
g49029.t1	NP_001006010.1	Sjogren syndrome/scleroderma autoantigen 1
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10234.t1	XP_002662240.1	smoothelin
g33504.t1	XP_003970001.1	sn1-specific diacylglycerol lipase alpha
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor O2A10
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g44207.t1	XP_002665845.1	sodium/potassium/calcium exchanger 4
g10967.t1	XP_003200394.1	SPARC protein 1
g56465.t1	XP_004540041.1	SPARC-related modular calcium-binding protein 1
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g54349.t1	XP_004573629.1	sperm acrosome membrane-associated protein 4
g5037.t1	XP_696012.3	sperm-associated antigen 5
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g44215.t1	XP_001921905.3	stAR-related lipid transfer protein 9
g15561.t1	EMS57593.1	Stellacyanin
g1838.t1	XP_003438504.1	STIP1 homology and U box-containing protein 1
g17541.t1	EMP40862.1	Storkhead-box protein 2
g33229.t1	P18899	Stress protein DDR48
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g15021.t1	B2GV06	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
g11934.t1	NP_001012515.1	sugar transporter SWEET1
g22638.t1	XP_004557266.1	SUN domain-containing ossification factor
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g680.t1	NP_001232886.1	synaptotagmin-7
g6756.t1	Q5SQE2	Syntaxin-binding protein 5
g40330.t1	AER30050.1	T cell receptor gamma 2
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g22064.t1	AAH54698.1	Tceb2 protein
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
g41854.t1	CBN81388.1	Tectonic-3
g18134.t1	XP_004555260.1	telomerase protein component 1
g34751.t1	XP_004541587.1	tenascin
g7378.t1	NP_571043.1	teneurin-3
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
g233.t1	PF00335.15	Tetraspannin
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g11676.t1	NP_001002722.1	tetratricopeptide repeat protein 33
g40851.t1	NP_001017654.1	tetratricopeptide repeat protein 5
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g50419.t1	XP_004562995.1	thioredoxin, mitochondrial
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
g36919.t1	PF00229.13	TNF
g22210.t1	ADN37682.1	TNXB
cdna_vet_k79:5544	NP_001117782.1	toxin-1
g7388.t1	ELK38124.1	Trafficking protein particle complex subunit 9
g25291.t1	XP_003458132.1	transcription factor Adf-1
g56447.t1	XP_003200395.1	transcription factor E2F2
g35606.t1	A4QNR3	Transcription factor IIIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g22449.t1	XP_001341061.1	si:dkey-1h6.8

g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g8518.t1	XP_004086531.1	transforming growth factor-beta-induced protein ig-h3
g1005.t1	XP_004599305.1	translation initiation factor IF-2
g12038.t1	XP_003974623.1	translational activator GCN1
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g42139.t1	XP_003199940.1	transmembrane protein 109
g38313.t1	XP_004538305.1	transmembrane protein 132C
g57944.t1	XP_002666816.1	transmembrane protein 138
alltrinity_comp208479_c4_seq4	XP_686062.6	transmembrane protein 145
alltrinity_comp196143_c0_seq3	XP_005170961.1	transmembrane protein 154
g25813.t1	XP_003201087.1	transmembrane protein 221
qifan_comp138158_c0_seq1	NP_001003594.1	transmembrane protein 223
g9232.t1	Q7T316.2	Transmembrane protein 231
alltrinity_comp201002_c0_seq4	NP_001038261.1	transmembrane protein 244
qifan_comp98319_c0_seq3	XP_006022692.1	transmembrane protein 252
87_ccaa	AHH39949.1	Transmembrane protein 254
g5383.t1	XP_004549054.1	transmembrane protein 42
skin_comp65304_c0_seq2	ADO28190.1	transmembrane protein 85
85_ccaa	AHH39999.1	Transmembrane protein 88
qifan_comp84469_c0_seq1	XP_005173983.1	transmembrane protein 88B
g14377.t1	PF02994.9	Transposase_22
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g24169.t1	XP_001341898.4	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g51870.t1	A6QQX5	Tripartite motif-containing protein 44
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g12869.t1	XP_001337104.1	tropomyosin-2
g33862.t1	XP_004540326.1	tubulin polyglutamylase complex subunit 1
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52602.t1	XP_001338803.3	tumor protein p53-inducible protein 13
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
97_ccaa	AHH38493.1	U1 small nuclear ribonucleoprotein C
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g41228.t1	XP_003200185.1	u4/U6 small nuclear ribonucleoprotein Prp3
g30295.t1	NP_001006008.1	U8 snoRNA-decapping enzyme
g50396.t1	XP_003443216.1	ubiquitin-2
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
g50019.t1	A1L2G3.2	Ubiquitin carboxyl-terminal hydrolase BAP1
g4513.t1	PF00443.24	UCH
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
yu_k64:1538490	XP_002666317.2	uncharacterized LOC100331776
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
cdna_CK419724.1	XP_003199520.2	uncharacterized LOC100537499
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
pac_pacbio_409543459_3/16_2024	XP_005163390.1	uncharacterized LOC101882377
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
qifan_comp183148_c0_seq1	XP_005167028.1	uncharacterized LOC101884059
alltrinity_comp195831_c1_seq2	XP_005165796.1	uncharacterized LOC101884075
blue_Contig53338.1_13554	XP_005171068.1	uncharacterized LOC101884727
454_FWM5MQA02FJOBE	XP_005160982.1	uncharacterized LOC101885928
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
pac_pacbio_411777655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g57724.t1	XP_001333876.2	uncharacterized protein C11orf95
g10120.t1	XP_0026661405.1	uncharacterized protein C12orf56
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
454_FWM5MQA02IX9EO	NP_001188116.1	uncharacterized protein c1orf43
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
qifan_comp120236_c0_seq1	XP_002666730.2	uncharacterized protein C8orf59

alltrinity_comp181153_c1_seq1	XP_697413.6	uncharacterized protein C9orf172
g39411.t1	XP_0034449693.1	uncharacterized protein DDB_G0271670
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g3770.t1	O94854	Uncharacterized protein KIAA0754
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g12542.t1	XP_001335880.3	uncharacterized protein LOC100000241
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008
g36202.t1	NP_001107944.2	uncharacterized protein LOC100001353
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
g33873.t1	NP_001096105.1	uncharacterized protein LOC100124608
qifan_comp141121_c0_seq3	NP_001107480.1	uncharacterized protein LOC100135331
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
g14019.t1	NP_001121845.1	uncharacterized protein LOC100148025
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g9189.t1	XP_001920033.3	uncharacterized protein LOC100150699
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g32138.t1	XP_002123454.1	uncharacterized protein LOC100181721
g23702.t1	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp75296_c0_seq1	NP_001129045.1	uncharacterized protein LOC100190888
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g46254.t1	XP_002170745.2	uncharacterized protein LOC100206555
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
cdna_FD373143.1	XP_002663814.3	uncharacterized protein LOC100334068
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
cdna_aby_k47:90104	XP_002936147.2	uncharacterized protein LOC100486038
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g855.t1	XP_002943045.1	uncharacterized protein LOC100496405
g34964.t1	XP_003200192.1	uncharacterized protein LOC100534794
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_seq1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp151014_c1_seq19	XP_005478722.1	uncharacterized protein LOC100699558
g16371.t1	XP_003455299.1	uncharacterized protein LOC100704554
pac_pacbio_410509076_1/0_7116	XP_005460648.1	uncharacterized protein LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275

g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
g56699.t1	XP_003798099.1	uncharacterized protein LOC100966917
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g49148.t1	XP_003964989.1	uncharacterized protein LOC101068687
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g22804.t1	XP_003975018.1	uncharacterized protein LOC101072809
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g57723.t1	XP_004080138.1	uncharacterized protein LOC101155965
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04D78S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g23780.t1	XP_004082982.1	uncharacterized protein LOC101157745
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g22383.t1	XP_004085041.1	uncharacterized protein LOC101163544
g33339.t1	XP_004071748.1	uncharacterized protein LOC101164807
qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein LOC101166008
pac_pacbio_409662298_1/13_2522	XP_004071132.1	uncharacterized protein LOC101166628
g41003.t1	XP_004084534.1	uncharacterized protein LOC101167763
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g21956.t1	XP_004077302.1	uncharacterized protein LOC101169137
g30581.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein LOC101169968
g39869.t1	XP_004067821.1	uncharacterized protein LOC101170263
g35078.t1	XP_004070830.1	uncharacterized protein LOC101170430
g23236.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g54688.t1	XP_004080040.1	uncharacterized protein LOC101171781
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g19912.t1	XP_004085080.1	uncharacterized protein LOC101175291
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
blue_Contig71116.1_3547	XP_004212194.1	uncharacterized protein LOC101240998
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g44815.t1	XP_004573063.1	uncharacterized protein LOC101463720
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
alltrinity_comp195567_c0_seq17	XP_004549109.1	uncharacterized protein LOC101468782
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g48991.t1	XP_004554542.1	uncharacterized protein LOC101471575
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g57450.t1	XP_004570638.1	uncharacterized protein LOC101474939
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g2050.t1	XP_004549715.1	uncharacterized protein LOC101480956
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795

XY_XY_ctg228176	XP_004559649.1	uncharacterized protein LOC101486530
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein LOC101733949
g8540.t1	XP_004914926.1	uncharacterized protein LOC101734213
g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g42682.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
pac_pacbio_411880460_1/68_3063	XP_005167244.1	uncharacterized protein LOC101886427
blue_Contig72773.1_13489	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
qifan_comp85056_c0_seq1	XP_005450678.1	uncharacterized protein LOC102076367
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
blue_Contig85318.1_14523	XP_005466659.1	uncharacterized protein LOC102078152
qifan_comp244124_c0_seq1	XP_005464739.1	uncharacterized protein LOC102079542
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
alltrinity_comp207891_c0_seq5	XP_005451783.1	uncharacterized protein LOC102082977
blue_Contig43739.1_7430	XP_005466641.1	uncharacterized protein LOC102083163
qifan_comp200420_c0_seq1	XP_005741295.1	uncharacterized protein LOC102194460
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein LOC102213288
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein LOC102312885
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4_seq4	XP_006637780.1	uncharacterized protein LOC102694700
pac_pacbio_411813263_2/13_1292	XP_006810778.1	uncharacterized protein LOC102775714
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_410926873_3/3_3465	XP_007071937.1	uncharacterized protein LOC102935427
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42142.t1	NP_954967.1	uncharacterized protein LOC321250
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g52879.t1	NP_919241.1	uncharacterized protein LOC368382
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
skin_comp39326_c0_seq1	NP_001007178.3	uncharacterized protein LOC368892
g23854.t1	NP_001014343.1	uncharacterized protein LOC541508
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g44030.t1	NP_001018381.1	uncharacterized protein LOC553566
g14601.t1	NP_001018548.1	uncharacterized protein LOC553741
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g43484.t1	NP_001139031.1	uncharacterized protein LOC555790
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
g41211.t1	NP_001038267.2	uncharacterized protein LOC556372
g15055.t1	NP_001077293.2	uncharacterized protein LOC556440
g21903.t1	XP_685328.3	uncharacterized protein LOC557223
alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g19749.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
g29209.t1	NP_001121713.1	uncharacterized protein LOC558435
g39751.t1	NP_001020674.1	uncharacterized protein LOC558894
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g35453.t1	NP_001094417.1	uncharacterized protein LOC559398
g17875.t1	NP_001138831.1	uncharacterized protein LOC559409
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_seq1	NP_001122173.1	uncharacterized protein LOC560193
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g49915.t1	NP_001020690.2	uncharacterized protein LOC562128
g19925.t1	NP_001032189.1	uncharacterized protein LOC562761

qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g16214.t1	NP_001070637.1	uncharacterized protein LOC565601
g43191.t1	XP_694702.1	uncharacterized protein LOC566338
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g27434.t1	NP_001073507.1	uncharacterized protein LOC568780
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
g1285.t1	XP_003198870.1	uncharacterized protein LOC793418
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g54541.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_abyc_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019
g8416.t1	XP_001335286.1	uncharacterized protein LOC797003
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
cdna_abyc_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-106i3.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-12i12.1
qifan_comp136584_c0_seq1	XP_001923739.2	uncharacterized protein si:dkey-182g1.6
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
cdna_FD023915.1	XP_001337059.3	uncharacterized protein si:dkey-87o1.2
yu_Contig16052	XP_002661155.1	uncharacterized protein si:dkey-93n13.2
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
skin_comp25099_c0_seq1	XP_005171537.1	uncharacterized protein si:dkeyp-68b7.10
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
g23931.t1	Q96WV6	Uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
g29898.t1	NP_114199.1	unknown
g20175.t1	AAI68513.1	Unknown (protein for IMAGE:6962011)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g1042.t1	CAF89551.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
g16985.t1	NP_001108165.1	UPF0561 protein C2orf68
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
56_ccaa	ADO28726.1	upf0608 protein c19orf42
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g6098.t1	NP_001128601.1	urocanate hydratase 1
g32414.t1	XP_003442715.1	urocortin-3
g53242.t1	NP_001027901.1	uronyl 2-sulfotransferase
g19484.t1	Q5TJF0	Vacuolar protein sorting-associated protein 52
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g40236.t1	XP_004067822.1	vesicle-associated membrane protein 4
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g21206.t1	XP_004750191.1	von Willebrand factor A domain-containing protein 5A
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set

g11558.t1	XP_002666686.1	V-type proton ATPase catalytic subunit A
g27024.t1	ACJ65696.1	WAP1-like protein 1
g12339.t1	XP_004082853.1	WD repeat-containing protein 43
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g8217.t1	AAI27561.1	Wdr43 protein
g25429.t1	XP_003198683.1	whirlin
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g10548.t1	XP_003964415.1	WW domain-binding protein 11
g45386.t1	EMP34360.1	WW domain-binding protein 4
g6928.t1	XP_002666640.1	x-linked retinitis pigmentosa GTPase regulator-interacting protein 1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
blue_Contig58089.1_7468	AAI52526.1	Zcchc71 protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g26825.t1	AAI55809.1	Zgc:110694 protein
qifan_comp175963_c0_seq1	XP_005162501.1	Zgc:112994
g10677.t1	AAH90183.1	Zgc:158151 protein
g22092.t1	AAI24676.1	Zgc:161969 protein
g28474.t1	AAI22245.1	Zgc:162025 protein
g14599.t1	AAI53381.1	Zgc:162613 protein
g38680.t1	AAI34162.1	Zgc:162945 protein
g52808.t1	AAI42874.1	Zgc:173439 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_abby_k77:647615	AAI54814.1	Zgc:174945
g26714.t1	AAH49402.1	Zgc:55259 protein
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
g10490.t1	XP_002943251.2	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
g53397.t1	XP_003460684.1	zinc finger BED domain-containing protein 5
g5286.t1	XP_003973153.1	zinc finger CCCH domain-containing protein 10
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCCH domain-containing protein 14
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
g49034.t1	NP_001071086.1	zinc finger HIT domain-containing protein 2
g33738.t1	XP_003391482.1	zinc finger MYM-type protein 1
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
g43453.t1	XP_001340263.3	zinc finger protein 192
g41586.t1	NP_001037777.1	zinc finger protein 262
g11962.t1	ELK38750.1	Zinc finger protein 300
g5594.t1	NP_001108045.1	zinc finger protein 341
g48769.t1	NP_001038383.2	zinc finger protein 704
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g18680.t1	ACI33536.1	Zinc transporter ZIP1
g22012.t1	NP_001187614.1	zinc transporter zip11
g54687.t1	AGE89832.1	znf219
g17673.t1	XP_004457235.1	zonadhesin
g55891.t1	ACM16033.1	zwillling B
qifan_comp38323_c0_seq2	XP_004073800.1	zymogen granule membrane protein 16

Supplemental table 30. Catfish specific genes compared to stickleback

id	access number	Description
g16316.t1	NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
g42752.t1	NP_001038921.1	28S ribosomal protein S6, mitochondrial
g56209.t1	NP_001038861.1	28S ribosomal protein S9, mitochondrial
g25329.t1	ACM08690.1	39S ribosomal protein L1, mitochondrial
g50290.t1	Q1LWG3.1	39S ribosomal protein L36, mitochondrial
g24594.t1	XP_004555019.1	39S ribosomal protein L54, mitochondrial
g28775.t1	XP_003448734.1	5-azacytidine-induced protein 1
g57544.t1	NP_001032474.1	60 kDa SS-A/Ro ribonucleoprotein
g51640.t1	PF00001.16	7tm_1
g38120.t1	NP_001017843.1	8-oxo-dGDP phosphatase NUDT18
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g25180.t1	XP_700384.2	A disintegrin and metalloproteinase with thrombospondin motifs 2
g34556.t1	XP_001465588.1	A2 protein
g19098.t1	NP_001116845.1	abnormal spindle-like microcephaly-associated protein
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g24889.t1	NP_001003986.1	actin-binding Rho-activating protein
g37026.t1	A0JME2.2	Activating transcription factor 7-interacting protein 1
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g24652.t1	XP_004067711.1	adapter protein CIKS
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g1261.t1	NP_001137224.1	adenylate cyclase type 8
g33791.t1	NP_001018480.1	adenylate kinase 8
g16423.t1	Q25460	Adhesive plaque matrix protein
g16043.t1	BAG24411.1	adrenomedullin 5
g39916.t1	XP_686655.4	afadin
g12929.t1	P07898	Aggrecan core protein
g12954.t1	NP_001091654.1	A-kinase anchor protein 12
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g44045.t1	XP_001919948.2	a-kinase anchor protein 6
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g45262.t1	NP_956407.1	alkyldihydroxyacetonephosphate synthase, peroxisomal
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g40176.t1	ACN11035.1	Amidophosphoribosyltransferase
g871.t1	BAF93906.1	amylopullulanase
g35367.t1	NP_001187841.1	anaphase-promoting complex subunit CDC26
g55434.t1	AAM09278.1	androgen receptor
g45704.t1	XP_690746.2	androgen-induced gene 1 protein
pac_pacbio_411446684_2/55_2788	XP_005726648.1	angiogenin
alltrinity_comp207889_c0_seq4	NP_001187912.1	angiogenin-3
g6764.t1	NP_001186697.1	ankyrin repeat and KH domain-containing protein 1
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g43149.t1	XP_004086343.1	ankyrin repeat domain-containing protein SOWAHB
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
g9775.t1	P23529	Apolipoprotein E
100_ccaa	AHH38366.1	Apolipoprotein M
g12007.t1	BAA00422.1	apopolysialoglycoprotein
alltrinity_comp174163_c0_seq1	NP_001187845.1	apoptosis regulatory protein siva
g10452.t1	EMP31774.1	Aprataxin and PNK factor
g36566.t1	CBN81240.1	Archaemetzincin-2
g56166.t1	XP_004565640.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
g21089.t1	XP_003451946.1	arginine and glutamate-rich protein 1-B
g27238.t1	NP_001082937.1	arginyl-tRNA--protein transferase 1
g26351.t1	AAH96813.1	Arl15b protein
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g15606.t1	XP_699804.3	aspartate--tRNA ligase, mitochondrial
g29600.t1	XP_003975592.1	astrotactin-1
g47300.t1	XP_004074397.1	AT-hook DNA-binding motif-containing protein 1
alltrinity_comp348165_c0_seq1	XP_003229036.1	ATP synthase subunit epsilon, mitochondrial
qifan_comp127469_c0_seq1	NP_001166108.1	ATP synthase, H+ transporting, mitochondrial FO complex, subunit E
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g6670.t1	XP_003457877.1	ATP-binding cassette sub-family F member 3
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g38946.t1	NP_001038332.1	ATR-interacting protein

g36077.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
alltrinity_comp155303_c0_seq1	NP_001188371.1	avidin
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g39150.t1	XP_004069077.1	band 4.1-like protein 1
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g25932.t1	XP_003200724.1	barttin
g10579.t1	XP_001919171.2	b-cell receptor CD22
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g45968.t1	EHB16504.1	Beclin-1
g27926.t1	XP_004545868.1	BEN domain-containing protein 4
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g37348.t1	XP_695597.1	bestrophin-2
g26712.t1	NP_001018485.1	beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase
g27085.t1	XP_003439529.1	beta-adrenergic receptor kinase 2
g34117.t1	NP_001004554.1	beta-citryl-glutamate synthase B
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	ABI18126.1	Bid
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g29331.t1	XP_003446525.1	bis(5'-adenosyl)-triphosphatase
g25335.t1	NP_001180469.1	BMP-2-inducible protein kinase
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	Q1RM09	Brain acid soluble protein 1
g55784.t1	NP_001133623.1	brain protein I3
g58064.t1	PF13882.1	Bravo_FIGFY
g38526.t1	XP_003200939.1	BRCA1-A complex subunit RAP80
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g44361.t1	XP_693134.1	bromo adjacent homology domain-containing 1 protein
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g57258.t1	XP_002662035.2	butyrophilin protein 2
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g25960.t1	NP_571156.2	cadherin-2
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g12130.t1	XP_003976992.1	calcium-activated potassium channel subunit beta-4
g3133.t1	XP_002939992.1	calcyphosin-2
g58264.t1	XP_001337136.2	calmodulin-lysine N-methyltransferase
g45866.t1	XP_003964885.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g31172.t1	WP_006737104.1	carbohydrate-binding protein
g46853.t1	XP_002662526.2	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
alltrinity_comp187828_c0_seq1	XP_690733.5	cardiotrophin-like cytokine factor 1
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g42472.t1	NP_001134846.1	CB050 protein
g37481.t1	XP_004549685.1	CBP80/20-dependent translation initiation factor
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g57386.t1	ABA54949.1	CC chemokine SCYA101
g57387.t1	AAT52141.1	CC chemokine SCYA107
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g57385.t1	NP_001187124.1	CC chemokine SCYA112
alltrinity_comp188056_c1_seq1	AAZ99069.1	CC chemokine SCYA114B
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
182_ccaa	ABA54971.1	CC chemokine SCYA126
qifan_comp140824_c0_seq5	BAA31459.1	CC chemokine-1
qifan_comp200851_c0_seq1	XP_005806461.1	c-C motif chemokine 21
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g29525.t1	XP_003459734.1	CD2-associated protein

g54092.t1	XP_001922491.1	CD44 antigen
g812.t1	XP_003977471.1	CDC42 small effector protein 2
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g12467.t1	NP_001038757.2	cell death regulator aven
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g8477.t1	XP_001343147.2	cell surface A33 antigen
qifan_comp137693_c0_seq1	XP_003199235.2	cell surface glycoprotein CD200 receptor 1-A
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g47529.t1	XP_001919236.3	centriolin
g20772.t1	NP_001107081.1	centromere protein H
g16995.t1	XP_697409.4	centromere protein J
qifan_comp152646_c2_seq3	Q11LV50.1	Centromere protein P
g25618.t1	NP_001140135.1	Centromere protein Q
qifan_comp151822_c7_seq3	XP_001335405.3	centromere protein U
yu_Contig20690	XP_709181.2	centromere protein W
g39961.t1	XP_003986560.1	centrosomal protein 85kDa
g44104.t1	NP_001091860.1	centrosomal protein kizuna
g55487.t1	ELW67467.1	Centrosomal protein of 112 kDa
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g10206.t1	NP_001098184.1	cGMP-dependent protein kinase I alpha
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g4950.t1	1N9J_L	Chain L, Cocaine Hydrolytic Antibody 15a10
g10085.t1	NP_001154046.1	Checkpoint protein HUS1
g4046.t1	AAQ01587.1	chemokine
g22630.t1	NP_001107067.1	chemokine (C-C motif) ligand 20
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g31981.t1	NP_001187454.1	cholecystokinin
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g29509.t1	AAI62594.1	Chordin
g48783.t1	NP_001013311.1	chromatin accessibility complex protein 1
g10381.t1	XP_697956.3	chromodomain-helicase-DNA-binding protein 7
g53864.t1	XP_004067485.1	chromodomain-helicase-DNA-binding protein 9
g44608.t1	XP_706416.1	chromosomal protein D1
g34457.t1	AAI09460.1	Citrate lyase beta
g57810.t1	NP_001134772.1	CJ011 protein
g49852.t1	XP_003201433.1	c-Jun-amino-terminal kinase-interacting protein 1
alltrinity_comp199220_c1_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g820.t1	EMC77153.1	Class A basic helix-loop-helix protein 9
g22146.t1	XP_004573943.1	c-Maf-inducing protein
blue_Contig28037.1_3510	XP_005163595.1	CMRF35-like molecule 1
g44515.t1	ACO13723.1	Coblyrinic acid a,c-diamide adenosyltransferase, mitochondrial
g47640.t1	XP_004828389.1	coiled-coil domain containing 180
g36807.t1	NP_001188491.1	coiled-coil domain containing 57
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 103
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
g38240.t1	NP_001038595.2	coiled-coil domain-containing protein 11
YY_jcf4149490	XP_004063274.1	coiled-coil domain-containing protein 117
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g34576.t1	XP_003924188.1	coiled-coil domain-containing protein 158
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
qifan_comp145183_c0_seq5	XP_001341200.4	coiled-coil domain-containing protein 17
g41418.t1	XP_001334826.3	coiled-coil domain-containing protein 178
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g17238.t1	XP_003198830.1	coiled-coil domain-containing protein 37
g33966.t1	A758T5	Coiled-coil domain-containing protein 42
g55488.t1	NP_001092719.1	coiled-coil domain-containing protein 46
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g3420.t1	Q11X29.2	Coiled-coil domain-containing protein 79
g40624.t1	XP_004763581.1	coiled-coil domain-containing protein 83
g23148.t1	NP_001038849.1	coiled-coil domain-containing protein 85C-A
g52593.t1	XP_004543850.1	coiled-coil domain-containing protein 92
g43982.t1	XP_003200359.1	coiled-coil domain-containing protein C6orf97
qifan_comp167878_c0_seq1	NP_001076283.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 1
g46290.t1	XP_004559632.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 5
g34272.t1	NP_001187666.1	colipase
g10144.t1	PF01391.13	Collagen
g42838.t1	XP_004077473.1	collagen alpha-1(I) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g57795.t1	Q99MQ5	Collagen alpha-1(XXV) chain
g11681.t1	XP_003226309.1	collagen alpha-1(XXVIII) chain
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain

g1163.t1	XP_002798555.1	collagen protein 1
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
g37313.t1	NP_001133729.1	COMM domain-containing protein 1
g17985.t1	NP_001082867.1	COMM domain-containing protein 9
g32356.t1	XP_004076492.1	complement factor B
g13094.t1	XP_002771495.1	conserved hypothetical protein
g56330.t1	XP_001349472.1	conserved Plasmodium membrane protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
59_ccaa	ADO28627.1	copper transport protein atox1
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g45182.t1	XP_004557712.1	cordons-bleu protein-like 1
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAH85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticoliberin
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g39559.t1	AAH98871.1	Crbf12 protein
g13301.t1	XP_004080839.1	crossover junction endonuclease EME1
g47993.t1	NP_571167.1	cryptic protein
g14948.t1	XP_003978668.1	CST complex subunit CTC1
g32285.t1	XP_003198883.1	CTTNBP2 N-terminal-like protein
g18926.t1	XP_001919526.1	C-type natriuretic peptide 2
g35146.t1	BAI67116.1	C-type natriuretic peptide-3
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g6897.t1	NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g31010.t1	XP_696619.5	cyclic nucleotide-gated cation channel beta-1
g44203.t1	AAI62591.1	Cysteine rich transmembrane BMP regulator 1 (chordin like)
g37748.t1	XP_003962642.1	cysteine-rich motor neuron 1 protein
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
qifan_comp69228_c0_seq1	NP_001108388.2	cytochrome c oxidase assembly factor 3, mitochondrial
76_ccaa	AHH42778.1	Cytochrome c oxidase assembly factor 4 , mitochondrial
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
g13589.t1	NP_001139981.1	Cytokine-like protein 1
g33592.t1	XP_692712.4	cytoskeletal protein Sojo
g21709.t1	NP_001119903.1	cytoskeleton-associated protein 2
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
g8392.t1	XP_692458.2	cytospin-A
yu_k56:2035505	NP_001187144.1	DAP10
g12893.t1	XP_001340996.1	dapper homolog 3
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g19818.t1	NP_001038671.1	DBH-like monoxygenase protein 1
g34660.t1	XP_683798.2	DC-STAMP domain-containing protein 1
g9913.t1	XP_682800.2	DDB1- and CUL4-associated factor 15
g30928.t1	PF13358.1	DDE_3
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g30353.t1	XP_004558910.1	demethylmenaquinone methyltransferase
g20849.t1	XP_689212.5	DENN domain-containing protein 1A
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g11060.t1	NP_001187913.1	derlin-1
g53629.t1	ABI79462.1	diaphanous 2
g35636.t1	XP_003455577.1	disabled homolog 2-interacting protein
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g17889.t1	NP_999893.1	disks large homolog 4
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g1983.t1	XP_004571720.1	DNA excision repair protein ERCC-6
g35938.t1	XP_002937585.2	DNA helicase B
g1065.t1	NP_001119860.1	DNA ligase 1
g47652.t1	NP_001103184.1	DNA mismatch repair protein Msh3
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g17934.t1	XP_003453064.1	DNA polymerase zeta catalytic subunit
g26279.t1	XP_002663552.1	DNA repair protein SWI5
79_ccaa	AHH42422.1	DNA repair protein XRCC4
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g31412.t1	NP_001103954.1	dolichol kinase
378_ccaa	ADO28725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
alltrinity_comp204129_c0_seq12	XP_006630963.1	DPY30 domain-containing protein 1
g52531.t1	AAH95826.1	Dre1 protein

g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g37466.t1	Q6DCP6	Dymeclin
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
g39402.t1	XP_003978902.1	dynein heavy chain 9, axonemal
yu_Contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g42831.t1	XP_002664120.2	dystonin
g39031.t1	NP_775381.1	dystroglycan
g56136.t1	AAI62536.1	Dzip1 protein
alltrinity_comp198963_c0_seq7	XP_005165431.1	E3 ubiquitin-protein ligase ARIH2
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g2715.t1	O95714	E3 ubiquitin-protein ligase HERC2
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g40365.t1	XP_004079095.1	E3 ubiquitin-protein ligase RNF220
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g49877.t1	NP_957164.1	E3 ubiquitin-protein ligase znr1
g26829.t1	A5WWAO	E3 ubiquitin-protein ligase ZNRF3
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26237.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
yu_Contig27955	XP_006633449.1	EF-hand calcium-binding domain-containing protein 10
g19209.t1	NP_001017812.1	EF-hand calcium-binding domain-containing protein 11
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
alltrinity_comp200599_c0_seq4	XP_006633160.1	EF-hand calcium-binding domain-containing protein 6
g40507.t1	NP_001188418.1	EF-hand domain-containing family member B
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp73008_c0_seq1	XP_003199438.1	EKC/KEOPS complex subunit LAGE3
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g27683.t1	XP_001922506.1	ensconsin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g10697.t1	ABBS2640.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g38391.t1	NP_990515.1	ephrin-A5
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g12959.t1	NP_001187003.1	estrogen receptor
g47791.t1	XP_003459023.1	etoposide-induced protein 2.4
g18410.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g47020.t1	AAI29289.1	Evi5 protein
g38309.t1	XP_004540794.1	exonuclease 3'-5' domain-containing protein 1
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g46879.t1	NP_001187587.1	fam183a
g36769.t1	XP_001341227.3	Fanconi anemia-associated protein of 100 kDa
g34357.t1	PF02106.10	Fanconi_C
g53623.t1	Q6PIJ6	F-box only protein 38
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g58004.t1	YP_123587.1	FimV protein
g42043.t1	ACI69960.1	FLJ25371
g40209.t1	XP_004575319.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1
g54810.t1	ACJ36222.1	forkhead box P1b
g20767.t1	XP_003974564.1	frataxin, mitochondrial
qifan_comp146158_c0_seq1	NP_001188353.1	FXYD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
g29356.t1	XP_001919894.2	FYVE, RhoGEF and PH domain-containing protein 5
g39700.t1	NP_001093450.1	FYVE, RhoGEF and PH domain-containing protein 6
g38823.t1	Q6ZVF9	G protein-regulated inducer of neurite outgrowth 3
blue_Contig67003.1_3908	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g34959.t1	NP_001182171.1	g6f
g13782.t1	XP_002133577.1	GA22973
g43639.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein

g37416.t1	CBN80957.1	Gag-protease
qifan_comp52895_c0_seq1	XP_005163007.1	galxin
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36640.t1	NP_001140110.1	Gap junction beta-5 protein
g6093.t1	P29007	Gastrin-releasing peptide
g52458.t1	PF07699.8	GCC2_GCC3
g38767.t1	ADE73874.1	GCHV-induced protein 1
g25671.t1	XP_001921214.2	geminin coiled-coil domain-containing protein 1
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g36489.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
alltrinity_comp27190_c0_seq1	NP_756089.2	gluconate kinase 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
g2882.t1	WP_001271722.1	glutamine synthetase
g41195.t1	XP_004556497.1	glutamine-rich protein 2
skin_comp42119_c0_seq1	NP_001134169.1	glutaredoxin-like protein YDR286C
g16720.t1	ADO27976.1	glycine n-acyltransferase
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g53533.t1	NP_001018514.1	glyoxalase domain-containing protein 5
g9082.t1	NP_001032450.1	glypican-1
g3034.t1	YP_302666.1	gp140
g490.t1	XP_004071680.1	G-protein coupled receptor 183
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
yu_k62:1649929	NP_001094418.2	granulito
g25299.t1	NP_001104690.1	growth arrest-specific 1a
g898.t1	NP_001071269.1	growth arrest-specific 1b
g57857.t1	XP_003437728.1	growth arrest-specific protein 1
qifan_comp112233_c0_seq1	XP_005157000.1	growth-regulated alpha protein
g24953.t1	ACI33817.1	GTPase IMAP family member 4
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g2397.t1	NP_001002343.1	guanylate binding protein 1
g26899.t1	EHH09859.1	Guanylate cyclase soluble subunit beta-2
g25722.t1	NP_001187735.1	guanylin
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g29914.t1	ELW69465.1	HBS1-like protein
g50196.t1	NP_001070204.2	HBV PreS1-transactivated protein 3
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g56586.t1	XP_003204580.1	HCLS1-binding protein 3
g45611.t1	XP_003450103.1	HEAT repeat-containing protein 2
g31835.t1	XP_003443673.1	HEAT repeat-containing protein 7A
g53621.t1	XP_003272397.2	heat shock factor protein 5
g25287.t1	NP_001188049.1	heat shock protein beta-11
g28544.t1	AAH33020.1	Heat shock transcription factor family member 5
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g40525.t1	NP_001188323.1	hepcidin
alltrinity_comp190625_c1_seq6	XP_005457724.1	HERV-H LTR-associating protein 1
skin_comp69465_c0_seq1	NP_001007312.1	high mobility group nucleosome-binding domain-containing protein 3
ncbimrna_375794568	NP_997845.1	high mobility group protein HMGI-C
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g10908.t1	XP_685659.4	histone deacetylase 5
g42912.t1	P06350	Histone H1
g6844.t1	NP_001167383.1	histone-lysine N-methyltransferase PRDM9
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g13275.t1	NP_001152843.1	hydrocephalus inducing
g12364.t1	XP_001920196.2	hydrolethalus syndrome protein 1
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g19491.t1	EOB02515.1	hypothetical protein Anapl_05179
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g5480.t1	XP_002609682.1	hypothetical protein BRAFLDRAFT_123581

g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g39363.t1	XP_002603613.1	hypothetical protein BRAFLDRAFT_126923
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g11401.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g51281.t1	XP_002612858.1	hypothetical protein BRAFLDRAFT_67192
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g4478.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g7223.t1	ELT96916.1	hypothetical protein CAPTEDRAFT_203287
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_15852	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSYa_0654
g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g10092.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591

g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g31300.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein IscW_ISCW012389
g26906.t1	EHJ64573.1	hypothetical protein KGM_05799
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g33241.t1	NP_965518.1	hypothetical protein LJ1711
g8456.t1	XP_001922778.2	hypothetical protein LOC100000228
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10596.t1	XP_003200637.1	hypothetical protein LOC100034587
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g48374.t1	XP_001921749.3	hypothetical protein LOC100148950
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g26912.t1	XP_003200579.1	hypothetical protein LOC100149834
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g12971.t1	XP_001919813.2	hypothetical protein LOC100150366
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10383.t1	XP_001922042.3	hypothetical protein LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g15168.t1	XP_003197996.1	hypothetical protein LOC100322182
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g20608.t1	XP_002661760.2	hypothetical protein LOC100330775
g17427.t1	XP_002660724.2	hypothetical protein LOC100330837
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g24861.t1	XP_002665640.2	hypothetical protein LOC100331092
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g48575.t1	XP_002663377.2	hypothetical protein LOC100331483
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g57841.t1	XP_002662026.2	hypothetical protein LOC100333032
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g28698.t1	XP_003197997.1	hypothetical protein LOC100534713
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g3116.t1	XP_003199773.1	hypothetical protein LOC100535494
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein LOC100535628
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957

g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g12024.t1	XP_003201129.1	hypothetical protein LOC100536326
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g31236.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g13924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g48486.t1	XP_003199820.1	hypothetical protein LOC100537710
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g835.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
alltrinity_comp381973_c0_seq1	XP_003230335.1	hypothetical protein LOC100551644
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein LOC100636977
yu_Contig1642	XP_003390502.1	hypothetical protein LOC100637606
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g48860.t1	XP_003430776.1	hypothetical protein LOC100681616
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g49728.t1	XP_003442423.1	hypothetical protein LOC100693951
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g14329.t1	XP_003449587.1	hypothetical protein LOC100697617
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g15750.t1	XP_003458691.1	hypothetical protein LOC100704033
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g20224.t1	XP_003455887.1	hypothetical protein LOC100708291
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g56468.t1	XP_003445476.1	hypothetical protein LOC100711378
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g44635.t1	XP_001921158.2	hypothetical protein LOC449864
g5611.t1	XP_003200393.1	hypothetical protein LOC449979
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g31496.t1	XP_683935.3	hypothetical protein LOC556113
g30513.t1	XP_685048.4	hypothetical protein LOC557000
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g41393.t1	XP_687443.5	hypothetical protein LOC559049

g1380.t1	XP_687560.4	hypothetical protein LOC559152
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g23109.t1	XP_690881.2	hypothetical protein LOC562403
g40833.t1	XP_692201.3	hypothetical protein LOC563749
g562.t1	XP_692234.5	hypothetical protein LOC563780
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g21982.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g13766.t1	XP_003201051.1	hypothetical protein LOC568716
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g40615.t1	XP_697364.2	hypothetical protein LOC568911
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g34835.t1	XP_698030.5	hypothetical protein LOC573741
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g38954.t1	XP_001332567.3	hypothetical protein LOC792924
g50441.t1	XP_001333061.3	hypothetical protein LOC793321
g57140.t1	XP_001333219.1	hypothetical protein LOC793455
g56119.t1	XP_001921853.2	hypothetical protein LOC794266
g35106.t1	XP_003199182.1	hypothetical protein LOC794533
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g39084.t1	XP_001339544.1	hypothetical protein LOC799157
pac_pacbio_409787543_2/20_1120	ESO98415.1	hypothetical protein LOTGIDRAFT_159224
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g57576.t1	ELR61013.1	hypothetical protein M91_09415
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
g42457.t1	YP_660931.1	hypothetical protein Patl_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PscPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g19938.t1	EIE76881.1	hypothetical protein RO3G_01585
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPADRAFT_152410
pac_pacbio_409695269_4/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390
pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g21223.t1	EEZ97438.1	hypothetical protein TcasGA2_TC011269

g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
g42534.t1	PF06140.8	Ifl-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g27092.t1	NP_001117097.1	IGF binding protein 2
g29240.t1	NP_001233279.1	IL-10b protein
g48544.t1	PF02372.10	IL15
qifan_comp162661_c0_seq1	NP_001186609.1	im:6901724
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g5910.t1	AAH92165.1	Im:7147241
g13717.t1	NP_001108170.1	immunity-related GTPase family, f1
g16935.t1	P02976	Immunoglobulin G-binding protein A
g1746.t1	AAA82596.1	immunoglobulin light chain F class
g51417.t1	ACS94421.1	immunoglobulin light chain III variable region
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g31572.t1	XP_004553026.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g15715.t1	XP_004544382.1	indoleamine 2,3-dioxygenase 2
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g19673.t1	NP_998182.1	inositol-tetrakisphosphate 1-kinase
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g1340.t1	NP_001187175.1	intelectin 1
g35958.t1	NP_001187263.1	interferon gamma
g39506.t1	XP_003455952.1	interferon-induced protein 44
g56083.t1	EMP30003.1	Interferon-inducible GTPase 5
g10950.t1	NP_001018634.1	interleukin 17a/f2
g35960.t1	NP_001018628.1	interleukin 22
g46865.t1	NP_001106978.1	interleukin 23 receptor
g35959.t1	NP_001018635.1	interleukin 26
qifan_comp139105_c0_seq2	XP_005164266.1	interleukin 4 receptor, tandem duplicate 1
g10163.t1	XP_003454960.1	interleukin-1 receptor type 2
g29943.t1	NP_001018607.1	interleukin-1 receptor-associated kinase 1-binding protein 1
g4934.t1	XP_004565503.1	interleukin-17 receptor D
g21698.t1	BAI82584.1	interleukin-17N
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
alltrinity_comp182885_c0_seq2	ADB81777.1	interleukin-21
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
yu_Contig4862	AAN41455.1	interleukin-8 variant 3
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein USO1
g4533.t1	A7MBP4.2	Intraflagellar transport protein 46
g24054.t1	P07476	Involucrin
g30719.t1	EMP37633.1	IQ domain-containing protein G
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g26088.t1	XP_003440851.1	kelch-like protein 29
g8596.t1	NP_001164413.1	kelch-like protein 5
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
g11313.t1	XP_004541321.1	keratinocyte-associated protein 2
g51567.t1	PF13879.1	KIAA1430
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g55167.t1	AFM08414.1	kisspeptin 2
g40408.t1	XP_003969410.1	krev interaction trapped protein 1

g26223.t1	XP_004554834.1	kyphoscoliosis peptidase
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g34174.t1	NP_001017552.1	lamina associated polypeptide 1B
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g1395.t1	XP_690670.4	latent-transforming growth factor beta-binding protein 1
g23322.t1	ADO27844.1	latexin
g15807.t1	XP_002733056.1	latrophilin 2
ncbimma_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g30718.t1	XP_003200463.1	leucine-rich repeat and calponin homology domain-containing protein 3
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g26419.t1	XP_692159.4	leucine-rich repeat transmembrane neuronal protein 4
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g21087.t1	XP_004561425.1	leucine-rich repeat-containing protein 46
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g58077.t1	NP_001018537.1	leucine-rich repeat-containing protein C10orf11
g38845.t1	NP_001187136.1	leukocyte immune-type receptor 3
g54732.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g8669.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g13815.t1	AAI34196.1	LOC100148397 protein
g1607.t1	AAI39654.1	LOC407656 protein
g39925.t1	AAH88826.1	LOC496308 protein
g10211.t1	AAH91901.1	LOC553343 protein
g33965.t1	AAH95280.1	LOC553445 protein
g16114.t1	AAI34108.1	LOC557892 protein
g37900.t1	AAI24249.1	LOC562321 protein
qifan_comp228097_c0_seq1	AAI25887.1	LOC565118 protein
cdna_aby_k55:1035126	AAI34074.1	LOC570443 protein
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g7050.t1	XP_003441946.1	L-seryl-tRNA(Sec) kinase
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g45470.t1	Q25060.1	LWamide neuropeptides
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g31907.t1	XP_003966355.1	lymphocyte activation gene 3 protein
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
86_ccaa	AHH39989.1	LYR motif-containing protein 2
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1
g37317.t1	XP_004065665.1	lysozyme C, milk isozyme
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g17708.t1	ACI67278.1	Magnesium-dependent phosphatase 1
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
yu_k63:1574095	XP_005168547.1	MANSC domain-containing protein 1
g51530.t1	A6NH57	MANSC domain-containing protein 4
yu_Contig803	NP_001133522.1	MAP7 domain-containing protein 1
g50272.t1	PF02063.12	MARCKS
g20240.t1	XP_004576282.1	mast/stem cell growth factor receptor kita
g52897.t1	XP_003450249.1	mastermind-like protein 2
g43534.t1	EHB13963.1	Mastermind-like protein 3
g15185.t1	XP_002735800.1	matriptase
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
qifan_comp281743_c0_seq1	XP_004539198.1	max-interacting protein 1
g2368.t1	EDL40247.1	mCG1047287
g53361.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g6285.t1	EDL08828.1	mCG145114
g18370.t1	EDL20200.1	mCG145728

g40659.t1	PF05669.7	Med31
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g28118.t1	XP_003201286.1	membrane protein FAM159A
g33696.t1	XP_004600126.1	membrane protein, palmitoylated 7
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
g43218.t1	XP_003198596.1	membrane-spanning 4-domains subfamily A member 4A
g43215.t1	NP_001017670.1	membrane-spanning 4-domains, subfamily A, member 17A
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentin
cdna_clc_270469	XP_002665718.3	metalloendopeptidase OMA1, mitochondrial
g3959.t1	XP_004068467.1	metalloprotease TIK12
qifan_comp149057_c3_seq8	NP_001188160.1	methionine adenosyltransferase 2 subunit beta
g14285.t1	Q7ZVV9	Methionine aminopeptidase 1
g34175.t1	AAI52605.1	MGIC173689 protein
g3971.t1	XP_003449509.1	microfibril-associated glycoprotein 4
g1528.t1	XP_003218591.1	microsomal triglyceride transfer protein large subunit
g17716.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g46905.t1	XP_001341305.3	microtubule-associated serine/threonine-protein kinase 2
alltrinity_comp203544_c0_seq1	XP_006627139.1	microtubule-associated serine/threonine-protein kinase 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g20773.t1	ACO07921.1	Mitochondrial 28S ribosomal protein S36
yu_Contig23459	XP_006801450.1	mitochondrial assembly of ribosomal large subunit protein 1
qifan_comp146731_c1_seq4	NP_001187531.1	mitochondrial ATP synthase subunit e
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g38582.t1	ADO28791.1	mitochondrial cytochrome c oxidase subunit 7b
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g58200.t1	NP_001188229.1	mitogen-activated protein kinase scaffold protein 1
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
g33989.t1	NP_956591.1	monoglyceride lipase
g9882.t1	PF09812.4	MRP-L28
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g38261.t1	ELK27120.1	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38098.t1	XP_690904.4	mucin-5AC
g16954.t1	XP_004547389.1	multicilin
g28794.t1	XP_694616.4	multimerin 2
g7172.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g19001.t1	XP_001345218.3	MYCBP-associated protein
g22942.t1	XP_003976729.1	myelin gene regulatory factor
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
g35998.t1	XP_001919127.2	myoD family inhibitor domain-containing protein
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g18721.t1	XP_002940277.2	myosin-11
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g33180.t1	XP_002667190.2	myosin-XVIIIb
qifan_comp212465_c0_seq1	NP_001133962.1	Myristoylated alanine-rich C-kinase substrate
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g48593.t1	XP_003440536.1	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1
g19784.t1	XP_003459946.1	NACHT, LRR and PYD domains-containing protein 12
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
qifan_comp176263_c0_seq1	XP_005167665.1	NADH dehydrogenase
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
g46085.t1	NP_001187754.1	NADH dehydrogenase (ubiquinone) 1 subunit c2
g41374.t1	XP_003450957.1	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3
qifan_comp168279_c0_seq1	ACI67693.1	NADH dehydrogenase flavoprotein 3, mitochondrial
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g39069.t1	ADO27823.1	natterin
g1139.t1	XP_001335854.3	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g31860.t1	XP_001919922.1	nestin

g40622.t1	AAT02665.1	neural friend of GATA-A
g45836.t1	NP_001038272.1	neuroblastoma-amplified sequence
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACJ64069.1	neuromedin s
alltrinity_comp173394_c1_seq1	XP_005160570.1	neuromedin-U
g10044.t1	P55860	Neuromodulin
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g24956.t1	NP_899189.2	neuropeptide FF-amide peptidellike
g40728.t1	XP_003198998.1	neurosecretory protein VGF
g57275.t1	NP_001007764.1	neutral ceramidase
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
yu_Contig7863	XP_001338820.2	norrin
qifan_comp129372_c0_seq2	BAC45234.1	novel immune type receptor
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g1225.t1	CAQ13828.1	novel protein
g30604.t1	CAD43417.1	novel protein similar to human FLJ12550
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g11106.t1	XP_697644.5	novel protein similar to vertebrate contactin associated protein family
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g48725.t1	NP_001038624.1	nuclear factor of activated T-cells, cytoplasmic 1
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g22043.t1	XP_002664363.2	nucleolin 2
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g17076.t1	ABB29299.1	OCA2
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g22847.t1	ABD75623.1	orf1ab polyprotein
pac_pacbio_411116759_1/53_4899	BAE46428.1	ORF1-encoded protein
g43900.t1	ACN58673.1	Origin recognition complex subunit 3
g11628.t1	NP_997836.1	origin recognition complex subunit 6
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
g15906.t1	Q62052	P protein
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g29706.t1	AAH56084.1	P42pop protein
g24665.t1	ABW84004.1	p65 transcription factor
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g41819.t1	P15743	Parathyroid hormone
g45118.t1	XP_004086996.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g11064.t1	YP_001107629.1	PE-PGRS family protein
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g27475.t1	BAJ07835.1	perforin 1
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g27889.t1	XP_685305.1	PH and SEC7 domain-containing protein 2
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g10840.t1	NP_001187936.1	phosphatidylethanolamine N-methyltransferase
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4

yu_Contig19326	NP_001171884.1	phosphatidylinositol glycan anchor biosynthesis class U protein
g40242.t1	NP_998426.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit C
g40666.t1	NP_956006.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit P
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g48193.t1	ACO09392.1	Phospholemman
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g40198.t1	NP_001038667.1	phosphoribosylformylglycinamide synthase
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g54218.t1	XP_696355.4	piezo-type mechanosensitive ion channel component 1
pac_pacbio_412051358_1/14_5243	XP_004083158.1	piggyBac transposable element-derived protein 2
alltrinity_comp200811_c3_seq15	NP_001258403.1	pituitary tumor-transforming 1
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
alltrinity_comp202269_c0_seq11	XP_005156395.1	pleckstrin domain-containing family S member 1
g50680.t1	XP_004086701.1	plectin
g40062.t1	XP_003410187.1	plexin-A2
g30632.t1	XP_694914.3	plexin-B1
g44731.t1	XP_004553914.1	plexin-C1
g26973.t1	ABB20703.1	PlpE
g11332.t1	BAK19070.1	PL-toxin I
g6857.t1	PF05287.7	PMG
g25963.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g11561.t1	Q9NQ53	Poliovirus receptor-related protein 3
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
pac_pacbio_410235439_2/1_4437	XP_005164203.1	polymeric immunoglobulin receptor
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g52345.t1	Q64693	POU domain class 2-associating factor 1
g32182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein
blue_Contig73650.1_5861	XP_001785031.1	predicted protein_11_n
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g5902.t1	AEZ56940.1	prepro-orexin
skin_comp63440_c1_seq1	XP_002666179.1	pre-rRNA processing protein FTSJ3
g3526.t1	EGW05636.1	Prestalk protein
qifan_comp146427_c0_seq38	XP_002660420.2	primary ciliary dyskinesia protein 1
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g10194.t1	XP_004544307.1	probable E3 ubiquitin-protein ligase HECTD4
g3699.t1	XP_698091.2	probable E3 ubiquitin-protein ligase HERC1
g26273.t1	XP_003444460.1	probable exonuclease mut-7
g26844.t1	Q8IZF6	Probable G-protein coupled receptor 112
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g36333.t1	XP_686742.2	probable JmjC domain-containing histone demethylation protein 2C
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g48651.t1	ACO09716.1	Probable mitochondrial import receptor subunit TOM7
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g35724.t1	ABD33839.1	prolactin-releasing peptide C-RFamide
g57823.t1	ACY24366.1	proliferator-activated receptor gamma coactivator 1 alpha
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
qifan_comp148759_c1_seq6	XP_695751.4	proline-rich protein 11
g42773.t1	XP_004556116.1	proline-rich protein 18
g27019.t1	XP_004478809.1	proline-rich protein 2
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound
g4675.t1	NP_001130019.1	Prop-1-like homeobox protein
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
alltrinity_comp195553_c1_seq6	NP_001232875.1	prostate stem cell antigen
alltrinity_comp92512_c0_seq1	XP_003450926.1	prostate-associated microseminoprotein
g21232.t1	NP_001153456.1	protein AF1q
g41295.t1	XP_003438824.1	protein CCSMST1
g32493.t1	XP_003973424.1	protein DD11 homolog 2
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A

g29266.t1	XP_001922304.2	protein FAM107B
g27613.t1	XP_002934449.2	protein FAM149A
g22887.t1	XP_003199107.1	protein FAM150
g44148.t1	XP_697894.2	protein FAM161B
g13922.t1	NP_001076489.2	protein FAM166B
g47603.t1	Q7T297.2	Protein FAM172A
g21366.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g57503.t1	XP_004542702.1	protein FAM194A
g48523.t1	XP_004545492.1	protein FAM196B
g57888.t1	XP_003969495.1	protein FAM219B
g47630.t1	XP_001503756.1	protein FAM81B
g6892.t1	ELW61426.1	Protein Filia
g10369.t1	XP_004557223.1	protein IMPACT
g13785.t1	XP_003504247.1	protein IWS1
g10115.t1	Q11VC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g48467.t1	XP_003121852.1	protein kintoun
g49421.t1	XP_001338714.4	protein Lines
g13014.t1	XP_004084629.1	protein NLRC3
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g11758.t1	XP_002259357.1	protein phosphatase
alltrinity_comp202628_c4_seq1	XP_005797030.1	protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g51448.t1	XP_700422.2	protein phosphatase 1 regulatory subunit 32
g23048.t1	NP_001038856.1	protein phosphatase 1 regulatory subunit 35
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq1	XP_005162407.1	protein pitchfork
g53021.t1	NP_001153766.1	protein prune
g32614.t1	XP_002664838.1	protein PTHB1
g53035.t1	XP_690522.1	protein QN1
g26037.t1	XP_004540628.1	protein RD3
qifan_comp135681_c0_seq1	NP_001034197.1	protein ripply1
yu_k52:17550	NP_001034199.2	protein ripply3
g31866.t1	Q8BZG5	Protein RRAD1
g11311.t1	XP_698471.1	protein S100-A1
g32467.t1	XP_688629.4	protein SFI1
g14308.t1	P18583	Protein SON
g13009.t1	XP_003970742.1	protein spinster homolog 2
225_ccaa	AHH42861.1	Protein starmaker
g44009.t1	NP_001245157.1	protein TALPID3
g6472.t1	XP_002661201.2	protein TANC2
g37612.t1	XP_004739434.1	protein transport protein Sec61 subunit gamma
g26393.t1	XP_004538477.1	protein turtle homolog A
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g53403.t1	NP_001133695.1	Protein-lysine 6-oxidase
g55407.t1	XP_004083412.1	protein-tyrosine kinase 2-beta
qifan_comp133175_c0_seq1	NP_919357.2	prothymosin alpha-A
g48886.t1	Q8BNA6	Protocadherin Fat 3
g37820.t1	XP_003438412.1	protocadherin-15
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
alltrinity_comp188884_c0_seq3	NP_001137524.1	protransforming growth factor alpha
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_c0_seq1	XP_006627932.1	Purkinje cell protein 4
g13829.t1	EMC83910.1	Putative aarF domain-containing protein kinase 1
g19337.t1	B8A4F4	Putative ATP-dependent RNA helicase TDRD9
g46536.t1	XP_002938980.2	putative defense protein 3
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g15773.t1	XP_002933839.1	putative ferric-chelate reductase 1
blue_Contig74137.1_6994	XP_005295324.1	putative golgin subfamily A member 6C
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g48199.t1	XP_004545472.1	putative methyltransferase NSUN7
pac_pacbio_410136248_1/36_2527	AAD19347.1	putative nucleic acid binding protein
g44088.t1	XP_003978543.1	putative polypeptide N-acetylgalactosaminyltransferase protein 1
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
XY_XY_ctg488300	CBL94163.1	putative RNA-directed DNA polymerase
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein

skin_comp42512_c0_seq1	CAF92508.1	Putative transmembrane protein LOC100289255
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein CXorf58
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g1376.t1	XP_687488.3	PWWP domain-containing protein 2A
g25848.t1	ADO28129.1	qil1
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g41753.t1	XP_001923878.2	rab15 effector protein
qifan_comp177537_c0_seq1	XP_003199132.1	regulator complex protein LAMTOR5
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g29673.t1	XP_001332688.4	ras GTPase-activating protein nGAP
g53492.t1	XP_002734139.1	RAS protein activator like 1
g56421.t1	NP_001096163.1	RCAN family member 3
g2302.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
qifan_comp63515_c0_seq1	XP_001344817.1	regulator of cell cycle RGCC
g27348.t1	O54829	Regulator of G-protein signaling 7
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g26035.t1	AAT64103.1	reticulum 1-a1
g49661.t1	NP_001187815.1	retinoblastoma binding protein 9
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g41619.t1	XP_003455292.1	retinoic acid receptor beta
g43947.t1	NP_001122254.1	retinoic acid receptor responder protein 3
g42908.t1	XP_003439839.1	retinoic acid-induced protein 2
g26575.t1	XP_002739124.1	RETRtransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
pac_pacbio_410446628_1/14_8409	AAL35360.1	reverse transcriptase/ribonuclease H/putative methyltransferase
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g22458.t1	XP_003452401.1	rho GTPase-activating protein SYDE2
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
g5220.t1	CBN82191.1	Ribonuclease 3
31_ccaa	ADO29417.1	ribonuclease h2 subunit c
g4447.t1	XP_001346157.4	ribonuclease inhibitor
pac_pacbio_412068367_5/40_2901	NP_001093575.1	ribonuclease like 2
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
46_ccaa	ADO28905.1	rii domain-containing protein c1orf230
g10362.t1	XP_691626.5	RIMS-binding protein 2
g54222.t1	XP_002662988.1	RING finger protein 166
g25469.t1	XP_003443438.1	RING finger protein 212
g14749.t1	EMC80488.1	RING finger protein 213
g173.t1	XP_001921525.2	RING finger protein 214
yu_Contig21821	XP_006802786.1	RING finger protein C14orf164
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g30538.t1	NP_958474.1	RING1 and YY1-binding protein A
g29536.t1	XP_004706296.1	RNA binding protein fox-1 homolog 1
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylylase domain-containing protein 4
g17022.t1	Q8IXT5	RNA-binding protein 12B
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
skin_comp49416_c0_seq3	AAH50057.1	Rnasen protein
g48238.t1	XP_004571181.1	rootletin
g52285.t1	PF00078.22	RVT_1
g51369.t1	XP_003454106.1	ryanodine receptor 2
g51754.t1	Q9BY12	S phase cyclin A-associated protein in the endoplasmic reticulum
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
g25183.t1	AAI54831.1	Sb:cb1022 protein
g50982.t1	EMP27478.1	SCAN domain-containing protein 3
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
qifan_comp142061_c0_seq1	AAI24766.1	Sdc4 protein
g24553.t1	PF01390.15	SEA
g40150.t1	NP_001013582.1	sec1 family domain-containing protein 2
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1

g6185.t1	XP_004570864.1	seipin
g25061.t1	NP_001245158.1	selectin P ligand
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g55918.t1	NP_919398.1	selenoprotein W, 2a
g55919.t1	NP_919399.3	selenoprotein W, 2b
g37032.t1	XP_003976101.1	serine hydrolase protein
pac_pacbio_412191777_1/0_3199	XP_001333401.1	serine/arginine repetitive matrix protein 1
g23262.t1	XP_001922611.1	serine/arginine repetitive matrix protein 2
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g21868.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
alltrinity_comp205847_c0_seq1	XP_005157012.1	SERTA domain-containing protein 4
qifan_comp143170_c0_seq3	BAA36700.1	serum amyloid A protein
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g33657.t1	AAI14253.1	Sft2d3 protein
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6P0R8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
qifan_comp150838_c0_seq11	XP_694355.3	si:ch211-199g17.9
skin_comp64612_c0_seq2	NP_001139062.1	si:ch211-206k20.5
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
alltrinity_comp210636_c0_seq5	XP_003200089.2	si:dkey-103g5.4
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-121i2.1
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
cdna_clc_266768	AAH97228.1	Si:dkey-60a16.5 protein
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
qifan_comp141671_c1_seq1	AAI33988.1	Si:dkey-86e18.1 protein
ncbimma_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g17423.t1	Q9BZ22	Sialoadhesin
g32808.t1	XP_698593.4	sickle tail protein
g31380.t1	P41809	Signaling mucin HKR1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g22493.t1	XP_001813277.1	similar to polyprotein
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g14331.t1	AAAX28387.2	SJCHGC01615 protein
g56366.t1	AAAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
g2459.t1	AAAX28135.2	SJCHGC07585 protein
qifan_comp275485_c0_seq1	AAAX30961.2	SJCHGC09650 protein
qifan_comp213645_c0_seq1	XP_002667664.3	SLAM family member 5
g31366.t1	XP_003457715.1	SLAM family member 7
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPC10415.1	Slit like protein 3 protein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
qifan_comp132148_c0_seq1	XP_003437706.1	small EDRK-rich factor 2
g20798.t1	XP_003449195.1	small integral membrane protein 11
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g48087.t1	XP_003447288.1	small integral membrane protein 13
skin_comp67519_c0_seq1	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_seq1	XP_002663002.1	small integral membrane protein 20
cdna_FD350235.1	XP_002666500.1	small integral membrane protein 4
g15224.t1	POC850.1	Small membrane A-kinase anchor protein; Short=Small membrane AKAP
39_ccaa	ADO29221.1	small subunit of serine palmitoyltransferase a
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10234.t1	XP_002662240.1	smoothelin
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g15416.t1	XP_004571125.1	sodium bicarbonate cotransporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g26571.t1	ACA52542.1	soluble adenylyl cyclase
g10967.t1	XP_003200394.1	SPARC protein 1
g6033.t1	XP_004541517.1	sperliolin protein
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g28664.t1	NP_956821.1	sperm flagellar protein 1
qifan_comp140522_c0_seq6	NP_956706.1	spermatogenesis associated 6

g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g11437.t1	NP_001073660.2	spermatogenesis-associated protein 2
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
alltrinity_comp203461_c4_seq1	NP_001070815.1	sperm-tail PG-rich repeat-containing protein 2
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g15819.t1	AAI63449.1	SRY-box containing gene 5
g57413.t1	PF04503.8	SSDP
g12513.t1	AAI15223.1	Ssfa2 protein
g38956.t1	ABD83928.1	stabilin 1 precursor-like
g47377.t1	NP_001165106.1	stannin
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g15561.t1	EMS57593.1	Stellacyanin
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
g17541.t1	EMP40862.1	Storkhead-box protein 2
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33229.t1	P18899	Stress protein DDR48
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
g52433.t1	Q68FN7	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit B, mitochondrial
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g11617.t1	XP_003199509.1	suppressor of cytokine signaling 7
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g47279.t1	EMC89852.1	Sushi domain-containing protein 5
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
yu_Contig1566	B7ZD04.1	Swi5-dependent recombination DNA repair protein 1
g55620.t1	NP_001018339.1	synaptonemal complex central element protein 2
qifan_comp72641_c0_seq1	XP_685048.5	synaptonemal complex protein 2
g16230.t1	XP_004937894.1	synaptonemal complex protein 3
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
g53406.t1	XP_003444549.1	synphilin-1
g6756.t1	Q55QE2	Syntaxin-binding protein 5
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
g9573.t1	XP_004086185.1	tachykinin-like peptides receptor 86C
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g36220.t1	XP_004570054.1	TBC1 domain family member 30
g32976.t1	BAF37936.1	Tc1-like transposase
136_ccaa	AAR06175.1	T-cell receptor alpha
blue_Contig59415.1_12148	AA805251.1	T-cell receptor alpha variable region
alltrinity_comp198462_c1_seq4	AEL12165.1	T-cell receptor delta
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
g23808.t1	XP_004712901.1	T-cell surface glycoprotein CD3 epsilon chain
g12829.t1	NP_001187191.1	T-cell surface glycoprotein CD3 zeta chain
g31454.t1	ADM15562.1	Tcf4
g56562.t1	AAD56899.1	TCR beta variable region
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g18472.t1	XP_691552.5	teneurin-1
g4690.t1	XP_697293.5	teneurin-2
g7378.t1	NP_571043.1	teneurin-3
g48080.t1	G7NY55	Testis- and ovary-specific PAZ domain-containing protein 1
g40548.t1	XP_004551170.1	testis development-related protein
qifan_comp120154_c0_seq2	XP_005157775.1	testis expressed 26
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
qifan_comp140589_c0_seq1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g34615.t1	XP_002662229.2	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g37104.t1	XP_787826.3	tetratricopeptide repeat protein 27
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_seq1	NP_001124169.1	thymosin, beta 4 x
g12839.t1	XP_003199748.1	thyroid adenoma-associated protein
g55354.t1	XP_690889.2	thyrotropin-releasing hormone-degrading ectoenzyme
g35331.t1	AFN02885.1	TIK11
g54002.t1	NP_001003452.1	TIMELESS-interacting protein
g23024.t1	NP_001187154.1	TIR-containing adaptor molecule
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g25093.t1	XP_001923800.1	titin

g35633.t1	ABE99697.1	TNF receptor associated factor 1
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
g23672.t1	Q7ZV43.1	Toll-interacting protein
g54201.t1	NP_001187755.1	trafficking protein particle complex subunit 2
g12020.t1	ACO13970.1	TRAF-type zinc finger domain-containing protein 1
qifan_comp79042_c0_seq1	XP_005156464.1	transcription elongation regulator 1-like protein
g31455.t1	P15881	Transcription factor 4
g25291.t1	XP_003458132.1	transcription factor Adf-1
g35606.t1	A4QNR3	Transcription factor IIIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g53088.t1	XP_003445165.1	transcriptional protein SWT1
g3667.t1	WP_020235084.1	transcriptional regulator
g22449.t1	XP_001341061.1	sidkey-1h6.8
blue_Contig22666.1_15635	XP_005170502.1	transcriptional repressor p66-alpha
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g1005.t1	XP_004599305.1	translation initiation factor IF-2
g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g30130.t1	ACD93412.1	transmembrane agrin
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g9471.t1	NP_001164118.1	transmembrane inner ear expressed protein
g7226.t1	XP_002667042.1	transmembrane protein 100
skin_comp27957_c0_seq1	XP_005162650.1	transmembrane protein 108
180_ccaa	ABD83932.1	Transmembrane protein 116
skin_comp65551_c0_seq3	NP_001018360.1	transmembrane protein 127
40_ccaa	ADO29172.1	transmembrane protein 141
g56916.t1	XP_001342667.2	transmembrane protein 150C
skin_comp68976_c3_seq1	NP_001187956.1	transmembrane protein 167a
qifan_comp99401_c0_seq1	NP_001129456.1	transmembrane protein 186
blue_Contig39326.1_7677	XP_001341471.1	transmembrane protein 187
yu_Contig29971	NP_956692.1	transmembrane protein 218
g25813.t1	XP_003201087.1	transmembrane protein 221
qifan_comp98319_c0_seq3	XP_006022692.1	transmembrane protein 252
qifan_comp151994_c1_seq2	XP_005169458.1	transmembrane protein 44
yu_k60:64634	XP_001342604.1	transmembrane protein 81
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
g55170.t1	XP_003201132.1	transposon TX1 uncharacterized 149 kDa protein
g20623.t1	BAA09333.1	trans-sialidase
g13314.t1	ACI14300.1	TREP
g24169.t1	XP_001341898.4	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g41591.t1	NP_001120728.2	triple QxxK/R motif-containing protein
g12869.t1	XP_001337104.1	tropomyosin-2
g44809.t1	NP_001013341.1	tryptophanyl-tRNA synthetase, mitochondrial
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
g39417.t1	XP_005004102.1	tubulin polyglutamylase TTL11
g43845.t1	XP_001345122.3	tubulin polyglutamylase TTL5
g41079.t1	NP_571918.2	tumor necrosis factor (ligand) superfamily, member 10
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g40223.t1	NP_001036166.1	tumor necrosis factor ligand superfamily member 6
g30260.t1	XP_004554197.1	tumor necrosis factor receptor superfamily member 1A
g11994.t1	NP_001170916.1	two pore channel 3
g37238.t1	NP_001158515.1	type I interferon 4
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g39134.t1	NP_001188274.1	type-1 angiotensin II receptor-associated protein
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g4041.t1	NP_001098410.1	ubiquitin 2
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
alltrinity_comp209639_c2_seq2	ADO27919.1	ubiquinol-cytochrome c reductase complex chaperone cbp3
g40840.t1	NP_001122257.1	ubiquitin
g40272.t1	XP_002665714.2	ubiquitin carboxyl-terminal hydrolase 24
53_ccaa	ADO28792.1	ubiquitin-fold modifier 1
g42956.t1	NP_001038911.1	UBX domain-containing protein 10
g4513.t1	PF00443.24	UCH
qifan_comp139002_c0_seq2	NP_0011440020.1	UDP-N-acetylglucosamine transferase subunit ALG14
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199

cdna_CK419724.1	XP_003199520.2	uncharacterized LOC100537499
pac_pacbio_410131720_2/9_515	XP_003777772.1	uncharacterized LOC100939189
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
pac_pacbio_409754118_2/13_1631	XP_005163381.1	uncharacterized LOC101884547
alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
pac_pacbio_411702949_2/18_2730	XP_005169548.1	uncharacterized LOC101885524
454_FWM5MQA02FJOBE	XP_005160982.1	uncharacterized LOC101885928
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
pac_pacbio_411777655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
qifan_comp142062_c0_seq4	XP_706374.4	uncharacterized protein C11orf74
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g51999.t1	A8MZFO	Uncharacterized protein C11orf89
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
g21042.t1	Q6ZR16	Uncharacterized protein C15orf39
g53806.t1	NP_001013486.1	uncharacterized protein C15orf43
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g30903.t1	XP_001335597.2	uncharacterized protein C15orf60
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g43632.t1	XP_003198174.1	uncharacterized protein C17orf104
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
yu_Contig17514	XP_004552952.1	uncharacterized protein C1orf146
g39113.t1	XP_001341090.2	uncharacterized protein C1orf158
g34284.t1	XP_001493985.1	uncharacterized protein C1orf194
454_FWM5MQA02JX9EO	NP_001188116.1	uncharacterized protein c1orf43
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
skin_comp62127_c0_seq1	NP_001187992.1	uncharacterized protein c2orf64
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
yu_Contig13118	XP_005155908.1	uncharacterized protein C3orf14
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g32240.t1	Q6P2K3	Uncharacterized protein C3orf67
g25342.t1	NP_001187330.1	uncharacterized protein c4orf22
g50311.t1	XP_002665577.1	uncharacterized protein C5orf49
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
61_ccaa	ADO28427.1	uncharacterized protein c6orf125
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g10146.t1	XP_690269.4	uncharacterized protein C7orf57
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g47641.t1	XP_003198708.1	uncharacterized protein C9orf174
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
g53.t1	XP_001334272.1	uncharacterized protein CXorf21
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
alltrinity_comp1212_c0_seq1	XP_003197967.1	uncharacterized protein DDB_G0292642
g52823.t1	XP_001344930.1	uncharacterized protein DKFZp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g17100.t1	NP_001138262.1	uncharacterized protein FLJ46082
cdna_clc_265376	XP_005158872.1	uncharacterized protein im:7136021
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
g45381.t1	XP_003449562.1	uncharacterized protein KIAA0564
g3770.t1	O94854	Uncharacterized protein KIAA0754
g44842.t1	Q5RG44	Uncharacterized protein KIAA1211
g36818.t1	XP_001341226.3	uncharacterized protein KIAA1462
pac_pacbio_411145895_2/0_2227	XP_005466789.1	uncharacterized protein KIAA1586
g15870.t1	XP_001333668.2	uncharacterized protein KIAA1841
g31480.t1	XP_003453963.1	uncharacterized protein KIAA2026
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g19234.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008

qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
g9005.t1	NP_001104709.1	uncharacterized protein LOC100002393
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
alltrinity_comp192940_c0_seq1	XP_001344440.5	uncharacterized protein LOC100005359
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g1321.t1	XP_001345583.3	uncharacterized protein LOC100007012
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
skin_comp46055_c0_seq1	NP_001092726.1	uncharacterized protein LOC100093702
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_seq1	NP_001108579.1	uncharacterized protein LOC100141491
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp171948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g44767.t1	NP_001137527.1	uncharacterized protein LOC100149419
g17131.t1	XP_001920572.1	uncharacterized protein LOC100149436
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
g37022.t1	NP_001139181.1	uncharacterized protein LOC100151507
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
XY_XY_ctg442400	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
qifan_comp75296_c0_seq1	NP_001129045.1	uncharacterized protein LOC100190888
g56498.t1	NP_001129460.1	uncharacterized protein LOC100191015
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g46254.t1	XP_002170745.2	uncharacterized protein LOC100206555
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
cdna_FD373143.1	XP_002663814.3	uncharacterized protein LOC100334068
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g855.t1	XP_002943045.1	uncharacterized protein LOC100496405
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein LOC100535981
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_seq1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp151014_c1_seq19	XP_005478722.1	uncharacterized protein LOC100699558
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215

g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g31877.t1	XP_003731413.1	uncharacterized protein LOC100889854
g29219.t1	XP_003769098.1	uncharacterized protein LOC100918809
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
g44605.t1	XP_003969162.1	uncharacterized protein LOC101061194
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g14779.t1	XP_003978935.1	uncharacterized protein LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g5308.t1	XP_004022588.1	uncharacterized protein LOC101122670
g11457.t1	XP_004082662.1	uncharacterized protein LOC101154992
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04D78S03FUJ09	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g23780.t1	XP_004082982.1	uncharacterized protein LOC101157745
g57738.t1	XP_004080147.1	uncharacterized protein LOC101158890
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g29180.t1	XP_004069062.1	uncharacterized protein LOC101163073
g22383.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein LOC101166008
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
pac_pacbio_409662298_1/13_2522	XP_004071132.1	uncharacterized protein LOC101166628
g55617.t1	XP_004071892.1	uncharacterized protein LOC101166720
g24885.t1	XP_004073985.1	uncharacterized protein LOC101166970
g38796.t1	XP_004080663.1	uncharacterized protein LOC101167745
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein LOC101169968
g24732.t1	XP_004073012.1	uncharacterized protein LOC101170193
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g33517.t1	XP_004209957.1	uncharacterized protein LOC101235972
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
g44815.t1	XP_004573063.1	uncharacterized protein LOC101463720
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
pac_pacbio_410677548_1/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g22413.t1	XP_004572072.1	uncharacterized protein LOC101466125
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g9571.t1	XP_004539275.1	uncharacterized protein LOC101466841
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433

g22535.t1	XP_004576354.1	uncharacterized protein LOC101468882
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g8369.t1	XP_004553620.1	uncharacterized protein LOC101470917
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g43354.t1	XP_004572114.1	uncharacterized protein LOC101476797
g23641.t1	XP_004546534.1	uncharacterized protein LOC101477917
g16676.t1	XP_004542626.1	uncharacterized protein LOC101478545
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g46364.t1	XP_004552553.1	uncharacterized protein LOC101483291
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
XY_XY_ctg228176	XP_004559649.1	uncharacterized protein LOC101486530
g45137.t1	XP_004571616.1	uncharacterized protein LOC101486766
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g35800.t1	XP_004741959.1	uncharacterized protein LOC101671460
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g126.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein LOC101733949
g10647.t1	XP_004917417.1	uncharacterized protein LOC101734075
qifan_comp95407_c0_seq1	XP_004918303.1	uncharacterized protein LOC101734130
g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
blue_contig59197_1_16406	XP_005165144.1	uncharacterized protein LOC101884020
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein LOC101884337
yu_contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
alltrinity_comp205992_c2_seq2	XP_005173016.1	uncharacterized protein LOC101886442
blue_contig2748_1_27327	XP_005294352.1	uncharacterized protein LOC101948872
blue_contig46806_1_9404	XP_005435829.1	uncharacterized protein LOC102057050
pac_pacbio_409506783_2/6_2417	XP_005461383.1	uncharacterized protein LOC102076050
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
YY_cfd4885817	XP_005462000.1	uncharacterized protein LOC102080201
pac_pacbio_409643086_1/10_5139	XP_005466369.1	uncharacterized protein LOC102080911
pac_pacbio_412372638_2/0_2381	XP_005457242.1	uncharacterized protein LOC102081353
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
alltrinity_comp207891_c0_seq5	XP_005451783.1	uncharacterized protein LOC102082977
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp121194_c0_seq3	XP_005722490.1	uncharacterized protein LOC102209022
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein LOC102213288
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288

pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42142.t1	NP_954967.1	uncharacterized protein LOC321250
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g28662.t1	XP_002664218.1	uncharacterized protein LOC368914
g37316.t1	NP_956824.1	uncharacterized protein LOC393502
cdna_clc_273141	NP_001004627.1	uncharacterized protein LOC447888
g25407.t1	NP_001124069.1	uncharacterized protein LOC492631
g24292.t1	NP_001073633.1	uncharacterized protein LOC492735
g28058.t1	NP_001017719.1	uncharacterized protein LOC550414
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
g33471.t1	NP_001018552.1	uncharacterized protein LOC553745
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein LOC555281
g39957.t1	NP_001037797.1	uncharacterized protein LOC555399
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
g58176.t1	NP_001139034.1	uncharacterized protein LOC556058
g32241.t1	NP_001103493.1	uncharacterized protein LOC556322
yu_Contig13501	NP_001038175.1	uncharacterized protein LOC557283
alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g19747.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
g20482.t1	NP_001103851.1	uncharacterized protein LOC558938
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g27792.t1	NP_001103927.1	uncharacterized protein LOC559349
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_seq1	NP_001122173.1	uncharacterized protein LOC560193
g49660.t1	NP_001122178.1	uncharacterized protein LOC561073
qifan_comp153125_c1_seq8	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
alltrinity_comp39900_c0_seq2	NP_001108320.1	uncharacterized protein LOC563576
g28780.t1	XP_692038.1	uncharacterized protein LOC563583
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
alltrinity_comp196688_c0_seq25	XP_693489.5	uncharacterized protein LOC565101
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g53525.t1	NP_001099060.1	uncharacterized protein LOC565650
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein LOC568418
g27434.t1	NP_001073507.1	uncharacterized protein LOC568780
g13669.t1	NP_001103295.1	uncharacterized protein LOC569067
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g29942.t1	XP_698250.3	uncharacterized protein LOC569751
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
g21446.t1	NP_001073526.1	uncharacterized protein LOC571919
g37219.t1	XP_003723975.1	uncharacterized protein LOC583273
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g49359.t1	NP_001032667.1	uncharacterized protein LOC641580
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g8283.t1	XP_001233307.2	uncharacterized protein LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g30647.t1	NP_001116774.1	uncharacterized protein LOC791449
skin_comp70082_c0_seq1	NP_001122246.1	uncharacterized protein LOC792608
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639

g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g54386.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019
g49632.t1	NP_001121742.1	uncharacterized protein LOC796180
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g57809.t1	NP_001076390.1	uncharacterized protein LOC797943
g12860.t1	XP_001334950.1	uncharacterized protein LOC798209
g44342.t1	NP_001122274.1	uncharacterized protein LOC798626
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g55533.t1	XP_001339640.2	uncharacterized protein LOC799264
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
degen_deg7180003840307	XP_001624008.1	Uncharacterized protein ORF50
g7702.t1	O96185	Uncharacterized protein PFB0460c
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-121i2.1
qifan_comp136584_c0_seq1	XP_001923739.2	uncharacterized protein si:dkey-182g1.6
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
alltrinity_comp197657_c0_seq1	XP_697773.3	uncharacterized protein si:dkey-98j1.5
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein sirp71-80o10.4
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
g23931.t1	Q96WV6	Uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g35482.t1	AAI42910.1	Unknown (protein for IMAGE:8147032)
g11234.t1	CCD12684.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
pac_pacbio_411251993_1/12_1808	CAG02552.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
alltrinity_comp184019_c0_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
pac_pacbio_411392801_1/0_2175	CAG06189.1	unnamed protein product
g27966.t1	NP_001158638.1	UPF0235 protein C15orf40
g9282.t1	NP_001188166.1	upf0366 protein c11orf67
g11140.t1	NP_001188061.1	upf0490 protein c1orf201
g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
g27604.t1	ADO27753.1	upf0602 protein c4orf47
g42599.t1	XP_001333493.1	UPF0628 protein C10orf96
g56469.t1	ELK32536.1	UPF0639 protein
g28206.t1	XP_004069875.1	UPF0691 protein C9orf116
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
g39548.t1	NP_001093491.2	UPF0722 protein C11orf88
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein C1orf227
cdna_vet_k79:94857	NP_001038883.1	UPF0740 protein C1orf192
qifan_comp125258_c0_seq1	NP_001186962.1	up-regulated during skeletal muscle growth protein 5
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g13373.t1	XP_004937023.1	uro-adherence factor A
g32414.t1	XP_003442715.1	urocortin-3
g20036.t1	XP_696200.4	uromodulin-like 1
qifan_comp136235_c0_seq1	NP_001093533.1	uroplakin 3b
g56082.t1	NP_001035332.1	uroplakin-1a
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g19327.t1	XP_004560086.1	vacuolar protein sorting-associated protein 13B
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g40236.t1	XP_004067822.1	vesicle-associated membrane protein 4
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein

g21761.t1	NP_001233274.1	VIG-B319.A protein
g31661.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g36598.t1	XP_001920550.3	voltage-dependent T-type calcium channel subunit alpha-1G
g47503.t1	XP_003198197.1	voltage-dependent T-type calcium channel subunit alpha-1H
g21239.t1	XP_694715.4	voltage-dependent T-type calcium channel subunit alpha-1I
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g10819.t1	XP_002942463.2	vomeronasal type-2 receptor 26
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g21206.t1	XP_004750191.1	von Willebrand factor A domain-containing protein 5A
g39367.t1	XP_002662899.2	VPS10 domain-containing receptor SorCS2
g42165.t1	PF05678.9	VQ
g14725.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g16736.t1	NP_001002726.2	WD repeat and HMG-box DNA-binding protein 1
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
g56375.t1	XP_002665237.1	WD repeat-containing protein C2orf86
alltrinity_comp165287_c1_seq1	XP_003199030.2	WD repeat-containing protein KIAA1875
g13202.t1	XP_001232879.3	Wilms tumor protein 1-interacting protein
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
g6928.t1	XP_002666640.1	x-linked retinitis pigmentosa GTPase regulator-interacting protein 1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g22898.t1	AAI52526.1	Zcchc7l protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g26825.t1	AAI55809.1	Zgc:110694 protein
g28651.t1	AAH91871.1	Zgc:112945
qifan_comp175963_c0_seq1	XP_005162501.1	Zgc:112994
g10677.t1	AAH90183.1	Zgc:158151 protein
g9309.t1	AAI33136.1	Zgc:158613 protein
g28474.t1	AAI22245.1	Zgc:162025 protein
g7219.t1	AAH90678.1	Zgc:162509 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g10895.t1	XP_699124.4	zinc finger and BTB domain-containing protein 46
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
yu_Contig14874	XP_003200465.2	zinc finger B-box domain-containing protein 1
g20115.t1	XP_003390586.1	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g33739.t1	XP_693211.3	zinc finger CCHC domain-containing protein 2
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
g39584.t1	NP_001017401.1	zinc finger HIT domain-containing protein 1
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g9948.t1	XP_003200426.1	zinc finger protein 106
g21833.t1	XP_003198345.1	zinc finger protein 135
qifan_comp97580_c0_seq1	NP_001071004.1	zinc finger protein 185 (LIM domain)
g43453.t1	XP_001340263.3	zinc finger protein 192
g11962.t1	ELK38750.1	Zinc finger protein 300
g24285.t1	NP_001073499.1	zinc finger protein 423
blue_Contig43726.1_14553	XP_005168114.1	zinc finger protein 45
g51980.t1	Q96JG9	Zinc finger protein 469
g54018.t1	XP_693857.3	zinc finger protein 536
g53415.t1	XP_002663202.2	zinc finger protein 608
g51570.t1	Q8BZ47	Zinc finger protein 609
g48769.t1	NP_001038383.2	zinc finger protein 704
g40252.t1	XP_003455943.1	zinc finger protein 729
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862

g11948.t1	NP_998659.2	zinc finger protein AEBP2
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g40620.t1	Q8WW38	Zinc finger protein ZFPM2
g10976.t1	NP_001034613.1	zinc finger protein, multitype 2b
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g18680.t1	ACI33536.1	Zinc transporter ZIP1
g22012.t1	NP_001187614.1	zinc transporter zip11
g22158.t1	XP_684807.5	zinc/RING finger protein 3
g54687.t1	AGE89832.1	zfn219
g37153.t1	XP_004539009.1	zona pellucida sperm-binding protein 3
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwilling B

Supplemental table 31. Catfish specific genes compared to tetraodon

id	access number	Description
g41708.t1	NP_001134545.1	15.5 kDa protein
g26104.t1	XP_003440845.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1
g16316.t1	NP_001155125.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
g7126.t1	XP_003200059.1	28S ribosomal protein S22, mitochondrial
g42752.t1	NP_001038921.1	28S ribosomal protein S6, mitochondrial
qifan_comp208530_c0_seq1	XP_005924448.1	39S ribosomal protein L40, mitochondrial
g48766.t1	XP_004549260.1	39S ribosomal protein L53, mitochondrial
g30283.t1	ACQ57982.1	3-beta-hydroxysteroid-Delta8,Delta7-isomerase
qifan_comp246044_c0_seq1	XP_001343422.1	3-dehydroquinate synthase, chloroplastic
g31784.t1	NP_001187066.1	40S ribosomal protein SA
g26916.t1	XP_003388527.1	52 kDa repressor of the inhibitor of the protein kinase
g49412.t1	NP_001187620.1	5-formyltetrahydrofolate cyclo-ligase
g29826.t1	XP_004550031.1	60S ribosomal protein L23a
g38120.t1	NP_001017843.1	8-oxo-dGDP phosphatase NUDT18
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g34556.t1	XP_001465588.1	A2 protein
g23163.t1	NP_001116521.1	aarF domain containing kinase 1
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein sla1
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g20566.t1	NP_001184183.1	actinodin1
g11283.t1	NP_001104660.1	actinodin2
g35717.t1	ELV12062.1	Acyl-CoA dehydrogenase family member 11
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g49652.t1	NP_001187460.1	acylphosphatase-2
g57802.t1	XP_003459114.1	ADAMTS-like protein 1
g49357.t1	XP_003198947.1	ADAMTS-like protein 3
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g16423.t1	Q25460	Adhesive plaque matrix protein
qifan_comp150285_c0_seq2	XP_005165878.1	ADP-ribosylation factor-like protein 6-interacting protein 6
g16043.t1	BAG24411.1	adrenomedullin 5
blue_Contig76042.1_12824	AAL35358.1	AF442732_1 putative GAG protein
g12929.t1	P07898	Aggrecan core protein
g45378.t1	XP_686916.5	A-kinase anchor protein 11
g49471.t1	XP_003198954.1	a-kinase anchor protein 13
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g44046.t1	XP_001919948.2	a-kinase anchor protein 6
g10386.t1	NP_001076514.1	A-kinase anchor protein SPHKAP
g24855.t1	XP_003200692.1	alanine and arginine-rich domain-containing protein
g26921.t1	XP_004066417.1	aldehyde oxidase
g56486.t1	XP_003445558.1	ALK tyrosine kinase receptor
g45977.t1	NP_998048.1	alkylglycerol monooxygenase
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g50313.t1	XP_004560992.1	alpha-tubulin N-acetyltransferase
g34347.t1	NP_001116730.1	aminopeptidase O
g871.t1	BAF93906.1	amylopullulanase
qifan_comp127163_c0_seq1	XP_002666018.1	anaphase-promoting complex subunit 13
g55434.t1	AAM09278.1	androgen receptor
g45776.t1	XP_004541796.1	androglobin
pac_pacbio_411446684_2/55_2788	XP_005726648.1	angiogenin
alltrinity_comp207889_c0_seq4	NP_001187912.1	angiogenin-3
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g16455.t1	XP_003771102.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g14514.t1	XP_004563332.1	AP-1 complex-associated regulatory protein
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
yu_Contig25459	ACI15894.1	apolipoprotein C-I
g9775.t1	P23529	Apolipoprotein E
g1338.t1	XP_001339242.2	apolipoprotein L4
g7984.t1	NP_001032192.1	apolipoprotein O
g12007.t1	BAA00422.1	apopolysialoglycoprotein
g6029.t1	NP_001187866.1	apoptosis regulator bax
g11898.t1	Q9I9N6.1	Apoptosis-associated speck-like protein containing a CARD
g10452.t1	EMP31774.1	Aprataxin and PNK factor
g17175.t1	AAH95775.1	Aqp11 protein
g56166.t1	XP_004565640.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
g33952.t1	XP_003228417.1	arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1
g21089.t1	XP_003451946.1	arginine and glutamate-rich protein 1-B
g15581.t1	NP_998112.1	arginine/serine-rich coiled-coil 1

g12241.t1	NP_001072494.1	armadillo repeat containing 4
g5496.t1	CBN81746.1	Armadillo repeat-containing protein 4
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g49404.t1	AAT70730.1	aryl hydrocarbon receptor nuclear translocator 2b
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp148713_c0_seq28	ADO27751.1	ashwin
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g44064.t1	NP_001096091.1	asparaginase
g35221.t1	XP_003455027.1	astrotactin-2
alltrinity_comp348165_c0_seq1	XP_003229036.1	ATP synthase subunit epsilon, mitochondrial
g47512.t1	XP_003964652.1	ATPase family AAA domain-containing protein 5
g17331.t1	NP_001076298.2	ATPase family, AAA domain containing 5b
g55643.t1	XP_002661161.1	ATPase SWSAP1
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g40053.t1	Q8NFD5	AT-rich interactive domain-containing protein 1B
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g38946.t1	NP_001038332.1	ATR-interacting protein
g36066.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
alltrinity_comp155303_c0_seq1	NP_001188371.1	avidin
cdna_clc_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g55513.t1	XP_004559492.1	BAH and coiled-coil domain-containing protein 1
g39150.t1	XP_004069077.1	band 4.1-like protein 1
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g5279.t1	NP_001082932.1	Bardet-Biedl syndrome 10
g25932.t1	XP_003200724.1	barttin
g10579.t1	XP_001919171.2	b-cell receptor CD22
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g48402.t1	XP_004540833.1	bcl-2-modifying factor
g45968.t1	EBH16504.1	Beclin-1
g42453.t1	NP_001139063.1	BEN domain-containing protein 3
g36633.t1	XP_688820.1	BEN domain-containing protein 6
qifan_comp181481_c0_seq1	AGZ03658.1	beta-defensin 3
alltrinity_comp204523_c0_seq2	ACO13654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	AB118126.1	Bid
qifan_comp144751_c0_seq3	XP_004561102.1	bifunctional protein GImU
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPO11548.1	Bile salt-activated lipase
qifan_comp151466_c0_seq7	XP_005722886.1	biorientation of chromosomes in cell division protein 1-like 1
g3441.t1	XP_004072531.1	bone morphogenetic protein 1
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g53754.t1	NP_001189355.1	borealin-2
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	Q1RM09	Brain acid soluble protein 1
g58064.t1	PF13882.1	Bravo_FIGEY
g38526.t1	XP_003200939.1	BRCA1-A complex subunit RAP80
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g22655.t1	XP_002722467.1	bridging integrator 3
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g15466.t1	XP_003445949.1	BTB/POZ domain-containing protein KCTD16
g21533.t1	XP_004681378.1	BTB/POZ domain-containing protein KCTD8
g46247.t1	P43573	Bud site selection protein 27
g57258.t1	XP_002662035.2	butyrophilin protein 2
g23101.t1	XP_003198101.1	butyrophilin subfamily 1 member A1
g55575.t1	XP_684799.2	butyrophilin subfamily 3 member A1
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
skin_comp25756_c0_seq2	ACI67098.1	C1orf31
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g9268.t1	AAI34202.1	C3orf33
g42131.t1	ACI68208.1	C8orf40
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g31105.t1	XP_687082.5	cadherin-13
g25960.t1	NP_571156.2	cadherin-2
g42658.t1	XP_003441261.1	cadherin-23
g29295.t1	NP_571161.2	cadherin-4
g21103.t1	CBV36645.1	CagY protein
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g4410.t1	Q5XH95	Calcium-binding mitochondrial carrier protein SCaMC-2
g28520.t1	XP_004572880.1	calcium-binding mitochondrial carrier protein SCaMC-2-B
g3133.t1	XP_002939992.1	calcyphosin-2

g12580.t1	XP_004570145.1	calmodulin-lysine N-methyltransferase
g43097.t1	XP_004071058.1	cAMP-dependent protein kinase inhibitor gamma
g45866.t1	XP_003964885.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g5999.t1	NP_001003607.1	cannabinoid receptor interacting protein 1a
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g46853.t1	XP_002662526.2	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g15000.t1	XP_002664799.1	caseinolytic peptidase B protein
g16802.t1	NP_001014356.2	CASP8 associated protein 2
qifan_comp208517_c0_seq1	AAG45230.1	Caspy2
g4078.t1	B7ZC77	Catenin alpha-2
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g42472.t1	NP_001134846.1	CB050 protein
g42816.t1	XP_004553500.1	CB1 cannabinoid receptor-interacting protein 1
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g57386.t1	ABA54949.1	CC chemokine SCYA101
g57387.t1	AAT52141.1	CC chemokine SCYA107
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
g57385.t1	NP_001187124.1	CC chemokine SCYA112
alltrinity_comp188056_c1_seq1	AAZ99069.1	CC chemokine SCYA114B
g42257.t1	ABA54962.1	CC chemokine SCYA115
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
qifan_comp140824_c0_seq5	BAA31459.1	CC chemokine-1
qifan_comp200851_c0_seq1	XP_005806461.1	c-C motif chemokine 21
g40065.t1	XP_003446704.1	CCAAT/enhancer-binding protein zeta
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
g13242.t1	BAB39135.1	CD11-2
qifan_comp110584_c0_seq2	BAL63125.1	CD2 family receptor
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g27498.t1	XP_003459734.1	CD2-associated protein
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
yu_Contig21671	NP_001187165.1	CD79a
g7895.t1	ACM09142.1	CD9 antigen
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g37779.t1	NP_956899.1	CDGSH iron sulfur domain 1
g31360.t1	XP_003971997.1	CDGSH iron-sulfur domain-containing protein 2A
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g12467.t1	NP_001038757.2	cell death regulator aven
g15415.t1	NP_001076292.1	cell division cycle-associated protein 2
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g8477.t1	XP_001343147.2	cell surface A33 antigen
qifan_comp137693_c0_seq1	XP_003199235.2	cell surface glycoprotein CD200 receptor 1-A
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g26699.t1	XP_004558339.1	centriolar coiled-coil protein of 110 kDa
g47529.t1	XP_001919236.3	centriolin
g39933.t1	Q5BQN8	Centromere protein J
qifan_comp152646_c2_seq3	Q1LV50.1	Centromere protein P
yu_Contig14041	XP_002662101.1	centromere protein V
yu_Contig20690	XP_709181.2	centromere protein W
g39961.t1	XP_003986560.1	centrosomal protein 85kDa
g44104.t1	NP_001091860.1	centrosomal protein kizuna
g31847.t1	XP_003452178.1	centrosomal protein of 192 kDa
g41823.t1	P85001	Centrosomal protein of 290 kDa
g47048.t1	Q6PGZ0.2	Centrosomal protein of 63 kDa
g40569.t1	XP_003966222.1	centrosomal protein of 72 kDa
g51176.t1	XP_004915227.1	centrosome and spindle pole-associated protein 1
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g7067.t1	XP_004561489.1	cGMP-dependent 3',5'-cyclic phosphodiesterase
g10206.t1	NP_001098184.1	cGMP-dependent protein kinase I alpha
g5140.t1	XP_691883.3	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g4950.t1	1NJ9_L	Chain L, Cocaine Hydrolytic Antibody 15a10
g4046.t1	AAQ01587.1	chemokine

g22630.t1	NP_001107067.1	chemokine (C-C motif) ligand 20
qifan_comp131006_c0_seq1	BAF98240.1	chemokine CCL-C25a
g5292.t1	XP_002662920.1	chemokine factor
179_ccaa	ABD85495.1	chemokine-like factor superfamily 8
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
g10381.t1	XP_697956.3	chromodomain-helicase-DNA-binding protein 7
g53864.t1	XP_004067485.1	chromodomain-helicase-DNA-binding protein 9
yu_Contig906	NP_001006059.1	chromogranin-A
g44608.t1	XP_706416.1	chromosomal protein D1
g31205.t1	NP_001187296.1	chromosome transmission fidelity protein 8-like protein
g34457.t1	AAI09460.1	Citrate lyase beta
alltrinity_comp199220_c1_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g24666.t1	NP_001135017.1	CK068 protein
g820.t1	EMC77153.1	Class A basic helix-loop-helix protein 9
g22146.t1	XP_004573943.1	c-Maf-inducing protein
blue_Contig28037.1_3510	XP_005163595.1	CMRF35-like molecule 1
g24924.t1	NP_001007409.1	coiled-coil domain containing 114
g14512.t1	NP_001089412.1	coiled-coil domain containing 138
g31797.t1	NP_001070837.2	coiled-coil domain containing 151
g47640.t1	XP_004828389.1	coiled-coil domain containing 180
g36807.t1	NP_001188491.1	coiled-coil domain containing 57
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 103
g18804.t1	XP_693940.1	coiled-coil domain-containing protein 105
g38240.t1	NP_001038595.2	coiled-coil domain-containing protein 11
g24168.t1	XP_004544675.1	coiled-coil domain-containing protein 117
qifan_comp134578_c0_seq2	XP_005164664.1	coiled-coil domain-containing protein 136
yu_Contig12652	XP_005452005.1	coiled-coil domain-containing protein 138
g44898.t1	XP_004555447.1	coiled-coil domain-containing protein 148
g39539.t1	XP_002666418.2	coiled-coil domain-containing protein 15
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g28431.t1	XP_004544760.1	coiled-coil domain-containing protein 157
g34576.t1	XP_003924188.1	coiled-coil domain-containing protein 158
blue_Contig81311.1_8500	XP_005990428.1	coiled-coil domain-containing protein 160
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
g39833.t1	NP_001020655.2	coiled-coil domain-containing protein 167
qifan_comp145183_c0_seq5	XP_001341200.4	coiled-coil domain-containing protein 17
g27379.t1	XP_003995555.1	coiled-coil domain-containing protein 171
g51863.t1	Q0VFZ6	Coiled-coil domain-containing protein 173
g41418.t1	XP_001334826.3	coiled-coil domain-containing protein 178
g40377.t1	NP_001014330.1	coiled-coil domain-containing protein 24
g39226.t1	XP_004548660.1	coiled-coil domain-containing protein 30
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
yu_Contig3450	NP_001039310.1	coiled-coil domain-containing protein 34
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g17238.t1	XP_003198830.1	coiled-coil domain-containing protein 37
g43242.t1	NP_001258742.1	coiled-coil domain-containing protein 40
g33966.t1	A758T5	Coiled-coil domain-containing protein 42
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g32320.t1	XP_003217001.1	coiled-coil domain-containing protein 65
g3420.t1	Q1LX29.2	Coiled-coil domain-containing protein 79
g18730.t1	EMP35025.1	Coiled-coil domain-containing protein 81
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g40624.t1	XP_004763581.1	coiled-coil domain-containing protein 83
g45091.t1	NP_001108038.1	coiled-coil domain-containing protein 89
g52593.t1	XP_004543850.1	coiled-coil domain-containing protein 92
g47496.t1	XP_001333116.1	coiled-coil domain-containing protein 97
g43982.t1	XP_003200359.1	coiled-coil domain-containing protein C6orf97
qifan_comp167878_c0_seq1	NP_001076283.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 1
skin_comp42217_c0_seq1	NP_001187882.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 7
g34272.t1	NP_001187666.1	colipase
g10144.t1	PF01391.13	Collagen
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain
g48836.t1	XP_690914.3	collagen alpha-1(VIII) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g57795.t1	Q99MQ5	Collagen alpha-1(XXV) chain
g12877.t1	XP_002193897.1	collagen alpha-1(XXVII) chain B
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g1862.t1	P25940	Collagen alpha-3(V) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g22445.t1	CCK86746.1	collagen type XXII alpha 1 chain
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
g38402.t1	NP_956932.1	complement component C6
g32356.t1	XP_004076492.1	complement factor B
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g13094.t1	XP_002771495.1	conserved hypothetical protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8

59_ccaa	ADO28627.1	copper transport protein atox1
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g19513.t1	NP_954679.1	core-binding factor subunit beta
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticoliberin
g31007.t1	XP_003763660.1	craniofacial development protein 2
g57149.t1	XP_685448.3	CREB/ATF bZIP transcription factor
g39559.t1	AAH98871.1	Crfb12 protein
g14948.t1	XP_003978668.1	CST complex subunit CTC1
g24512.t1	AFU81783.1	CST complex subunit TEN1
g31376.t1	NP_001133730.1	CTO27 protein
g3522.t1	NP_956605.1	CTAGE family, member 5
g6067.t1	XP_002667358.2	C-type lectin lectoxin-Phi1
g44760.t1	XP_001340236.1	c-type mannose receptor 2
yu_k81:462410	NP_001158556.1	CX04A protein
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
151_ccaa	AAAX40737.1	CXCL14
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g14877.t1	XP_004555080.1	cyclic AMP-dependent transcription factor ATF-6 alpha
g6897.t1	NP_001229967.1	cyclic AMP-responsive element-binding protein 3-like protein 1
g37995.t1	XP_685111.1	cyclic GMP-AMP synthase
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
101_ccaa	AHH38127.1	Cyclin-dependent kinases regulatory subunit 1
g8342.t1	XP_001919224.1	cyclin-G-associated kinase
qifan_comp72166_c0_seq2	XP_005808049.1	cysteine and tyrosine-rich protein 1
g44200.t1	AAI62591.1	Cysteine rich transmembrane BMP regulator 1 (chordin like)
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
57_ccaa	ADO28717.1	cytochrome b-c1 complex subunit 9
qifan_comp69228_c0_seq1	NP_001108388.2	cytochrome c oxidase assembly factor 3, mitochondrial
76_ccaa	AHH42778.1	Cytochrome c oxidase assembly factor 4, mitochondrial
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
g57428.t1	XP_004078676.1	cytochrome oxidase assembly protein 1
g13589.t1	NP_001139981.1	Cytokine-like protein 1
g35568.t1	XP_697274.2	cytoskeleton-associated protein 2
g34150.t1	XP_004554984.1	cytosolic carboxypeptidase 6
g8392.t1	XP_692458.2	cytospin-A
g39425.t1	XP_690827.4	cytospin-B
qifan_comp121915_c0_seq1	XP_005167576.1	cytotoxic T-lymphocyte protein 4
yu_k56:2035505	NP_001187144.1	DAP10
g57036.t1	XP_004574349.1	dapper homolog 1
g12893.t1	XP_001340996.1	dapper homolog 3
98_ccaa	AHH38444.1	DAZ-associated protein 2
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g19818.t1	NP_001038671.1	DBH-like monoxygenase protein 1
g30928.t1	PF13358.1	DDE_3
g40936.t1	XP_003199045.1	death domain-containing protein 1
g51051.t1	NP_571647.1	death-associated protein 1
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g22472.t1	XP_003978398.1	DENN domain-containing protein 1C
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g16933.t1	XP_691450.4	DEP domain-containing protein 5
g23464.t1	XP_003197864.1	desmoglein-4
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
34_ccaa	ADO29348.1	det1- and ddb1-associated protein 1
g23643.t1	EMP37316.1	Dexamethasone-induced protein like protein
g51484.t1	XP_003201445.1	diacylglycerol kinase zeta
g53629.t1	ABI79462.1	diaphanous 2
g24133.t1	XP_004566573.1	dimethyladenosine transferase 1, mitochondrial
g43883.t1	XP_003442885.1	diphthine--ammonia ligase
g35636.t1	XP_003455577.1	disabled homolog 2-interacting protein
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g33668.t1	XP_003197865.1	disks large homolog 1
g57152.t1	XP_004658347.1	disks large homolog 2
g21565.t1	XP_003199970.1	disks large homolog 3
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g4250.t1	EMC90093.1	DNA damage-binding protein 1
skin_comp61275_c0_seq3	XP_005166228.1	DNA damage-inducible transcript 3 protein
g1983.t1	XP_004571720.1	DNA excision repair protein ERCC-6
g35938.t1	XP_002937585.2	DNA helicase B
g1065.t1	NP_001119860.1	DNA ligase 1
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g38267.t1	Q15054	DNA polymerase delta subunit 3
g50305.t1	XP_686065.4	DNA polymerase sigma
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g17934.t1	XP_003453064.1	DNA polymerase zeta catalytic subunit
g26279.t1	XP_002663552.1	DNA repair protein SWI5

g1710.t1	XP_003965695.1	DNA repair protein XRCC1
blue_contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g52695.t1	XP_001332164.1	DNA-directed RNA polymerase I subunit RPA43
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g54127.t1	XP_001343204.1	DNA-directed RNA polymerase II subunit GRINL1A
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2839.t1	WP_020240972.1	DNA-directed RNA polymerase subunit beta
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
88_ccaa	AHH39735.1	Dolichol phosphate-mannose biosynthesis regulatory protein
378_ccaa	ADO28725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g52136.t1	O57460	Dorsal-ventral patterning tolloid-like protein 1
g39484.t1	EOB06973.1	Double C2-like domain-containing protein beta
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g51287.t1	Q7ZW47.2	Double-stranded RNA-binding protein Staufen homolog 2
alltrinity_comp204129_c0_seq12	XP_006630963.1	DPY30 domain-containing protein 1
g24667.t1	NP_001133681.1	dr1-associated corepressor
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g51855.t1	PF05300.6	DUF737
g26446.t1	PF05673.8	DUF815
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
g39402.t1	XP_003978902.1	dynein heavy chain 9, axonemal
yu_contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g16671.t1	ACN10102.1	Dysbindin
g39031.t1	NP_775381.1	dystroglycan
g56136.t1	AAI62536.1	Dzip1 protein
g24915.t1	ELW61602.1	E3 ubiquitin/ISG15 ligase TRIM25
alltrinity_comp198963_c0_seq7	XP_005165431.1	E3 ubiquitin-protein ligase ARIH2
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g39054.t1	XP_003457758.1	E3 ubiquitin-protein ligase RNF123
g47466.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g32377.t1	XP_002662297.1	E3 ubiquitin-protein ligase TRIM21
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g52035.t1	F1RCR6	E3 ubiquitin-protein ligase TRIP12
g49877.t1	NP_957164.1	E3 ubiquitin-protein ligase znrf1
alltrinity_comp206249_c0_seq2	XP_684807.6	E3 ubiquitin-protein ligase ZNRF3
g33278.t1	ABD65576.1	ecto-ADP-ribosyltransferase 5
g33512.t1	XP_695138.4	ectodysplasin-A receptor-associated adapter protein
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26237.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
yu_contig27955	XP_006633449.1	EF-hand calcium-binding domain-containing protein 10
g19209.t1	NP_001017812.1	EF-hand calcium-binding domain-containing protein 11
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp73008_c0_seq1	XP_003199438.1	EKC/KEOPS complex subunit LAGE3
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g11258.t1	CBN81153.1	Ellis-van Creveld syndrome protein
yu_contig2463	NP_001073536.1	elongator complex protein 5
g37069.t1	NP_001005397.1	emopamil-binding protein
g9587.t1	XP_001341991.2	endothelin-converting enzyme 2
g27683.t1	XP_001922506.1	ensconsin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g10697.t1	ABB52640.1	envelope polyprotein
g4843.t1	YP_443923.1	envelope protein
g10915.t1	XP_002660956.2	enzymatic polyprotein
g38391.t1	NP_990515.1	ephrin-A5
g57664.t1	NP_001187350.1	epimerase family protein sdr39u1
g26776.t1	EGV96086.1	Epithelial cell transforming sequence 2 oncogene
skin_comp60129_c0_seq2	XP_005168018.1	epithelial-stromal interaction protein 1
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g15566.t1	NP_956039.2	ESF1 homolog
g12959.t1	NP_001187003.1	estrogen receptor
g4553.t1	NP_001134488.1	Eukaryotic translation elongation factor 1 epsilon-1
g32281.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g17153.t1	NP_001104627.1	Ewing tumor-associated antigen 1
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g6236.t1	NP_001134258.1	FAM100A

g14688.t1	NP_001187552.1	fam136a
g46879.t1	NP_001187587.1	fam183a
g51815.t1	Q9NPI8	Fanconi anemia group F protein
g36769.t1	XP_001341227.3	Fanconi anemia-associated protein of 100 kDa
g34357.t1	PF02106.10	Fanconi_C
g56461.t1	NP_001070215.1	F-box only protein 36
qifan_comp143264_c0_seq13	XP_006802447.1	F-box only protein 47
g6000.t1	ADO28378.1	f-box only protein 48
g28094.t1	NP_001038863.1	F-box protein 36b
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
g15699.t1	XP_692449.3	f-box/WD repeat-containing protein 10
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g25910.t1	AAO74862.1	fetuin long form
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g42085.t1	NP_001135347.1	Fibroblast growth factor-binding protein 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
yu_Contig6357	XP_006632574.1	fibrous sheath-interacting protein 1
g58004.t1	YP_123587.1	FimV protein
qifan_comp121580_c0_seq1	P68512.1	Fish-egg lectin
g42043.t1	ACI69960.1	FLJ25371
g40209.t1	XP_004575319.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1
g39710.t1	A1X158	Foot protein 1 variant 1
g54810.t1	ACJ36222.1	forkhead box P1b
g5448.t1	XP_003428264.1	forkhead box protein N3
g16594.t1	XP_694795.5	formin 2
g27349.t1	NP_957257.1	fumarate hydratase, mitochondrial
g49410.t1	XP_004568745.1	fumarylacetoacetase
g39605.t1	PF07078.6	FYTT
g39700.t1	NP_001093450.1	FYVE, RhoGEF and PH domain-containing protein 6
blue_Contig67003.1_3908	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g34959.t1	NP_001182171.1	g6f
g13782.t1	XP_002133577.1	GA22973
g17428.t1	NP_001070918.1	GA-binding protein subunit beta-1
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g30440.t1	CBN80957.1	Gag-protease
qifan_comp52895_c0_seq1	XP_005163007.1	galaxin
g28571.t1	XP_004591242.1	gametogenetin-binding protein 2
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36640.t1	NP_001140110.1	Gap junction beta-5 protein
g6093.t1	P29007	Gastrin-releasing peptide
g52458.t1	PF07699.8	GCC2_GCC3
g38767.t1	ADE73874.1	GCHV-induced protein 1
g51969.t1	Q08CA1	GDP-D-glucose phosphorylase 1
g16703.t1	NP_001187625.1	gem-associated protein 7
g25671.t1	XP_001921214.2	geminin coiled-coil domain-containing protein 1
g17320.t1	XP_005001697.1	general transcription factor II-I repeat domain-containing protein 2A
g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g2146.t1	CBN81477.1	GH3 domain-containing protein
g22982.t1	ADZ76344.1	Gig2-like protein CauO
g31274.t1	XP_004570133.1	girdin
g18854.t1	XP_002060930.1	GK12693
g5957.t1	NP_956869.1	GLIPR1-like protein 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
g15827.t1	XP_685683.4	glutamate receptor ionotropic, delta-1
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g41195.t1	XP_004556497.1	glutamine-rich protein 2
skin_comp42119_c0_seq1	NP_001134169.1	glutaredoxin-like protein YDR286C
g31041.t1	XP_003200471.1	glycerophosphodiester phosphodiesterase domain-containing protein 5
g43899.t1	EGW05055.1	Glycoprotein hormones alpha chain
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g17797.t1	XP_004072582.1	glycosyltransferase 1 domain-containing protein 1
g27663.t1	AAK69693.1	glypican Knypek
g27664.t1	XP_688014.3	glypican-3
g52180.t1	P78333	Glypican-5
g35557.t1	ELW49745.1	Golgi pH regulator
g31822.t1	NP_001188464.1	GON-4-like protein
g37533.t1	NP_001118051.1	gonadal-soma derived growth factor
g3034.t1	YP_302666.1	gp140
g27563.t1	XP_003199883.1	GPI ethanolamine phosphate transferase 2
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
g47756.t1	XP_003796841.1	GRAM domain-containing protein 1B

yu_k62:1649929	NP_001094418.2	granulito
alltrinity_comp181918_c0_seq4	AHG99397.1	group III secreted phospholipase A2-3A2
g55648.t1	XP_003446469.1	growth arrest and DNA damage-inducible proteins-interacting protein 1
g39365.t1	NP_001032461.1	grpE protein homolog 1, mitochondrial
g18277.t1	XP_001344119.1	grpE protein homolog 2, mitochondrial
g24953.t1	ACI33817.1	GTPase IMAP family member 4
g1595.t1	XP_002661284.1	GTPase IMAP family member 7
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g2397.t1	NP_001002343.1	guanylate binding protein 1
g26899.t1	EHB09859.1	Guanylate cyclase soluble subunit beta-2
454_FWM5MQA01CCEIS	AAA93301.1	HASI
g5199.t1	NP_001007439.1	HAUS augmin-like complex subunit 5
g29914.t1	ELW69465.1	HBS1-like protein
g50196.t1	NP_001070204.2	HBV PreS1-transactivated protein 3
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g15030.t1	EAX01109.1	hCG1990170
g22011.t1	EAW51470.1	hCG2042692
g34662.t1	ABD77534.1	HDCME31P
g45611.t1	XP_003450103.1	HEAT repeat-containing protein 2
g53824.t1	NP_957183.1	HEAT repeat-containing protein 3
g28544.t1	AAH33020.1	Heat shock transcription factor family member 5
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g17651.t1	XP_004065874.1	heparan-alpha-glucosaminide N-acetyltransferase
g40525.t1	NP_001188323.1	hepcidin
g37952.t1	XP_004077438.1	Hermansky-Pudlak syndrome 6
alltrinity_comp190625_c1_seq6	XP_005457724.1	HERV-H LTR-associating protein 1
g20739.t1	ACO14339.1	HERV-H LTR-associating protein 2
g30955.t1	XP_003441680.1	HHIP-like 1
g51113.t1	CBN81941.1	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A
skin_comp69465_c0_seq1	NP_001007312.1	high mobility group nucleosome-binding domain-containing protein 3
g25548.t1	NP_001189423.1	highly divergent homeobox
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g13362.t1	NP_956069.1	histone deacetylase 10
g19872.t1	NP_001002171.1	histone deacetylase 11
g42912.t1	P06350	Histone H1
g6844.t1	NP_001167383.1	histone-lysine N-methyltransferase PRDM9
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g32570.t1	P53564	Homeobox protein cut-like 1
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g10063.t1	NP_001107887.2	hydrocephalus inducing
g12365.t1	XP_001920196.2	hydrolethalus syndrome protein 1
g32530.t1	ACI69245.1	hydroxypyruvate isomerase
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g19491.t1	EOB02515.1	hypothetical protein AnapI_05179
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g16051.t1	XP_001895429.1	hypothetical protein Bm1_19870
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g5480.t1	XP_002609682.1	hypothetical protein BRAFLDRAFT_123581
g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g39363.t1	XP_002603613.1	hypothetical protein BRAFLDRAFT_126923
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g11401.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g51281.t1	XP_002612858.1	hypothetical protein BRAFLDRAFT_67192
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684

g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g34989.t1	EPH53845.1	hypothetical protein CAOG_08411
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g7223.t1	ELT96916.1	hypothetical protein CAPTEDRAFT_203287
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_15852	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654
g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g21052.t1	XP_002614835.1	hypothetical protein CLUG_04850
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DIPCUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
YY_jcf4847460	EFN69835.1	hypothetical protein EAG_11453
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
blue_Contig40573.1_5956	EFN90133.1	hypothetical protein EAI_09648
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g718.t1	EHH19738.1	hypothetical protein EGK_02455
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g10092.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
pac_pacbio_412375902_2/3_3533	EH804114.1	hypothetical protein GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein lscW_ISCW012389
g26906.t1	EHJ64573.1	hypothetical protein KGM_05799

g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein UJ0641
g33241.t1	NP_965518.1	hypothetical protein LJ1711
g8456.t1	XP_001922778.2	hypothetical protein LOC100000228
g20457.t1	XP_001340940.4	hypothetical protein LOC100000814
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g29531.t1	XP_003199650.1	hypothetical protein LOC100034383
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10596.t1	XP_003200637.1	hypothetical protein LOC100034587
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g26912.t1	XP_003200579.1	hypothetical protein LOC100149834
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g12971.t1	XP_001919813.2	hypothetical protein LOC100150366
g38934.t1	XP_001920208.3	hypothetical protein LOC100150803
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10383.t1	XP_001922042.3	hypothetical protein LOC100151502
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g17657.t1	XP_002662059.2	hypothetical protein LOC100318173
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g49522.t1	XP_002663889.1	hypothetical protein LOC100329274
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g34720.t1	XP_002664903.1	hypothetical protein LOC100329570
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g28608.t1	XP_002667279.1	hypothetical protein LOC100330441
g21958.t1	XP_002664136.2	hypothetical protein LOC100330539
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g17427.t1	XP_002660724.2	hypothetical protein LOC100330837
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g24861.t1	XP_002665640.2	hypothetical protein LOC100331092
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g25655.t1	XP_002664349.2	hypothetical protein LOC100331351
g45875.t1	XP_002663377.2	hypothetical protein LOC100331483
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g57841.t1	XP_002662026.2	hypothetical protein LOC100333032
g11990.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g36969.t1	XP_002914422.1	hypothetical protein LOC100466797
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g3116.t1	XP_003199773.1	hypothetical protein LOC100535494
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g29556.t1	XP_003197780.1	hypothetical protein LOC100535525
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g18405.t1	XP_003198084.1	hypothetical protein LOC100535628
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g28564.t1	XP_003198618.1	hypothetical protein LOC100535945
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957

g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g18154.t1	XP_003200310.1	hypothetical protein LOC100536514
g23318.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48486.t1	XP_003199820.1	hypothetical protein LOC100537710
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g12081.t1	XP_003198218.1	hypothetical protein LOC100538074
g33476.t1	XP_003199572.1	hypothetical protein LOC100538095
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
alltrinity_comp381973_c0_seq1	XP_003230335.1	hypothetical protein LOC100551644
pac_pacbio_410784309_1/64_1917	XP_003390896.1	hypothetical protein LOC100636977
yu_Contig1642	XP_003390502.1	hypothetical protein LOC100637606
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135
g43525.t1	XP_003410430.1	hypothetical protein LOC100656298
g48860.t1	XP_003430776.1	hypothetical protein LOC100681616
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g32555.t1	XP_003444321.1	hypothetical protein LOC100691449
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g49728.t1	XP_003442423.1	hypothetical protein LOC100693951
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g14329.t1	XP_003449587.1	hypothetical protein LOC100697617
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g30380.t1	XP_003457430.1	hypothetical protein LOC100703482
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g35021.t1	XP_003455387.1	hypothetical protein LOC100705264
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g11123.t1	XP_003441973.1	hypothetical protein LOC100707794
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g20224.t1	XP_003455887.1	hypothetical protein LOC100708291
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g31218.t1	XP_003459981.1	hypothetical protein LOC100709753
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g56468.t1	XP_003445476.1	hypothetical protein LOC100711378
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g34937.t1	XP_002664857.1	hypothetical protein LOC323246

g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g11708.t1	XP_002663454.2	hypothetical protein LOC450004
g10034.t1	XP_686205.5	hypothetical protein LOC553348
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g31496.t1	XP_683935.3	hypothetical protein LOC556113
g32133.t1	XP_703812.2	hypothetical protein LOC556653
g30513.t1	XP_685048.4	hypothetical protein LOC557000
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g19746.t1	XP_686125.4	hypothetical protein LOC557879
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g47511.t1	XP_003198157.1	hypothetical protein LOC560591
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g20117.t1	XP_690688.2	hypothetical protein LOC562197
g54587.t1	XP_691803.3	hypothetical protein LOC563347
g40833.t1	XP_692201.3	hypothetical protein LOC563749
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g30653.t1	XP_693095.2	hypothetical protein LOC564674
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g21982.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g41440.t1	XP_003200916.1	hypothetical protein LOC566704
g25754.t1	XP_695219.4	hypothetical protein LOC566840
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g53599.t1	XP_697757.3	hypothetical protein LOC569287
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g26260.t1	XP_698239.5	hypothetical protein LOC569742
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g51226.t1	XP_698369.3	hypothetical protein LOC569866
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g34835.t1	XP_698030.5	hypothetical protein LOC573741
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g38954.t1	XP_001332567.3	hypothetical protein LOC792924
g50441.t1	XP_001333061.3	hypothetical protein LOC793321
g57140.t1	XP_001333219.1	hypothetical protein LOC793455
g31759.t1	XP_001921853.2	hypothetical protein LOC794266
g35106.t1	XP_003199182.1	hypothetical protein LOC794533
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g49887.t1	XP_003201482.1	hypothetical protein LOC796632
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g5112.t1	XP_001338418.3	hypothetical protein LOC797969
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g39084.t1	XP_001339544.1	hypothetical protein LOC799157
g31791.t1	XP_001921144.1	hypothetical protein LOC799340
pac_pacbio_411861709_2/3_6178	ESP02324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
blue_Contig76209.1_4618	EPS57129.1	hypothetical protein M569_17693
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g57576.t1	ELR61013.1	hypothetical protein M91_09415
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
qifan_comp141170_c0_seq7	AAI09414.1	Hypothetical protein MGC35261
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g13116
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105

g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
blue_Contig24375.1_15225	EFB19264.1	hypothetical protein PANDA_012508
g42457.t1	YP_660931.1	hypothetical protein Pat1_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PscPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
pac_pacbio_411898645_5/245_1680	YP_251955.1	hypothetical protein SH0040
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_409695269_4/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390
pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g8045.t1	EMP41437.1	hypothetical protein UY3_01303
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_412340017_1/21_3137	ENN76582.1	hypothetical protein YQE_07031
pac_pacbio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
pac_pacbio_411316867_2/10_1359	CDJ51805.1	hypothetical protein_2_n
g42534.t1	PF06140.8	lfi-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g48544.t1	PF02372.10	IL15
cdna_aby_k51:1149493	AAZ43090.1	IL-15 protein
qifan_comp115428_c0_seq2	AAM52337.1	IL-6 subfamily cytokine M17
g48990.t1	NP_001165325.1	IL-6 subfamily member ciliary neurotrophic factor
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g5910.t1	AAH92165.1	Im:7147241
g16935.t1	P02976	Immunoglobulin G-binding protein A
g39116.t1	XP_003973084.1	immunoglobulin superfamily member 21
g53357.t1	Q7Z5P9	mucin 19
g31572.t1	XP_004553026.1	inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g13672.t1	PF04156.9	IncA
g34965.t1	NP_991199.1	INO80 complex subunit E
g16628.t1	NP_001017872.1	inositol 1,4,5-trisphosphate receptor-interacting protein
g13399.t1	XP_683287.5	inositol 1,4,5-trisphosphate receptor-interacting protein-like 2
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g17273.t1	XP_002665435.2	inositol-trisphosphate 3-kinase C
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g1340.t1	NP_001187175.1	intelectin 1
g45588.t1	Q00238	Intercellular adhesion molecule 1
g35958.t1	NP_001187263.1	interferon gamma
g40560.t1	NP_001184131.1	interferon lambda receptor 1
g50806.t1	NP_001239280.1	interferon regulatory factor 2
g2126.t1	NP_001187103.1	interferon-induced GTP-binding protein Mx1
g39506.t1	XP_003455952.1	interferon-induced protein 44
g35959.t1	NP_001018635.1	interleukin 26

alltrinity_comp199313_c1_seq4	CAJ75795.1	interleukin 4 receptor alpha
qifan_comp139105_c0_seq2	XP_005164266.1	interleukin 4 receptor, tandem duplicate 1
g38699.t1	P43303	Interleukin-1 receptor type 2, membrane form
g4934.t1	XP_004565503.1	interleukin-17 receptor D
g21698.t1	BAI82584.1	interleukin-17N
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
yu_Contig11390	XP_005742066.1	interleukin-5 receptor subunit alpha
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
yu_Contig4862	AAAN41455.1	interleukin-8 variant 3
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein USO1
g24054.t1	P07476	Involucrin
g30719.t1	EMP37633.1	IQ domain-containing protein G
g23515.t1	NP_001008622.1	IQ motif containing B1
g21009.t1	NP_001038594.1	IQ motif-containing protein H
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g56644.t1	XP_005027243.1	kelch-like protein 10
g26089.t1	XP_003971629.1	kelch-like protein 29
g54664.t1	XP_004563549.1	kelch-like protein 33
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
ncbimrna_375790490	XP_005164234.1	keratin-associated protein 9-2
g11313.t1	XP_004541321.1	keratinocyte-associated protein 2
g43420.t1	NP_001070758.1	KH domain-containing, RNA-binding, signal transduction-associated protein 2
g26566.t1	AAW34265.1	KIAA0650
g51567.t1	PF13879.1	KIAA1430
g15064.t1	XP_003975238.1	kinase suppressor of Ras 2
g28597.t1	NP_001004644.1	kinesin-associated protein 3
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
g44069.t1	XP_690215.3	kinesin-like protein KIF26A
yu_Contig10597	XP_005477555.1	kinesin-like protein KIF6
g45217.t1	NP_001187598.1	kinetochore protein Spc25
cdna_clc_556451	XP_001923648.1	kinetochore-associated protein DSN1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
g34502.t1	NP_001005981.1	kininogen 1
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g55167.t1	AFM08414.1	kisspeptin 2
g40408.t1	XP_003969410.1	krev interaction trapped protein 1
g2386.t1	XP_004623941.1	KRR1 small subunit processome component
g26223.t1	XP_004554834.1	kyphoscoliosis peptidase
blue_Contig30678.1_11264	AAL35359.2	lambda-recombinase
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g15159.t1	NP_001117921.1	latent transforming growth factor binding protein
g1395.t1	XP_690670.4	latent-transforming growth factor beta-binding protein 1
g15807.t1	XP_002733056.1	latrophilin 2
g29933.t1	XP_001919911.1	Lebercilin
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
skin_comp77918_c0_seq1	XP_005156212.1	lethal(3)malignant brain tumor-like protein 2
cdna_clc_375670	NP_001108187.1	leucine zipper protein 2
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g39608.t1	XP_004564019.1	leucine-rich repeat and calponin homology domain-containing protein 2
g30718.t1	XP_003200463.1	leucine-rich repeat and calponin homology domain-containing protein 3
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g15059.t1	B2GUE2	Leucine-rich repeat flightless-interacting protein 2
g48184.t1	XP_002667635.1	leucine-rich repeat neuronal protein 4
g26419.t1	XP_692159.4	leucine-rich repeat transmembrane neuronal protein 4
g10708.t1	XP_698357.3	leucine-rich repeat-containing protein 14
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g46882.t1	XP_001333128.4	leucine-rich repeat-containing protein 19
g24042.t1	XP_002663924.1	leucine-rich repeat-containing protein 45
g13063.t1	XP_004713085.1	leucine-rich repeat-containing protein 48
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g58077.t1	NP_001018537.1	leucine-rich repeat-containing protein C10orf11
g24646.t1	XP_001923860.1	leukemia NUP98 fusion partner 1
g28311.t1	NP_001187136.1	leukocyte immune-type receptor 3
g54732.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g28347.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a

g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g42072.t1	XP_003970702.1	LIM domain-binding protein 2
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
g10844.t1	XP_002663915.2	lipase maturation factor 1
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g13815.t1	AAI34196.1	LOC100148397 protein
g8585.t1	AAH80048.1	LOC446287 protein
g56882.t1	AAH87502.1	LOC496084 protein
g10211.t1	AAH91901.1	LOC553343 protein
g45285.t1	AAH95029.1	LOC553421 protein
g33965.t1	AAH95280.1	LOC553445 protein
g22295.t1	AAH90521.1	LOC553502 protein
g16114.t1	AAI34108.1	LOC557892 protein
g26797.t1	AAI33141.1	LOC561115 protein
qifan_comp228097_c0_seq1	AAI25887.1	LOC565118 protein
g24000.t1	AAI39667.1	LOC569134 protein
g48967.t1	AAI42880.1	LOC795887 protein
g51868.t1	A4IHY6	Low-density lipoprotein receptor class A domain-containing protein 3
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
pac_pacbio_410283153_1/0_1305	XP_003976043.1	low-density lipoprotein receptor-related protein 5
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060	LWamide I
g45470.t1	Q25060.1	LWamide neuropeptides
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g31907.t1	XP_003966355.1	lymphocyte activation gene 3 protein
g18456.t1	XP_002662830.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
g200.t1	AFS18273.1	lymphoid-restricted membrane protein maternal long form
g7407.t1	XP_003976726.1	lymphokine-activated killer T-cell-originated protein kinase
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
qifan_comp183686_c0_seq1	NP_001157713.1	LYR motif-containing protein 4
cdna_clc_280752	NP_001187277.1	lyr motif-containing protein 4a
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g20789.t1	XP_004909056.1	lysosomal-trafficking regulator
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1
g37317.t1	XP_004065665.1	lysozyme C, milk isozyme
qifan_comp149545_c1_seq22	XP_005167283.1	macrophage colony-stimulating factor 2
alltrinity_comp205007_c1_seq1	CAQ42963.1	macrophage colony-stimulating factor-a
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g57759.t1	NP_001158857.1	Macrosialin
g17708.t1	ACI67278.1	Magnesium-dependent phosphatase 1
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
yu_k63:1574095	XP_005168547.1	MANSC domain-containing protein 1
g51530.t1	A6NH57	MANSC domain-containing protein 4
g44223.t1	NP_001243108.1	MAP3K12-binding inhibitory protein 1
yu_Contig803	NP_001133522.1	MAP7 domain-containing protein 1
g46105.t1	XP_004075563.1	mastermind-like protein 2
g15185.t1	XP_002735800.1	matriptase
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g6285.t1	EDL08828.1	mCG145114
g18370.t1	EDL20200.1	mCG145728
g25698.t1	XP_003441769.1	MDS1 and EVI1 complex locus protein EVI1
g40659.t1	PF05669.7	Med31
g57145.t1	NP_001187819.1	mediator of RNA polymerase II transcription subunit 11
g32117.t1	NP_001188029.1	mediator of RNA polymerase II transcription subunit 18
g35810.t1	NP_001187889.1	meiosis expressed gene 1 protein
g50167.t1	XP_004563104.1	meiosis inhibitor protein 1
g53157.t1	NP_001153485.1	meiosis-specific protein MEI4
qifan_comp126276_c0_seq3	XP_001342923.4	melanocortin-2 receptor aCcessory protein 2A
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g32272.t1	XP_692662.4	membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
g43218.t1	XP_003198596.1	membrane-spanning 4-domains subfamily A member 4A
g43215.t1	NP_001017670.1	membrane-spanning 4-domains, subfamily A, member 17A
g29968.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentrin

g32129.t1	NP_694513.1	metal regulatory transcription factor 1
g35328.t1	XP_003444447.1	metalloprotease TIK11
g11865.t1	XP_004555069.1	metalloprotease TIK12
g6176.t1	ACO09891.1	Methionine aminopeptidase 1
g23527.t1	XP_0034446635.1	methyl-CpG-binding domain protein 5
g1528.t1	XP_003218591.1	microsomal triglyceride transfer protein large subunit
g41437.t1	EKD17700.1	microtubule associated protein
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
yu_Contig27128	NP_001265774.1	microtubule-associated protein 9
g46905.t1	XP_001341305.3	microtubule-associated serine/threonine-protein kinase 2
alltrinity_comp203544_c0_seq1	XP_006627139.1	microtubule-associated serine/threonine-protein kinase 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g48985.t1	ACS34897.1	mineralocorticoid receptor
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g44673.t1	NP_001187779.1	mitochondrial 28S ribosomal protein s21
g25205.t1	ACI66099.1	Mitochondrial 28S ribosomal protein S28
g57675.t1	NP_001187579.1	mitochondrial 39S ribosomal protein l15
g28704.t1	NP_001187321.1	mitochondrial 39S ribosomal protein l38
yu_Contig1503	CAX48608.1	mitochondrial antiviral signaling
yu_Contig23459	XP_006801450.1	mitochondrial assembly of ribosomal large subunit protein 1
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g35427.t1	XP_003455619.1	mitochondrial fission process protein 1
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g23383.t1	ACI68782.1	Mitochondrial ribosomal protein S23
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g26119.t1	XP_004274013.1	mitogen-activated protein kinase-binding protein 1
g31422.t1	NP_001003568.1	mitotic-spindle organizing protein 2
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g10930.t1	XP_696283.3	MLL1/MLL complex subunit KIAA1267
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
pac_pacbio_410689841_1/34_1696	EMP27574.1	Mps one binder kinase activator-like 2A
g30506.t1	NP_957030.1	MRG/MORF4L binding protein
g9882.t1	PF09812.4	MRP-L28
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g17478.t1	XP_004919238.1	mucin-2
g38098.t1	XP_690904.4	mucin-5AC
g16954.t1	XP_004547389.1	multicilin
g28794.t1	XP_694616.4	multimerin 2
g52218.t1	O75095	Multiple epidermal growth factor-like domains protein 6
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g19001.t1	XP_001345218.3	MYCBP-associated protein
alltrinity_comp197680_c0_seq3	XP_005170136.1	myelin basic protein
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g55537.t1	XP_003961609.1	myosin phosphatase Rho-interacting protein
g18721.t1	XP_002940277.2	myosin-11
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g48593.t1	XP_003440536.1	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylglactosaminyltransferase 1
g19784.t1	XP_003459946.1	NACHT, LRR and PYD domains-containing protein 12
g12154.t1	XP_002661052.2	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g1813.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
g15018.t1	ADO28298.1	n-acylneuraminase cytidyltransferase
skin_comp65695_c0_seq1	XP_003200818.1	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1
g40064.t1	XP_004568510.1	NADH dehydrogenase [ubiquinone] complex I, assembly factor 7
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g31483.t1	XP_682740.4	nasal embryonic luteinizing hormone-releasing hormone factor
g39069.t1	ADO27823.1	natterin
42_ccaa	ADO29084.1	nef1
g1139.t1	XP_001335854.3	neoverrucotoxin subunit alpha
g24549.t1	NP_001035777.1	nephrin
g53490.t1	XP_003497875.1	nephrocystin-1
g34035.t1	XP_003199124.1	nephrocystin-4

g39135.t1	BAG80562.1	neucrin
g40622.t1	AAT02665.1	neural friend of GATA-A
g52807.t1	NP_001002507.1	neuritin
g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_aby_k21:3524473	ACJ64069.1	neuromedin s
alltrinity_comp173394_c1_seq1	XP_005160570.1	neuromedin-U
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g24956.t1	NP_899189.2	neuropeptide FF-amide peptidellike
g41154.t1	XP_004079892.1	neuropeptide-like protein C4orf48
g40728.t1	XP_003198998.1	neurosecretory protein VGF
alltrinity_comp138035_c0_seq2	XP_005159201.1	neurotensin/neuromedin N
g49463.t1	AEX01238.1	neurotrophic tyrosine kinase receptor type 3b
g48879.t1	ACI33155.1	NHL repeat-containing protein 3
g41002.t1	XP_004573454.1	NHS-like protein 2
g56736.t1	ADV31326.1	NILT3
g38957.t1	XP_002666276.2	nischarin
g25414.t1	NP_001137373.1	NMDA receptor synaptonuclear signaling and neuronal migration factor
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
g39951.t1	NP_001133241.1	Nogo-B receptor
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein
g21189.t1	NP_001187578.1	non-homologous end-joining factor 1
g32476.t1	NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
qifan_comp129372_c0_seq2	BAC45234.1	novel immune type receptor
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g22948.t1	CAI21354.1	novel protein
g34327.t1	CAQ14221.1	novel protein containing a WW domain and PDZ domains
g39052.t1	CAQ14853.1	novel protein similar to human ring finger protein 123
yu_k65:1467070	CAE17634.2	novel protein similar to human telomerase-associated protein 1
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g22329.t1	CAH68844.1	novel protein similar to lectins
g7022.t1	CAK04233.1	novel protein similar to mouse and human Rho guanine nucleotide exchange factor 17
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g48551.t1	NP_001158814.1	nuclear cap-binding protein subunit 1
g25772.t1	XP_004557062.1	nuclear factor 1 A-type
g32636.t1	XP_004566846.1	nuclear factor of activated T-cells, cytoplasmic 1
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g39520.t1	NP_001018302.1	nuclear pore complex protein Nup88
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g35961.t1	NP_001038285.1	nuclear protein MDM1
g36320.t1	NP_001002613.1	nuclear receptor-binding factor 2
g47822.t1	XP_003449882.1	nuclear receptor-interacting protein 1
g16750.t1	NP_001116987.1	nuclear receptor-interacting protein 2
g31202.t1	XP_003455431.1	nuclear receptor-interacting protein 3
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g22043.t1	XP_002664363.2	nucleolin 2
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g22326.t1	AAH83518.1	Ofd1 protein
g31036.t1	NP_001020356.1	olfactory marker protein a
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g5307.t1	EMP35508.1	Oral-facial-digital syndrome 1 protein
g22847.t1	ABD75623.1	orf1ab polyprotein
pac_pacbio_411116759_1/53_4899	BAE46428.1	ORF1-encoded protein
g11628.t1	NP_997836.1	origin recognition complex subunit 6
g45753.t1	NP_001239288.1	osteopetrosis-associated transmembrane protein 1
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40610.t1	Q4KMM3	Oxidation resistance protein 1
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
alltrinity_comp198007_c1_seq1	XP_001335873.1	oxidoreductase-like domain-containing protein 1
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g29706.t1	AAH56084.1	P42pop protein
g24665.t1	ABW84004.1	p65 transcription factor
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g40132.t1	XP_003200749.1	palladin
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor

g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g41819.t1	P15743	Parathyroid hormone
g16363.t1	XP_004084142.1	parathyroid hormone-related protein
g45128.t1	XP_005016951.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g22669.t1	XP_003199198.1	patched domain-containing protein 2
qifan_comp141489_c0_seq6	XP_003457707.1	PC-esterase domain-containing protein 1A
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g47484.t1	ELK11628.1	Pentatricopeptide repeat-containing protein 1
g57646.t1	XP_694358.2	pentraxin-related protein PTX3
g11064.t1	YP_001107629.1	PE-PGRS family protein
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g26249.t1	NP_957397.1	peptidyl-prolyl cis-trans isomerase CWC27
g27475.t1	BAJ07835.1	perforin 1
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g45432.t1	XP_004877096.1	peripheral plasma membrane protein CASK
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g40027.t1	XP_004083366.1	peroxisomal targeting signal 2 receptor
blue_Contig79241.1_7555	XP_003199944.2	peroxisome proliferator-activated receptor gamma, coactivator 1 beta
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g27889.t1	XP_685305.1	PH and SEC7 domain-containing protein 2
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
g11009.t1	XP_004080431.1	phenylethanolamine N-methyltransferase
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g10840.t1	NP_001187936.1	phosphatidylethanolamine N-methyltransferase
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4
g40666.t1	NP_956006.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit P
g40625.t1	Q7M6Y3	Phosphatidylinositol-binding clathrin assembly protein
g3603.t1	XP_002799476.1	phosphatidylserine synthase 2
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g48193.t1	ACO09392.1	Phospholemman
g5029.t1	NP_001265769.1	phospholipase C-beta 2
g36048.t1	XP_004575539.1	phosphomannomutase 1
g48767.t1	XP_003200660.1	phosphoprotein associated with glycosphingolipid-enriched microdomains 1
g43198.t1	XP_004539327.1	phosphoribosyl pyrophosphate synthase-associated protein 1
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g54218.t1	XP_696355.4	piezo-type mechanosensitive ion channel component 1
pac_pacbio_412051358_1/14_5243	XP_004083158.1	piggyBac transposable element-derived protein 2
alltrinity_comp204307_c0_seq7	XP_005997448.1	piggyBac transposable element-derived protein 4
g52420.t1	Q5PRB3	PIH1 domain-containing protein 2
g8614.t1	Q58EK3	PI-PLC X domain-containing protein 3
g17772.t1	NP_001187923.1	pirin
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g42662.t1	NP_001071049.1	platelet receptor Gi24
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
g40062.t1	XP_003410187.1	plexin-A2
g30632.t1	XP_694914.3	plexin-B1
g44731.t1	XP_004553914.1	plexin-C1
g26973.t1	ABB20703.1	PlpE
g11332.t1	BAK19070.1	PL-toxin I
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g27146.t1	NP_001161041.1	poliovirus receptor-related 1b
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g16206.t1	BAC82609.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
pac_pacbio_410235439_2/1_4437	XP_005164203.1	polymeric immunoglobulin receptor
g35647.t1	ACE88773.1	polymorphic mucin variant C10/1/40r2.1
g49735.t1	XP_003199061.1	polypeptide N-acetylgalactosaminyltransferase 18
g13780.t1	XP_004072898.1	polypeptide N-acetylgalactosaminyltransferase 9
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g34603.t1	XP_692121.5	potassium channel subfamily T member 1

g5354.t1	XP_694050.5	potassium channel subfamily T member 2
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g53961.t1	NP_001122197.1	potassium voltage-gated channel subfamily C member 1
g9576.t1	XP_004557932.1	potassium voltage-gated channel subfamily E member 2
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g32182.t1	WP_006288159.1	PPE-repeat protein
g35161.t1	XP_001337090.4	PR domain zinc finger protein 16
g10176.t1	XP_001631300.1	predicted protein
blue_Contig73650.1_5861	XP_001785031.1	predicted protein_11_n
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g27633.t1	EMP26585.1	Prefoldin subunit 6
g38996.t1	XP_696793.3	pre-miRNA 5'-monophosphate methyltransferase
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g16559.t1	AAO65775.1	preprogalanin 1A
g19904.t1	NP_001187244.1	preproghrelin-1
g3526.t1	EGW05636.1	Prestalk protein
qifan_comp146427_c0_seq38	XP_002660420.2	primary ciliary dyskinesia protein 1
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g10194.t1	XP_004544307.1	probable E3 ubiquitin-protein ligase HECTD4
qifan_comp145639_c0_seq3	XP_005736736.1	probable G-protein coupled receptor 116
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
pac_pacbio_410179024_2/15_1903	XP_004773489.1	probable G-protein coupled receptor 148
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g36333.t1	XP_686742.2	probable JmjC domain-containing histone demethylation protein 2C
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g48651.t1	ACO09716.1	Probable mitochondrial import receptor subunit TOM7
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
g19048.t1	NP_001187865.1	prodynorphin
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g15798.t1	AAG47643.1	progastricin
g35724.t1	ABD33839.1	prolactin-releasing peptide C-RFamide
g57823.t1	ACY24366.1	proliferator-activated receptor gamma coactivator 1 alpha
g57048.t1	XP_004550089.1	proline and serine-rich protein 1
g10404.t1	XP_004566478.1	proline and serine-rich protein 2
g40748.t1	XP_001339018.3	proline-, glutamic acid- and leucine-rich protein 1
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
g21768.t1	XP_003450573.1	proline-rich nuclear receptor coactivator 2
qifan_comp148759_c1_seq6	XP_695751.4	proline-rich protein 11
g14795.t1	XP_003200626.1	proline-rich protein 15
g55840.t1	NP_001003478.1	proline-rich protein 15-like protein A
g36631.t1	NP_001187745.1	proline-rich protein 15-like protein-b
g42773.t1	XP_004556116.1	proline-rich protein 18
g27019.t1	XP_004478809.1	proline-rich protein 2
g38522.t1	XP_004556894.1	proline-rich protein 7
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g37955.t1	ABB71125.1	prominin
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
alltrinity_comp195553_c1_seq6	NP_001232875.1	prostate stem cell antigen
alltrinity_comp92512_c0_seq1	XP_003450926.1	prostate-associated microseminoprotein
g45622.t1	XP_003446516.1	protachykinin
skin_comp68430_c1_seq1	NP_001187636.1	proteasome assembly chaperone 4
skin_comp69402_c4_seq6	NP_001188200.1	proteasome inhibitor PI31 subunit
g24908.t1	NP_001188165.1	proteasome subunit beta type-2
g30811.t1	XP_004069473.1	protection of telomeres protein 1
g21232.t1	NP_001153456.1	protein AF1q
g55506.t1	XP_002661318.2	protein amnionless
g51653.t1	I6V1W0	Protein brambleberry
yu_Contig2026	XP_003200284.2	protein C8orf37
g27449.t1	XP_002667478.1	protein C9orf69
g16570.t1	NP_001188040.1	protein CLN8
g32493.t1	XP_003973424.1	protein DDI1 homolog 2
g20822.t1	XP_003206010.1	protein Dok-7
g8383.t1	XP_004067988.1	protein ENL
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g18685.t1	XP_004576381.1	protein FAM111A
g22887.t1	XP_003199107.1	protein FAM150
g17314.t1	XP_001921122.1	protein FAM160A1
g37307.t1	XP_686612.5	protein FAM161A
g44148.t1	XP_697894.2	protein FAM161B
g13922.t1	NP_001076489.2	protein FAM166B
g47603.t1	Q7T297.2	Protein FAM172A
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A

g9780.t1	XP_001333850.4	protein FAM190B
g57503.t1	XP_004542702.1	protein FAM194A
g48523.t1	XP_004545492.1	protein FAM196B
g42607.t1	XP_003441277.1	protein FAM204A
g43331.t1	XP_684048.3	protein FAM45A
g47630.t1	XP_001503756.1	protein FAM81B
g6892.t1	ELW61426.1	Protein Filia
g13785.t1	XP_003504247.1	protein IWS1
102_ccaa	AHH38063.1	Protein JTB
g10115.t1	Q1LVC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g21518.t1	NP_001155070.1	protein kinase domain-containing protein, cytoplasmic
g42564.t1	XP_003962799.1	protein LBH
g49421.t1	XP_001338714.4	protein Lines
qifan_comp67962_c0_seq1	XP_001333294.3	protein MANBAL
g12881.t1	XP_004560274.1	protein NLRC3
g41846.t1	XP_683261.3	protein PAT1 homolog 2
g46310.t1	XP_003442142.1	protein PET100 homolog, mitochondrial
g11758.t1	XP_002259357.1	protein phosphatase
g50315.t1	NP_001017627.1	protein phosphatase 1 regulatory subunit 11
alltrinity_comp202628_c4_seq1	XP_005797030.1	protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g51448.t1	XP_700422.2	protein phosphatase 1 regulatory subunit 32
g23048.t1	NP_001038856.1	protein phosphatase 1 regulatory subunit 35
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq1	XP_005162407.1	protein pitchfork
g38554.t1	XP_002666105.2	protein POF1B
g53035.t1	XP_690522.1	protein QN1
g26037.t1	XP_004540628.1	protein RD3
g24487.t1	NP_001018500.1	protein reprimin A
qifan_comp135681_c0_seq1	NP_001034197.1	protein ripply1
yu_k52:17550	NP_001034199.2	protein ripply3
g32467.t1	XP_688629.4	protein SF1
qifan_comp217313_c0_seq1	XP_002666273.2	protein shisa-5
g14308.t1	P18583	Protein SON
g13009.t1	XP_003970742.1	protein spinster homolog 2
qifan_comp138205_c0_seq3	NP_001032761.1	protein SREK1IP1
225_ccaa	AHH42861.1	Protein starmaker
g32532.t1	XP_700727.5	protein SZT2
g44009.t1	NP_001245157.1	protein TALPID3
g6472.t1	XP_002661201.2	protein TANC2
g32121.t1	XP_003200175.1	protein THEMIS
g53954.t1	NP_001039313.1	protein TSSC4
g26393.t1	XP_004538477.1	protein turtle homolog A
g38157.t1	XP_698041.4	protein turtle homolog B
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g49199.t1	XP_003963600.1	proteolipid protein 2
qifan_comp133175_c0_seq1	NP_919357.2	prothymosin alpha-A
g4289.t1	NP_997823.1	protocadherin 1 gamma 22
g53665.t1	ACQ72597.1	protocadherin-19
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_c0_seq1	XP_006627932.1	Purkinje cell protein 4
g13829.t1	EMC83910.1	Putative aarF domain-containing protein kinase 1
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g15773.t1	XP_002933839.1	putative ferric-chelate reductase 1
g13273.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
blue_Contig74137.1_6994	XP_005295324.1	putative golgin subfamily A member 6C
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g56749.t1	CAR82065.1	putative NILT1 leukocyte receptor
g37387.t1	XP_003442860.1	putative nuclease HARBI1
pac_pacbio_410136248_1/36_2527	AAD19347.1	putative nucleic acid binding protein
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
skin_comp42512_c0_seq1	CAF92508.1	Putative transmembrane protein LOC100289255
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein CXorf58

alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31244.t1	XP_003197692.1	putative uncharacterized protein ENSP00000382790
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g56743.t1	XP_004066107.1	pyrin
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g41753.t1	XP_001923878.2	rab15 effector protein
g49845.t1	CBN81155.1	Rac GTPase-activating protein 1
qifan_comp288907_c0_seq1	XP_005160464.1	RAD51 paralogs
g39836.t1	NP_001133673.1	RAD51-associated protein 1
g37244.t1	NP_001187357.1	rad52 motif-containing protein 1
cdna_aby_k57:953817	XP_003198269.1	RAD9, HUS1, RAD1-interacting nuclear orphan protein 1
g33806.t1	XP_001923770.1	radial spoke head protein 4 homolog A
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g43356.t1	XP_004572088.1	rap1 GTPase-GDP dissociation stimulator 1
g36753.t1	XP_001919810.2	rap1 GTPase-GDP dissociation stimulator 1-B
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g22605.t1	XP_004574467.1	ras guanyl-releasing protein 3
g53492.t1	XP_002734139.1	RAS protein activator like 1
g56421.t1	NP_001096163.1	RCAN family member 3
pac_pacbio_411897453_2/30_1636	NP_001025398.1	receptor expression-enhancing protein 2
g2302.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
qifan_comp63515_c0_seq1	XP_001344817.1	regulator of cell cycle RGCC
g1165.t1	NP_958461.1	regulator of G-protein signaling 14a
g35259.t1	XP_004538054.1	regulator of G-protein signaling 3
g27348.t1	O54829	Regulator of G-protein signaling 7
yu_Contig19798	XP_001923680.1	regulatory factor X-associated protein
g5083.t1	NP_001133563.1	Renin receptor
g48398.t1	BAB83841.1	ReO_6
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g90.t1	DAA01285.1	replicase/helicase/endonuclease
g1345.t1	WP_001453088.1	replication-associated protein A
g55939.t1	NP_001092241.1	represso-like protein
g45384.t1	NP_001002190.1	response gene to complement 32 protein
g49661.t1	NP_001187815.1	retinoblastoma binding protein 9
g28283.t1	Q9W523.1	Retinoic acid receptor alpha
g43947.t1	NP_001122254.1	retinoic acid receptor responder protein 3
g26575.t1	XP_002739124.1	RETROtransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
pac_pacbio_410446628_1/14_8409	AAL35360.1	reverse transcriptase/ribonuclease H/putative methyltransferase
g28443.t1	XP_700258.4	rhabdoid tumor deletion region protein 1
g22495.t1	XP_003972510.1	rho GTPase-activating protein 10
g37552.t1	XP_001339010.2	rho GTPase-activating protein 24
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g3149.t1	XP_003448838.1	rho GTPase-activating protein 8
g54320.t1	NP_001027010.1	rho guanine nucleotide exchange factor 11
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
skin_comp65253_c0_seq3	XP_001344100.3	rhomboid domain-containing protein 2
g4447.t1	XP_001346157.4	ribonuclease inhibitor
g40744.t1	ADO28017.1	ribonuclease kappa-a
g57144.t1	NP_001038840.1	ribonuclease kappa-B
pac_pacbio_412068367_5/40_2901	NP_001093575.1	ribonuclease like 2
g4248.t1	XP_004566297.1	ribonuclease ZC3H12A
qifan_comp107436_c0_seq1	NP_957069.1	ribosomal protein 63, mitochondrial
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
46_ccaa	ADO28905.1	rii domain-containing protein c1orf230
g1385.t1	XP_691626.5	RIMS-binding protein 2
g39133.t1	XP_003447771.1	RING finger protein 207
g25469.t1	XP_003443438.1	RING finger protein 212
g14749.t1	EMC80488.1	RING finger protein 213
g173.t1	XP_001921525.2	RING finger protein 214
yu_Contig21821	XP_006802786.1	RING finger protein C14orf164
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_seq5	XP_005167635.1	RNA-binding protein 44
g15780.t1	XP_003200102.1	RNA-binding protein Nova-1

g57937.t1	XP_003227406.1	RNA-binding protein with multiple splicing
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
g48238.t1	XP_004571181.1	rootletin
pac_pacbio_409846677_2/23_1287	EUB55374.1	rRNA promoter binding protein
g51369.t1	XP_003454106.1	ryanodine receptor 2
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g17608.t1	XP_004546501.1	SAM domain and HD domain-containing protein 1
g48857.t1	P04927.1	S-antigen protein
qifan_comp149773_c0_seq5	XP_002663941.1	sarcoplasmic reticulum histidine-rich calcium-binding protein
g9517.t1	XP_003446322.1	SAYSvFN domain-containing protein 1
g25183.t1	AAI54831.1	Sb:cb1022 protein
g250.t1	PF02023.12	SCAN
g11099.t1	XP_003199418.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g52941.t1	XP_001920334.3	SCO-spondin
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g25061.t1	NP_001245158.1	selectin P ligand
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g23966.t1	XP_004067570.1	semaphorin-7A
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37032.t1	XP_003976101.1	serine hydrolase protein
pac_pacbio_412191777_1/0_3199	XP_001333401.1	serine/arginine repetitive matrix protein 1
g6633.t1	EMP25055.1	Serine/arginine repetitive matrix protein 2
g15414.t1	POC865	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g45567.t1	XP_004562609.1	serine/threonine-protein kinase 11-interacting protein
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g13310.t1	XP_696163.4	serine/threonine-protein kinase ATR
g4821.t1	XP_004566361.1	serine/threonine-protein kinase Nek5
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g10900.t1	NP_001073513.2	serine/threonine-protein kinase SMG1
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g45448.t1	XP_694390.3	serine/threonine-protein phosphatase 2A regulatory subunit B' subunit beta
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g47643.t1	NP_001103754.1	serologically defined colon cancer antigen 3
g12407.t1	AAH14726.1	SERTA domain containing 2
alltrinity_comp205847_c0_seq1	XP_005157012.1	SERTA domain-containing protein 4
g19962.t1	NP_001032477.1	SET and MYND domain-containing protein 3
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g17279.t1	XP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6P0R8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
yu_Contig26491	AAI54252.1	Si:ch211-147a11.3 protein
yu_Contig11093	XP_683586.2	si:ch211-153a8.4
qifan_comp255491_c0_seq1	XP_003200891.1	si:ch211-191j22.3
qifan_comp150838_c0_seq11	XP_694355.3	si:ch211-199g17.9
yu_Contig17316	AAI54248.1	Si:ch211-215a10.4 protein
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1_seq2	XP_003197657.2	si:ch211-235f1.3
alltrinity_comp207474_c0_seq13	XP_005160672.1	si:ch211-51a19.5
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
alltrinity_comp210636_c0_seq5	XP_003200089.2	si:dkey-103g5.4
qifan_comp143879_c0_seq1	AAI55834.1	Si:dkey-10p5.7
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
alltrinity_comp205023_c5_seq11	XP_005167449.1	si:dkey-11f4.16
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12l12.1
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp63543_c0_seq2	XP_689978.6	si:dkey-3b8.4
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
qifan_comp141671_c1_seq1	AAI33988.1	Si:dkey-86e18.1 protein
ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
g16223.t1	XP_003451270.1	sialic acid-binding Ig lectin 15
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g32808.t1	XP_698593.4	sickle tail protein
g5914.t1	ACI68075.1	Signal peptidase complex subunit 3

g293.t1	NP_001028913.1	signal recognition particle 14 kDa protein
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g10121.t1	Q95KK4	Single-stranded DNA-binding protein 2C mitochondrial
g14331.t1	AAAX28387.2	SJCHGC01615 protein
pac_pacbio_409952053_1/5_1025	AAAX26836.2	SJCHGC03019 protein
g56366.t1	AAAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
qifan_comp275485_c0_seq1	AAAX30961.2	SJCHGC09650 protein
g31366.t1	XP_003457715.1	SLAM family member 7
alltrinity_comp206233_c0_seq2	XP_005163632.1	SLAM family member 9
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g4607.t1	XP_002666547.1	small cell adhesion glycoprotein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
qifan_comp132148_c0_seq1	XP_003437706.1	small EDRK-rich factor 2
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g47221.t1	NP_001013546.1	small integral membrane protein 12
g48087.t1	XP_003447288.1	small integral membrane protein 13
skin_comp67519_c0_seq1	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_seq1	XP_002663002.1	small integral membrane protein 20
cdna_FD350235.1	XP_002666500.1	small integral membrane protein 4
g15224.t1	P0C8S0.1	Small membrane A-kinase anchor protein
g14587.t1	XP_003968174.1	small muscular protein
g51818.t1	Q3UZP4	Small VCP/p97-interacting protein
g10234.t1	XP_002662240.1	smoothelin
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor O2A10
alltrinity_comp196652_c2_seq6	XP_001923727.1	snRNA-activating protein complex subunit 2
qifan_comp152805_c0_seq5	NP_001073632.1	snRNA-activating protein complex subunit 5
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g15416.t1	XP_004571125.1	sodium bicarbonate cotransporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g28026.t1	XP_003439075.1	sodium/hydrogen exchanger 8
g44207.t1	XP_002665845.1	sodium/potassium/calcium exchanger 4
g26211.t1	EMP24694.1	Sodium-dependent proline transporter
g26571.t1	ACA52542.1	soluble adenylyl cyclase
g39956.t1	XP_682935.4	solute carrier family 35 member F1
g25677.t1	NP_001187259.1	somatostatin-1
g27607.t1	XP_691857.4	sorbin and SH3 domain-containing protein 2
g26258.t1	NP_956513.1	SOSS complex subunit C
g10967.t1	XP_003200394.1	SPARC protein 1
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g28664.t1	NP_956821.1	sperm flagellar protein 1
g18684.t1	NP_001121704.1	sperm flagellar protein 2
g32392.t1	XP_003201529.1	sperm-associated antigen 16 protein
g17980.t1	XP_689610.4	sperm-associated antigen 17
g5037.t1	XP_696012.3	sperm-associated antigen 5
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g39455.t1	XP_002666632.1	spermatogenesis-associated protein 22
cdna_aby_k21:3497806	XP_003200342.2	spermatogenesis-associated protein 7
g49011.t1	NP_001187439.1	spindle and kinetochore-associated protein 2
g44813.t1	Q58EL7.2	Spindle and kinetochore-associated protein 3
g31528.t1	NP_957462.2	splicing factor, arginine/serine-rich 8
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g12513.t1	AAI15223.1	Ssfa2 protein
g38956.t1	ABD83928.1	stabilin 1 precursor-like
g47377.t1	NP_001165106.1	stannin
g54491.t1	XP_001340114.1	stAR-related lipid transfer protein 13
g44217.t1	XP_004082491.1	stAR-related lipid transfer protein 9
g15561.t1	EMS57593.1	Stellacyanin
g30147.t1	XP_004554267.1	sterile alpha motif domain-containing protein 11
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
g4175.t1	XP_001922696.1	stonustoxin subunit beta
g58122.t1	NP_001116482.1	storkhead-box protein 1
g17540.t1	XP_004566668.1	storkhead-box protein 2
g36178.t1	AGM53488.1	Stra8
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33229.t1	P18899	Stress protein DDR48
g26563.t1	XP_699397.4	structural maintenance of chromosomes flexible hinge domain-containing protein 1

g23489.t1	NP_998191.1	succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial
g6388.t1	XP_003759970.1	succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
yu_k50:2886796	ACI32951.1	Sushi domain-containing protein 3
g47279.t1	EMC89852.1	Sushi domain-containing protein 5
g32554.t1	XP_004553021.1	sushi, nidogen and EGF domain-containing protein 1
g41141.t1	XP_695742.5	sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1
yu_Contig1566	B7ZD04.1	Swi5-dependent recombination DNA repair protein 1
g21948.t1	XP_001332100.2	synapse differentiation-inducing gene protein 1
qifan_comp72641_c0_seq1	XP_685048.5	synaptonemal complex protein 2
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
g28672.t1	XP_004574491.1	syntaxin-10
yu_Contig3667	XP_005158110.1	syntaxin-17
g6756.t1	Q5SQE2	Syntaxin-binding protein 5
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
g9573.t1	XP_004086185.1	tachykinin-like peptides receptor 86C
177_ccaa	ABD85504.1	tafazzin
pac_pacbio_412220450_1/5_6196	XP_002663453.2	taste receptor type 2 member 10
pac_pacbio_409902838_1/58_3510	NP_001094099.1	taste receptor, type 2, member 202
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g36220.t1	XP_004570054.1	TBC1 domain family member 30
g32976.t1	BAF37936.1	Tc1-like transposase
g31788.t1	NP_001038484.1	TCDD-inducible poly [ADP-ribose] polymerase
g33279.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g29116.t1	XP_002662910.2	t-cell immunomodulatory protein
g54837.t1	ACI68751.1	T-cell leukemia translocation-altered gene protein
136_ccaa	AAR06175.1	T-cell receptor alpha
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
cdna_aby_k93:245501	XP_005168366.1	T-cell surface antigen CD2
g36870.t1	XP_003201454.1	t-cell surface glycoprotein CD1b3
g31454.t1	ADM15562.1	Tcf4
g56562.t1	AAD56899.1	TCR beta variable region
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g51298.t1	XP_004602630.1	telomeric repeat-binding factor 1
g18472.t1	XP_691552.5	teneurin-1
g10633.t1	XP_691651.5	teneurin-2
g7378.t1	NP_571043.1	teneurin-3
g36209.t1	AAH96857.1	Terfa protein
g48080.t1	G7NY55	Testis- and ovary-specific PAZ domain-containing protein 1
g19828.t1	XP_692960.1	testis development-related protein
qifan_comp120154_c0_seq2	XP_005157775.1	testis expressed 26
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
qifan_comp140589_c0_seq1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g233.t1	PF00335.15	Tetraspanin
g34615.t1	XP_002662229.2	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g3424.t1	NP_775392.2	tetratricopeptide repeat protein 27
qifan_comp144376_c0_seq4	ADO29196.1	tetratricopeptide repeat protein 32
g43280.t1	XP_004554616.1	tetratricopeptide repeat protein 40
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g50419.t1	XP_004562995.1	thioredoxin, mitochondrial
g48550.t1	XP_003443473.1	thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 2
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g38235.t1	XP_695354.2	thy-1 membrane glycoprotein
g26558.t1	ACN10178.1	Thymidylate synthase
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_seq1	NP_001124169.1	thymosin, beta 4 x
g35331.t1	AFN02885.1	TIKI1
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g25093.t1	XP_001923800.1	titin
g36919.t1	PF00229.13	TNF
g35633.t1	ABE99697.1	TNF receptor associated factor 1
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
cdna_vet_k79:5544	NP_001117782.1	toxin-1
g41071.t1	AA558449.1	TRAF2 binding protein
g17693.t1	XP_003443803.1	trafficking protein particle complex subunit 9
g12020.t1	ACO13970.1	TRAF-type zinc finger domain-containing protein 1
qifan_comp79042_c0_seq1	XP_005156464.1	transcription elongation regulator 1-like protein
g31455.t1	P15881	Transcription factor 4

g25291.t1	XP_003458132.1	transcription factor Adf-1
pac_pacbio_410105393_1/0_1384	BAF91872.1	transcription factor FoxP2
g35606.t1	A4QNR3	Transcription factor IIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g22449.t1	XP_001341061.1	transcriptional regulator ATRX
blue_Contig22666.1_15635	XP_005170502.1	transcriptional repressor p66-alpha
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
skin_comp66936_c0_seq1	XP_006625555.1	trans-Golgi network integral membrane protein 2
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g15600.t1	NP_957368.1	translation initiation factor eIF-2B subunit gamma
g1005.t1	XP_004599305.1	translation initiation factor IF-2
g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g30130.t1	ACD93412.1	transmembrane agrin
g38635.t1	ADO29274.1	transmembrane and immunoglobulin domain-containing protein 1
g3843.t1	XP_001340422.4	transmembrane protease serine 3
skin_comp27957_c0_seq1	XP_005162650.1	transmembrane protein 108
g29349.t1	XP_004545377.1	transmembrane protein 110
180_ccaa	ABD83932.1	Transmembrane protein 116
g25062.t1	XP_687955.1	transmembrane protein 119
alltrinity_comp182119_c0_seq1	XP_003442738.1	transmembrane protein 128
g43487.t1	XP_001341924.1	transmembrane protein 132D
yu_Contig13361	NP_001003999.1	transmembrane protein 144
g55844.t1	ACI69526.1	Transmembrane protein 150
g56916.t1	XP_001342667.2	transmembrane protein 150C
alltrinity_comp196143_c0_seq3	XP_005170961.1	transmembrane protein 154
yu_Contig17032	XP_003450528.2	transmembrane protein 164
g33373.t1	XP_699489.3	transmembrane protein 173
qifan_comp99401_c0_seq1	NP_001129456.1	transmembrane protein 186
blue_Contig39326.1_7677	XP_001341471.1	transmembrane protein 187
skin_comp42934_c0_seq1	ADO27909.1	transmembrane protein 188
yu_k59:1842567	NP_001187359.1	transmembrane protein 189
92_ccaa	AHH39436.1	Transmembrane protein 208
qifan_comp138158_c0_seq1	NP_001003594.1	transmembrane protein 223
alltrinity_comp188158_c0_seq5	XP_706440.3	transmembrane protein 240
skin_comp69160_c0_seq1	NP_001013548.1	transmembrane protein 248
qifan_comp121834_c0_seq1	QSTZA3.1	Transmembrane protein 251
qifan_comp98319_c0_seq3	XP_006022692.1	transmembrane protein 252
qifan_comp151994_c1_seq2	XP_005169458.1	transmembrane protein 44
alltrinity_comp135813_c0_seq3	NP_001124325.1	transmembrane protein 71
qifan_comp152872_c0_seq2	XP_006124936.1	transmembrane protein 80
yu_k60:64634	XP_001342604.1	transmembrane protein 81
alltrinity_comp193892_c0_seq4	XP_688253.2	transmembrane protein C9orf91
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
g14377.t1	PFO2994.9	L1 transposable element
g14540.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g24169.t1	XP_001341898.4	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g41591.t1	NP_001120728.2	triple QxxK/R motif-containing protein
g24085.t1	NP_001014331.1	tRNA guanosine-2'-O-methyltransferase TRM13
g38932.t1	NP_001070119.1	tRNA-splicing endonuclease subunit Sen2
g12869.t1	XP_001337104.1	tropomyosin-2
g50778.t1	XP_003446244.1	t-SNARE domain-containing protein 1
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
g41079.t1	NP_571918.2	tumor necrosis factor (ligand) superfamily, member 10
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
qifan_comp142176_c0_seq3	XP_005166120.1	tumor necrosis factor receptor superfamily, member 18
g50741.t1	NP_001073505.1	tumor protein p53-inducible nuclear protein 1
g52602.t1	XP_001338803.3	tumor protein p53-inducible protein 13
g11994.t1	NP_001170916.1	two pore channel 3
g37238.t1	NP_001158515.1	type I interferon 4
g32132.t1	XP_004078335.1	type II inositol 1,4,5-trisphosphate 5-phosphatase
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g57593.t1	ADO28270.1	u3 small nucleolar ribonucleoprotein protein imp3
g26657.t1	NP_001002673.1	U4/U6.U5 tri-snRNP-associated protein 1
g15795.t1	XP_003447234.1	U7 snRNA-associated Sm-like protein LSm10
g30295.t1	NP_001006008.1	U8 snoRNA-decapping enzyme
g50396.t1	XP_003443216.1	ubuclein-2
g40272.t1	XP_002665714.2	ubiquitin carboxyl-terminal hydrolase 24
53_ccaa	ADO28792.1	ubiquitin-fold modifier 1
g3138.t1	NP_001108154.1	ubiquitin-protein ligase E3B
g42956.t1	NP_001038911.1	UBX domain-containing protein 10
g1182.t1	XP_697591.2	UBX domain-containing protein 11

g4513.t1	PF00443.24	UCH
g56935.t1	NP_001122229.1	UNC119-binding protein C5orf30
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
g13828.t1	XP_003756252.1	uncharacterized aarF domain-containing protein kinase 1
g12734.t1	XP_004563698.1	uncharacterized gene 87 protein
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp197486_c0_seq1	XP_005159447.1	uncharacterized LOC100006053
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
alltrinity_comp98724_c0_seq1	XP_001921235.2	uncharacterized LOC100148190
pac_pacbio_409883415_2/5_2331	XP_002660796.1	uncharacterized LOC100333027
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410131720_2/9_515	XP_003777772.1	uncharacterized LOC100939189
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
pac_pacbio_409543459_3/16_2024	XP_005163390.1	uncharacterized LOC101882377
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
qifan_comp183148_c0_seq1	XP_005167028.1	uncharacterized LOC101884059
blue_Contig63979.1_11969	XP_005167167.1	uncharacterized LOC101884495
pac_pacbio_409754118_2/13_1631	XP_005163381.1	uncharacterized LOC101884547
alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
blue_Contig53338.1_13554	XP_005171068.1	uncharacterized LOC101884727
pac_pacbio_411702949_2/18_2730	XP_005169548.1	uncharacterized LOC101885524
454_FWM5MQA02FJOBE	XP_005160982.1	uncharacterized LOC101885928
ncbimrna_375923203	XP_005169161.1	uncharacterized LOC101886252
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp13837_c0_seq1	XP_688024.4	uncharacterized LOC559576
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
g27123.t1	XP_003199515.1	uncharacterized membrane protein C19orf24
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g4226.t1	CBN82140.1	Uncharacterized protein
pac_pacbio_41177655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
g13390.t1	XP_699238.2	uncharacterized protein C10orf88
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g52437.t1	Q6ZUT1	Uncharacterized protein C11orf57
g51142.t1	XP_002934975.1	uncharacterized protein C11orf65
qifan_comp142062_c0_seq4	XP_706374.4	uncharacterized protein C11orf74
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g57724.t1	XP_001333876.2	uncharacterized protein C11orf95
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
yu_Contig13439	XP_706561.2	uncharacterized protein C14orf80
g53806.t1	NP_001013486.1	uncharacterized protein C15orf43
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g30903.t1	XP_001335597.2	uncharacterized protein C15orf60
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g36364.t1	NP_001187677.1	uncharacterized protein c16orf52
g43632.t1	XP_003198174.1	uncharacterized protein C17orf104
alltrinity_comp202118_c1_seq2	XP_003198822.1	uncharacterized protein C17orf67
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
g27120.t1	XP_004557089.1	uncharacterized protein C19orf21
yu_Contig19535	XP_684751.1	uncharacterized protein C19orf43
g23033.t1	XP_001337233.2	uncharacterized protein C19orf44
g47517.t1	NP_001187678.1	uncharacterized protein c1orf109
alltrinity_comp201700_c1_seq1	XP_005162346.1	uncharacterized protein C1orf127
yu_Contig17514	XP_004552952.1	uncharacterized protein C1orf146
g39113.t1	XP_001341090.2	uncharacterized protein C1orf158
g34284.t1	XP_001493985.1	uncharacterized protein C1orf194
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
454_FWM5MQA02JX9EO	NP_001188116.1	uncharacterized protein c1orf43
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_cic_290992	XP_002121050.1	uncharacterized protein C20orf201
g6954.t1	EOB05541.1	Uncharacterized protein C21orf62
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g19151.t1	XP_689876.3	uncharacterized protein C2orf67
g46418.t1	XP_003438183.1	uncharacterized protein C2orf82
g25038.t1	XP_002666450.1	uncharacterized protein C3orf18
g4634.t1	ADO27960.1	uncharacterized protein c3orf26

g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g32240.t1	Q6P2K3	Uncharacterized protein C3orf67
g25342.t1	NP_001187330.1	uncharacterized protein c4orf22
g47614.t1	XP_001339173.4	uncharacterized protein C5orf36
g50311.t1	XP_002665577.1	uncharacterized protein C5orf49
g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g10146.t1	XP_690269.4	uncharacterized protein C7orf57
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
qifan_comp120236_c0_seq1	XP_002666730.2	uncharacterized protein C8orf59
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g47641.t1	XP_003198708.1	uncharacterized protein C9orf174
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
g6979.t1	XP_001336283.4	uncharacterized protein C9orf93
g53.t1	XP_001334272.1	uncharacterized protein CXorf21
g51137.t1	XP_004574507.1	uncharacterized protein CXorf23
yu_Contig26033	XP_005995314.1	uncharacterized protein CXorf38
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g32708.t1	Q54G14	Uncharacterized protein DDB_G0290685
alltrinity_comp1212_c0_seq1	XP_003197967.1	uncharacterized protein DDB_G0292642
g33673.t1	XP_691812.1	uncharacterized protein DKFZp76211415
g52823.t1	XP_001344930.1	uncharacterized protein DKFZp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g17100.t1	NP_001138262.1	uncharacterized protein FLJ46082
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
skin_comp68504_c1_seq2	XP_005157900.1	uncharacterized protein KIAA0408
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g45381.t1	XP_003449562.1	uncharacterized protein KIAA0564
g3770.t1	O94854	Uncharacterized protein KIAA0754
g47616.t1	XP_004544440.1	uncharacterized protein KIAA0825
g36177.t1	XP_004564929.1	uncharacterized protein KIAA0930
g44842.t1	Q5RG44	Uncharacterized protein KIAA1211
qifan_comp141713_c0_seq3	XP_005161110.1	uncharacterized protein KIAA1328
pac_pacbio_411145895_2/0_2227	XP_005466789.1	uncharacterized protein KIAA1586
g31480.t1	XP_003453963.1	uncharacterized protein KIAA2026
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
yu_k83:856612	XP_005159781.1	uncharacterized protein LOC100000125
g19233.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimma_375941092	NP_001076411.1	uncharacterized protein LOC100001008
g44956.t1	XP_001341146.1	uncharacterized protein LOC100001066
g30237.t1	XP_001341616.1	uncharacterized protein LOC100001663
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
g9005.t1	NP_001104709.1	uncharacterized protein LOC100002393
g12149.t1	XP_001342555.1	uncharacterized protein LOC100002885
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
g21008.t1	NP_001076422.1	uncharacterized protein LOC100003490
g18406.t1	XP_001343562.1	uncharacterized protein LOC100004199
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
alltrinity_comp192940_c0_seq1	XP_001344440.5	uncharacterized protein LOC100005359
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
g41080.t1	XP_001339537.1	uncharacterized protein LOC100005938
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp136584_c0_seq4	XP_001345466.4	uncharacterized protein LOC100006831
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g1321.t1	XP_001345583.3	uncharacterized protein LOC100007012
qifan_comp232627_c0_seq1	XP_005159450.1	uncharacterized protein LOC100034474
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
skin_comp46055_c0_seq1	NP_001092726.1	uncharacterized protein LOC100093702
g33873.t1	NP_001096105.1	uncharacterized protein LOC100124608
qifan_comp141121_c0_seq3	NP_001107480.1	uncharacterized protein LOC100135331
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_seq1	NP_001108579.1	uncharacterized protein LOC100141491
g14019.t1	NP_001121845.1	uncharacterized protein LOC100148025
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185

g44767.t1	NP_001137527.1	uncharacterized protein LOC100149419
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g9189.t1	XP_001920033.3	uncharacterized protein LOC100150699
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
g23702.t1	XP_002124374.1	uncharacterized protein LOC100182128
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
qifan_comp75296_c0_seq1	NP_001129045.1	uncharacterized protein LOC100190888
g50039.t1	NP_001129460.1	uncharacterized protein LOC100191015
blue_Contig18746.1_4689	NP_001129728.1	uncharacterized protein LOC100192222
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g46254.t1	XP_002170745.2	uncharacterized protein LOC100206555
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
skin_comp67029_c0_seq1	XP_002666669.1	uncharacterized protein LOC100331646
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g16224.t1	XP_002665022.1	uncharacterized protein LOC100333000
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g1173.t1	XP_002660711.1	uncharacterized protein LOC100334929
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
cdna_aby_k47-90104	XP_002936147.2	uncharacterized protein LOC100486038
g13347.t1	XP_002937587.2	uncharacterized protein LOC100486046
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g24754.t1	XP_002941460.2	uncharacterized protein LOC100486543
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g855.t1	XP_002943045.1	uncharacterized protein LOC100496405
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
g34964.t1	XP_003200192.1	uncharacterized protein LOC100534794
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein LOC100535981
g51279.t1	XP_003201376.1	uncharacterized protein LOC100536977
g26581.t1	NP_001232919.1	uncharacterized protein LOC100536988
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969
alltrinity_comp210712_c0_seq4	XP_003201028.2	uncharacterized protein LOC100538251
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_seq1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp151014_c1_seq19	XP_005478722.1	uncharacterized protein LOC100699558
g16371.t1	XP_003455299.1	uncharacterized protein LOC100704554
pac_pacbio_410509076_1/0_7116	XP_005460648.1	uncharacterized protein LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g31877.t1	XP_003731413.1	uncharacterized protein LOC100889854
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260

g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
g4697.t1	XP_003800100.1	uncharacterized protein LOC100945098
g41814.t1	XP_003910265.1	uncharacterized protein LOC101002185
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g27756.t1	XP_003970298.1	uncharacterized protein LOC101065532
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g14779.t1	XP_003978935.1	uncharacterized protein LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g22804.t1	XP_003975018.1	uncharacterized protein LOC101072809
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g5308.t1	XP_004022588.1	uncharacterized protein LOC101122670
g11457.t1	XP_004082662.1	uncharacterized protein LOC101154992
g57723.t1	XP_004080138.1	uncharacterized protein LOC101155965
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04DTS03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g23780.t1	XP_004082982.1	uncharacterized protein LOC101157745
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g29180.t1	XP_004069062.1	uncharacterized protein LOC101163073
g22383.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein LOC101166008
pac_pacbio_409662298_1/13_2522	XP_004071132.1	uncharacterized protein LOC101166628
g25280.t1	XP_004072689.1	uncharacterized protein LOC101166636
pac_pacbio_412109529_2/15_2977	XP_004084328.1	uncharacterized protein LOC101166927
g38796.t1	XP_004080663.1	uncharacterized protein LOC101167745
g41003.t1	XP_004084534.1	uncharacterized protein LOC101167763
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g21956.t1	XP_004077302.1	uncharacterized protein LOC101169137
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein LOC101169968
g24732.t1	XP_004073012.1	uncharacterized protein LOC101170193
g39869.t1	XP_004067821.1	uncharacterized protein LOC101170263
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g54688.t1	XP_004080040.1	uncharacterized protein LOC101171781
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g57510.t1	XP_004079033.1	uncharacterized protein LOC101174375
g38152.t1	XP_004076114.1	uncharacterized protein LOC101174449
g919.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g20712.t1	XP_004071709.1	uncharacterized protein LOC101175482
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
blue_Contig71116.1_3547	XP_004212194.1	uncharacterized protein LOC101240998
g55803.t1	XP_004443028.1	uncharacterized protein LOC101400493
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g44815.t1	XP_004573063.1	uncharacterized protein LOC101463720
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
g56361.t1	XP_004556909.1	uncharacterized protein LOC101465870
pac_pacbio_410677548_1/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g22413.t1	XP_004572072.1	uncharacterized protein LOC101466125
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g9571.t1	XP_004539275.1	uncharacterized protein LOC101466841
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081

g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
alltrinity_comp195567_c0_seq17	XP_004549109.1	uncharacterized protein LOC101468782
g16808.t1	XP_004576354.1	uncharacterized protein LOC101468882
pac_pacbio_410303056_1/12_1413	XP_004567438.1	uncharacterized protein LOC101468928
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g57450.t1	XP_004570638.1	uncharacterized protein LOC101474939
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g43354.t1	XP_004572114.1	uncharacterized protein LOC101476797
g23641.t1	XP_004546534.1	uncharacterized protein LOC101477917
g16676.t1	XP_004542626.1	uncharacterized protein LOC101478545
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g44413.t1	XP_004551582.1	uncharacterized protein LOC101478960
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g39167.t1	XP_004559899.1	uncharacterized protein LOC101480320
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g2050.t1	XP_004549715.1	uncharacterized protein LOC101480956
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
alltrinity_comp203546_c1_seq3	XP_004557328.1	uncharacterized protein LOC101482830
g46364.t1	XP_004552553.1	uncharacterized protein LOC101483291
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
XY_XY_ctg228176	XP_004559649.1	uncharacterized protein LOC101486530
g45137.t1	XP_004571616.1	uncharacterized protein LOC101486766
g23913.t1	XP_004559932.1	uncharacterized protein LOC101487865
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g126.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g24760.t1	XP_004911591.1	uncharacterized protein LOC101732058
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
pac_pacbio_411634889_4/7_2100	XP_004916525.1	uncharacterized protein LOC101733395
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein LOC101733949
g10647.t1	XP_004917417.1	uncharacterized protein LOC101734075
qifan_comp95407_c0_seq1	XP_004918303.1	uncharacterized protein LOC101734130
g14057.t1	XP_004914926.1	uncharacterized protein LOC101734213
g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
YY_jcf4763722	XP_005163580.1	uncharacterized protein LOC101882486
YY_jcf4735176	XP_005157769.1	uncharacterized protein LOC101882500
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
blue_Contig59197.1_16406	XP_005165144.1	uncharacterized protein LOC101884020
ncbimna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein LOC101884337

yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
blue_Contig72773.1_13489	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig2553.1_35943	XP_005167008.1	uncharacterized protein LOC101887094
blue_Contig2748.1_27327	XP_005294352.1	uncharacterized protein LOC101948872
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
pac_pacbio_409506783_2/6_2417	XP_005461383.1	uncharacterized protein LOC102076050
qifan_comp85056_c0_seq1	XP_005450678.1	uncharacterized protein LOC102076367
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
pac_pacbio_409416641_1/119_2180	XP_005450860.1	uncharacterized protein LOC102077391
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
qifan_comp244124_c0_seq1	XP_005464739.1	uncharacterized protein LOC102079542
alltrinity_comp194250_c2_seq6	XP_005466108.1	uncharacterized protein LOC102079649
YY_jcf4885817	XP_005462000.1	uncharacterized protein LOC102080201
pac_pacbio_409643086_1/10_5139	XP_005466369.1	uncharacterized protein LOC102080911
pac_pacbio_412372638_2/0_2381	XP_005457242.1	uncharacterized protein LOC102081353
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
pac_pacbio_410073501_2/10_3640	XP_005466079.1	uncharacterized protein LOC102082168
alltrinity_comp207891_c0_seq5	XP_005451783.1	uncharacterized protein LOC102082977
blue_Contig43739.1_7430	XP_005466641.1	uncharacterized protein LOC102083163
qifan_comp200420_c0_seq1	XP_005741295.1	uncharacterized protein LOC102194460
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
alltrinity_comp121194_c0_seq3	XP_005722490.1	uncharacterized protein LOC102209022
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein LOC102213288
blue_Contig85669.1_12188	XP_005813273.1	uncharacterized protein LOC102220987
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4_seq4	XP_006637780.1	uncharacterized protein LOC102694700
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
pac_pacbio_411813263_2/13_1292	XP_006810778.1	uncharacterized protein LOC102775714
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_409681842_2/0_1762	XP_006817019.1	uncharacterized protein LOC102808054
pac_pacbio_410785629_6/1_569	XP_006984659.1	uncharacterized protein LOC102926326
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42140.t1	NP_954967.1	uncharacterized protein LOC321250
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g28662.t1	XP_002664218.1	uncharacterized protein LOC368914
g37316.t1	NP_956824.1	uncharacterized protein LOC393502
g35738.t1	NP_998307.1	uncharacterized protein LOC406416
g9052.t1	NP_001002426.1	uncharacterized protein LOC436699
g32662.t1	NP_001006007.1	uncharacterized protein LOC449839
g25407.t1	NP_001124069.1	uncharacterized protein LOC492631
g56519.t1	XP_002665267.1	uncharacterized protein LOC492696
g24292.t1	NP_001073633.1	uncharacterized protein LOC492735
g51239.t1	NP_001009986.1	uncharacterized protein LOC494495
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
g33368.t1	NP_001014327.1	uncharacterized protein LOC541492
g23854.t1	NP_001014343.1	uncharacterized protein LOC541508
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
g14601.t1	NP_001018548.1	uncharacterized protein LOC553741
g33471.t1	NP_001018552.1	uncharacterized protein LOC553745
alltrinity_comp196058_c0_seq3	NP_001018555.1	uncharacterized protein LOC553748
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein LOC555281
g39957.t1	NP_001037797.1	uncharacterized protein LOC555399
alltrinity_comp209129_c0_seq1	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
blue_Contig32785.1_13303	NP_001025268.1	uncharacterized protein LOC555989
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
alltrinity_comp208335_c1_seq1	NP_001121707.1	uncharacterized protein LOC556245
g32241.t1	NP_001103493.1	uncharacterized protein LOC556322
g41211.t1	NP_001038267.2	uncharacterized protein LOC556372
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
g30515.t1	XP_685238.1	uncharacterized protein LOC557141
yu_Contig13501	NP_001038175.1	uncharacterized protein LOC557283

alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g19747.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
g45140.t1	XP_686699.4	uncharacterized protein LOC558404
g29209.t1	NP_001121713.1	uncharacterized protein LOC558435
g29554.t1	XP_687069.2	uncharacterized protein LOC558721
g39751.t1	NP_001020674.1	uncharacterized protein LOC558894
g20482.t1	NP_001103851.1	uncharacterized protein LOC558938
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g35453.t1	NP_001094417.1	uncharacterized protein LOC559398
g17875.t1	NP_001138831.1	uncharacterized protein LOC559409
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp94105_c1_seq1	NP_001122173.1	uncharacterized protein LOC560193
g39214.t1	XP_689123.2	uncharacterized protein LOC560634
qifan_comp165704_c0_seq1	NP_001091719.1	uncharacterized protein LOC561001
qifan_comp153125_c1_seq8	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g49915.t1	NP_001020690.2	uncharacterized protein LOC562128
alltrinity_comp39900_c0_seq2	NP_001108320.1	uncharacterized protein LOC563576
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g22750.t1	NP_001243088.1	uncharacterized protein LOC564601
g34134.t1	NP_001107075.1	uncharacterized protein LOC564675
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g38032.t1	NP_001139059.1	uncharacterized protein LOC565246
g35777.t1	NP_001188341.1	uncharacterized protein LOC566307
g22277.t1	NP_001122012.1	uncharacterized protein LOC566663
g38234.t1	NP_001232917.1	uncharacterized protein LOC566907
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g25353.t1	NP_001093504.1	uncharacterized protein LOC567837
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
g18368.t1	NP_001116762.1	uncharacterized protein LOC568385
g6989.t1	NP_001124262.1	uncharacterized protein LOC568410
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g27434.t1	NP_001073507.1	uncharacterized protein LOC568780
g12308.t1	NP_001122220.1	uncharacterized protein LOC569123
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g48839.t1	NP_001013590.1	uncharacterized protein LOC570187
g34312.t1	NP_001116786.1	uncharacterized protein LOC570575
cdna_FD321616.1	NP_001091724.1	uncharacterized protein LOC570890
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
alltrinity_comp201149_c1_seq2	NP_001038684.3	uncharacterized protein LOC571470
g42991.t1	NP_001108529.1	uncharacterized protein LOC571548
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g21446.t1	NP_001073526.1	uncharacterized protein LOC571919
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g49359.t1	NP_001032667.1	uncharacterized protein LOC641580
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
g180.t1	NP_001038862.1	uncharacterized protein LOC751683
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g8283.t1	XP_001233307.2	uncharacterized protein LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
g1285.t1	XP_003198870.1	uncharacterized protein LOC793418
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
alltrinity_comp188805_c0_seq2	XP_003199181.2	uncharacterized protein LOC794073
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g54386.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019

g39556.t1	NP_001093525.1	uncharacterized protein LOC796385
g37875.t1	NP_001139089.1	uncharacterized protein LOC796750
g8416.t1	XP_001335286.1	uncharacterized protein LOC797003
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g57809.t1	NP_001076390.1	uncharacterized protein LOC797943
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g8660.t1	NP_001124266.1	uncharacterized protein LOC799070
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g25979.t1	NP_001076404.1	uncharacterized protein LOC799956
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
degen_deg7180003840307	XP_001624008.1	Uncharacterized protein ORF50
g7702.t1	O96185	Uncharacterized protein PFB0460c
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
yu_Contig3053	XP_001345180.4	uncharacterized protein si:ch211-261d7.4
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-106l3.7
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-121i2.1
qifan_comp136584_c0_seq1	XP_001923739.2	uncharacterized protein si:dkey-182g1.6
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
XY_XY_ctg347548	XP_005160532.1	uncharacterized protein si:dkey-33i22.3
cdna_FD023915.1	XP_001337059.3	uncharacterized protein si:dkey-87o1.2
yu_Contig16052	XP_002661155.1	uncharacterized protein si:dkey-93n13.2
alltrinity_comp197657_c0_seq1	XP_697773.3	uncharacterized protein si:dkey-98j1.5
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
alltrinity_comp182925_c0_seq1	CBN80909.1	Uncharacterized protein_1_n
g23931.t1	Q96VV6	Uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
g51491.t1	Q6NWB6	Unique cartilage matrix-associated protein
qifan_comp181544_c0_seq1	AAI33100.1	Unknown (protein for IMAGE:6523990)
g21769.t1	AAI57389.1	Unknown (protein for IMAGE:7070805)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g35482.t1	AAI42910.1	Unknown (protein for IMAGE:8147032)
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
XY_XY_ctg289219	BAA12332.1	unnamed protein product
pac_pacbio_411251993_1/12_1808	CAG02552.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
blue_Contig88449.1_14848	BAA12332.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
pac_pacbio_411392801_1/0_2175	CAG06189.1	unnamed protein product
g27966.t1	NP_001158638.1	UPF0235 protein C15orf40
g57031.t1	XP_004075121.1	UPF0258 protein KIAA1024
qifan_comp95973_c0_seq1	NP_001035133.1	UPF0390 protein zgc136864
g31133.t1	NP_998306.1	UPF0444 transmembrane protein C12orf23
g48685.t1	NP_001138278.1	UPF0452 protein C7orf41
g9685.t1	NP_001018573.1	UPF0454 protein C12orf49
g49947.t1	XP_003440582.1	UPF0459 protein C19orf50
g11140.t1	NP_001188061.1	upf0490 protein c1orf201
g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
yu_Contig6056	ADO28254.1	upf0545 protein c22orf39
g25743.t1	XP_004570228.1	UPF0556 protein C19orf10
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
g37040.t1	NP_001083047.1	UPF0575 protein C19orf67
g27604.t1	ADO27753.1	upf0602 protein c4orf47
56_ccaa	ADO28726.1	upf0608 protein c19orf42
g42599.t1	XP_001333493.1	UPF0628 protein C10orf96
g12411.t1	NP_001257406.1	UPF0632 protein A
g56469.t1	ELK32536.1	UPF0639 protein
yu_Contig14849	XP_001920115.2	UPF0661 TPR repeat-containing protein C16D10.01c
cdna_clc_476377	ADO28059.1	upf0669 protein c6orf120
g23111.t1	XP_689433.4	UPF0687 protein C20orf27
g28206.t1	XP_004069875.1	UPF0691 protein C9orf116

g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
g39548.t1	NP_001093491.2	UPF0722 protein C11orf88
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein C1orf227
yu_Contig16581	NP_001187823.1	upf0739 protein c1orf74
cdna_vet_k79:94857	NP_001038883.1	UPF0740 protein C1orf192
g35986.t1	NP_001187816.1	upper zone of growth plate and cartilage matrix associated
qifan_comp125258_c0_seq1	NP_001186962.1	up-regulated during skeletal muscle growth protein 5
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g31757.t1	XP_004074941.1	uracil nucleotide/cysteinyl leukotriene receptor
g13373.t1	XP_004937023.1	uro-adherence factor A
g32414.t1	XP_003442715.1	urocortin-3
qifan_comp136235_c0_seq1	NP_001093533.1	uroplakin 3b
g56082.t1	NP_001035332.1	uroplakin-1a
g9124.t1	ACO13405.1	Uroporphyrinogen-III synthase
g31651.t1	XP_001921192.2	Usher syndrome type-1C protein-binding protein 1
g10356.t1	XP_697435.4	Usherin
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g4939.t1	NP_001189353.1	vacuolar ATPase assembly integral membrane protein vma21
g15756.t1	AAH63954.1	Vacuolar protein sorting 37A
g22537.t1	XP_003943078.1	vacuolar protein sorting-associated protein 13B
g36984.t1	NP_001074085.2	vacuolar protein sorting-associated protein 8
g13851.t1	BAM66237.1	vascular associated protein
g6587.t1	XP_002661307.2	vascular cell adhesion protein 1
g21559.t1	Q8AXB3.1	Vascular endothelial growth factor receptor kdr
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g36697.t1	XP_003961236.1	vesicle transport through interaction with t-SNAREs homolog 1A
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g21761.t1	NP_001233274.1	VIG-B319.A protein
g47244.t1	XP_003200663.1	vimentin
g31664.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g11263.t1	NP_001106991.1	voltage-dependent L-type calcium channel subunit beta-4
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g30214.t1	XP_003454581.1	voltage-gated potassium channel subunit beta-2
g10819.t1	XP_002942463.2	vomer nasal type-2 receptor 26
g16844.t1	NP_001074153.1	von Hippel-Lindau disease tumor suppressor
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g58366.t1	XP_696917.5	von Willebrand factor A domain-containing protein 5A
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g31085.t1	XP_003967234.1	WAP four-disulfide core domain protein 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g53305.t1	XP_003220290.1	WD repeat-containing protein 65
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g13481.t1	XP_695006.1	WD repeat-containing protein 67
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
alltrinity_comp165287_c1_seq1	XP_003199030.2	WD repeat-containing protein KIAA1875
g13202.t1	XP_001232879.3	Wilms tumor protein 1-interacting protein
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
g20578.t1	XP_003200650.1	XK-related protein 8
cdna_clc_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g24612.t1	NP_001165868.1	xylosyltransferase 1
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
g49847.t1	AAH96958.1	Zgc:101566 protein
g12818.t1	AAI67442.1	Zgc:110585 protein
g26825.t1	AAI55809.1	Zgc:110694 protein
g39117.t1	CAP71952.1	zgc:112341
g28651.t1	AAH91871.1	Zgc:112945
qifan_comp175963_c0_seq1	XP_005162501.1	zgc:112994
g9.t1	AAI42906.1	Zgc:123178 protein
qifan_comp138472_c0_seq3	AAI22237.1	Zgc:153317 protein
g10677.t1	AAH90183.1	Zgc:158151 protein
g22092.t1	AAI24676.1	Zgc:161969 protein
g31544.t1	AAI24720.1	Zgc:162344 protein
g38680.t1	AAI34162.1	Zgc:162945 protein

g30312.t1	AAI15112.1	Zgc:165430 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
g7547.t1	AAI34182.1	Zgc:194021 protein
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g10895.t1	XP_699124.4	zinc finger and BTB domain-containing protein 46
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
yu_Contig14874	XP_003200465.2	zinc finger B-box domain-containing protein 1
g10490.t1	XP_002943251.2	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
103_ccaa	AHH38010.1	Zinc finger CCHC domain-containing protein 10
g38044.t1	XP_004564673.1	zinc finger CCHC domain-containing protein 14
g33739.t1	XP_693211.3	zinc finger CCHC domain-containing protein 2
g9597.t1	XP_001332542.4	zinc finger CCHC domain-containing protein 7
alltrinity_comp218527_c0_seq1	XP_004030872.1	zinc finger cdgsh-type domain protein
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
g15258.t1	XP_004082409.1	zinc finger FYVE domain-containing protein 19
g49034.t1	NP_001071086.1	zinc finger HIT domain-containing protein 2
g37907.t1	XP_004080457.1	zinc finger MIZ domain-containing protein 1
g33738.t1	XP_003391482.1	zinc finger MYM-type protein 1
g34116.t1	ADO27939.1	zinc finger mynd domain-containing protein 12
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
qifan_comp97580_c0_seq1	NP_001071004.1	zinc finger protein 185 (LIM domain)
g43453.t1	XP_001340263.3	zinc finger protein 192
g53020.t1	XP_004569526.1	zinc finger protein 235
g56.t1	XP_698650.1	zinc finger protein 251
g11962.t1	ELK38750.1	Zinc finger protein 300
g26503.t1	XP_001342735.1	zinc finger protein 350
g25102.t1	Q6PBT9	Zinc finger protein 385B
g24285.t1	NP_001073499.1	zinc finger protein 423
blue_Contig43726.1_14553	XP_005168114.1	zinc finger protein 45
g51980.t1	Q96JG9	Zinc finger protein 469
g54018.t1	XP_693857.3	zinc finger protein 536
g48769.t1	NP_001038383.2	zinc finger protein 704
g47156.t1	XP_004796106.1	zinc finger protein 706
g40252.t1	XP_003455943.1	zinc finger protein 729
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g21066.t1	O60290	Zinc finger protein 862
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g10976.t1	NP_001034613.1	zinc finger protein, multitype 2b
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g24832.t1	NP_001171405.1	zinc finger transcription factor Trps1
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g54687.t1	AGE89832.1	znf219
g17673.t1	XP_004457235.1	zonadhesin
g55891.t1	ACM16033.1	zwillig B

Supplemental table 32. Catfish specific genes compared to tilapia

id	access number	Description
skin_comp69563_c0_seq1	NP_955887.1	26S proteasome complex subunit DSS1
g36720.t1	NP_001002428.1	39S ribosomal protein L43, mitochondrial
qifan_comp246044_c0_seq1	XP_001343422.1	3-dehydroquinate synthase, chloroplatic
g22464.t1	ACN09954.1	40S ribosomal protein S28
g34256.t1	B0V2S2.1	5' exonuclease Apollo
g31022.t1	NP_001187216.1	60S ribosomal protein L35a
g51640.t1	PF00001.16	7tm_1
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g8104.t1	O13736	Actin cytoskeleton-regulatory complex protein sla1
g11256.t1	NP_001129716.1	actinodin4
g532.t1	NP_001104706.1	acyl-coenzyme A synthetase ACSM3, mitochondrial
g24652.t1	XP_004067711.1	adapter protein CIKS
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g16423.t1	Q25460	Adhesive plaque matrix protein
alltrinity_comp272650_c0_seq1	AAL54898.1	AF159543_1 transport protein Sec61 beta subunit
g12929.t1	P07898	Aggrecan core protein
g30133.t1	NP_001170923.1	agrin
g49471.t1	XP_003198954.1	a-kinase anchor protein 13
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g56679.t1	NP_998384.1	A-kinase anchor protein 8
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g45262.t1	NP_956407.1	alkylidihydroxyacetonephosphate synthase, peroxisomal
g11868.t1	NP_001003855.1	alpha-(1,6)-fucosyltransferase
g29883.t1	BAA95444.1	alpha/beta hydroxylase
g56940.t1	NP_001117688.1	alpha-2,8-polysialyltransferase IV
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g871.t1	BAF93906.1	amylopullulanase
g55434.t1	AAM09278.1	androgen receptor
g45776.t1	XP_004541796.1	androglobin
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g16560.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
yu_Contig25459	ACI15894.1	apolipoprotein C-I
qifan_comp131209_c0_seq1	XP_691110.1	apolipoprotein C-II
g9775.t1	P23529	Apolipoprotein E
100_ccaa	AHH38366.1	Apolipoprotein M
g12007.t1	BAA00422.1	apoplysialoglycoprotein
alltrinity_comp174163_c0_seq1	NP_001187845.1	apoptosis regulatory protein siva
g15581.t1	NP_998112.1	arginine/serine-rich coiled-coil 1
g26351.t1	AAH96813.1	Arl15b protein
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g47300.t1	XP_004074397.1	AT-hook DNA-binding motif-containing protein 1
skin_comp69054_c0_seq1	NP_612130.1	ATP synthase F0 subunit 6
395_ccaa	AAL93226.1	ATP synthase F0 subunit 8
g25622.t1	NP_001187544.1	ATP synthase-coupling factor 6, mitochondrial
g55643.t1	XP_002661161.1	ATPase SWSAP1
g30268.t1	NP_001188332.1	ATPase, H+ transporting, lysosomal accessory protein 1
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g38946.t1	NP_001038332.1	ATR-interacting protein
g36573.t1	XP_003199661.1	autism susceptibility gene 2 protein
g36065.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
alltrinity_comp155303_c0_seq1	NP_001188371.1	avidin
yu_Contig12861	XP_005943909.1	AVIToxin-VAR2
cdna_cic_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g47984.t1	XP_003900038.1	band 4.1-like protein 4A
g25932.t1	XP_003200724.1	barttin
g34960.t1	AAI39712.1	Bat5l protein
g10579.t1	XP_001919171.2	b-cell receptor CD22
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g45968.t1	EHB16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g48803.t1	NP_001002046.1	BET1

qifan_comp181481_c0_seq1	AGZ03658.1	beta-defensin 3
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
yu_Contig5668	ABI18126.1	Bid
qifan_comp144751_c0_seq3	XP_004561102.1	bifunctional protein GImU
g15575.t1	EPQ11548.1	Bile salt-activated lipase
pac_pacbio_411268917_3/9_906	Q90WT7.1	Bladder cancer-associated protein
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g53754.t1	NP_001189355.1	borealin-2
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	Q1RM09	Brain acid soluble protein 1
alltrinity_comp193548_c1_seq3	XP_003200739.1	brain and acute leukemia cytoplasmic protein
g58064.t1	PF13882.1	Bravo_FIGEY
g34133.t1	NP_001107092.1	breast cancer anti-estrogen resistance protein 3
g52644.t1	XP_004707051.1	breast carcinoma-amplified sequence 3
g44361.t1	XP_693134.1	bromo adjacent homology domain-containing 1 protein
g3472.t1	XP_709068.4	BTB/POZ domain-containing protein 16
g53505.t1	XP_004541039.1	BTB/POZ domain-containing protein KCTD8
g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
skin_comp25756_c0_seq2	ACI67098.1	C1orf31
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g25960.t1	NP_571156.2	cadherin-2
g21103.t1	CBV36645.1	CagY protein
g33756.t1	Q14123	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g3133.t1	XP_002939992.1	calcyphosin-2
g46964.t1	XP_708955.2	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g51258.t1	PF00619.16	CARD
g39960.t1	NP_001188490.1	cardiac phospholamban
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
skin_comp67844_c0_seq2	NP_001133297.1	Cation-dependent mannose-6-phosphate receptor
g42472.t1	NP_001134846.1	CB050 protein
g41827.t1	ABA54957.1	CC chemokine SCYA110
g42255.t1	ABA54958.1	CC chemokine SCYA111
346_ccaa	ABA54963.1	CC chemokine SCYA116
345_ccaa	ABA54965.1	CC chemokine SCYA118
182_ccaa	ABA54971.1	CC chemokine SCYA126
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
alltrinity_comp193621_c4_seq1	XP_005159829.1	CD164 sialomucin-like 2 protein
qifan_comp131987_c0_seq2	XP_005172686.1	CD209 antigen-like protein C
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
g812.t1	XP_003977471.1	CDC42 small effector protein 2
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g36730.t1	XP_003199680.1	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g47529.t1	XP_001919236.3	centriolin
g39933.t1	Q5BQN8	Centromere protein J
qifan_comp152646_c2_seq3	Q1LV50.1	Centromere protein P
qifan_comp151822_c7_seq3	XP_001335405.3	centromere protein U
yu_Contig20690	XP_709181.2	centromere protein W
g39961.t1	XP_003986560.1	centrosomal protein 85kDa
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g20086.t1	NP_001082943.1	ceramide kinase-like protein
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g10206.t1	NP_001098184.1	cGMP-dependent protein kinase I alpha
		Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g2844.t1	2HT1_A	Chain L, Cocaine Hydrolytic Antibody 15a10
g4950.t1	1N9J_L	chemokine
g4046.t1	AAQ01587.1	chloroquine resistance marker protein
g33507.t1	AAK49448.1	chondroitin sulfate proteoglycan 4
g1038.t1	XP_004916553.1	chromosomal protein D1
g44608.t1	XP_706416.1	chromosome 4 open reading frame 32
skin_comp59912_c0_seq2	NP_001018611.1	c-Jun-amino-terminal kinase-interacting protein 3
alltrinity_comp199220_c1_seq1	XP_005798921.1	

g36807.t1	NP_001188491.1	coiled-coil domain containing 57
g23706.t1	NP_001002753.1	coiled-coil domain-containing protein 103
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g50817.t1	NP_001002710.1	coiled-coil domain-containing protein 149-B
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
qifan_comp145183_c0_seq5	XP_001341200.4	coiled-coil domain-containing protein 17
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
yu_Contig3450	NP_001039310.1	coiled-coil domain-containing protein 34
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g32320.t1	XP_003217001.1	coiled-coil domain-containing protein 65
g2377.t1	XP_004658323.1	coiled-coil domain-containing protein 81
g25150.t1	NP_956116.1	coiled-coil domain-containing protein 82
g40624.t1	XP_004763581.1	coiled-coil domain-containing protein 83
g52593.t1	XP_004543850.1	coiled-coil domain-containing protein 92
g47496.t1	XP_001333116.1	coiled-coil domain-containing protein 97
g43982.t1	XP_003200359.1	coiled-coil domain-containing protein C6orf97
skin_comp42217_c0_seq1	NP_001187882.1	coiled-coil-helix-coiled-coil-helix domain-containing protein 7
g34272.t1	NP_001187666.1	colipase
g10144.t1	PF01391.13	Collagen
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g57796.t1	XP_004554551.1	collagen alpha-1(XXV) chain
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g18963.t1	XP_004820658.1	colorectal mutant cancer protein
yu_k50:2938043	NP_001092229.1	complex III assembly factor LYRM7
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
59_ccaa	ADO28627.1	copper transport protein atox1
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g22608.t1	AAA85106.1	cortical granule protein with LDL-receptor-like repeats
g51109.t1	Q9PTS1	Corticosteroid
g30778.t1	NP_001002614.1	COX assembly mitochondrial protein 2
g53064.t1	NP_001017594.1	COX16 cytochrome c oxidase assembly
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g14948.t1	XP_003978668.1	CST complex subunit CTC1
g35146.t1	BAI67116.1	C-type natriuretic peptide-3
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
151_ccaa	AAX40737.1	CXCL14
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
skin_comp63954_c0_seq2	XP_006640296.1	cyclin-dependent kinase 2-associated protein 1
qifan_comp204621_c0_seq1	XP_003977614.1	cyclin-dependent kinase 2-associated protein 2
g44200.t1	AAI62591.1	Cysteine rich transmembrane BMP regulator 1 (chordin like)
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
116_ccaa	ABB86552.1	cytochrome b
g25517.t1	ADO28916.1	cytochrome b-c1 complex subunit 8
57_ccaa	ADO28717.1	cytochrome b-c1 complex subunit 9
qifan_comp69228_c0_seq1	NP_001108388.2	cytochrome c oxidase assembly factor 3, mitochondrial
g38995.t1	XP_004547670.1	cytochrome c oxidase assembly protein COX14
g26613.t1	XP_685495.1	cytochrome c oxidase subunit 8A, mitochondrial
qifan_comp153672_c0_seq1	YP_006460072.1	cytochrome c oxidase subunit II
qifan_comp94331_c0_seq1	NP_612131.1	cytochrome c oxidase subunit III
g57428.t1	XP_004078676.1	cytochrome oxidase assembly protein 1
g21709.t1	NP_001119903.1	cytoskeleton-associated protein 2
g8392.t1	XP_692458.2	cytospin-A
g37299.t1	XP_003197783.1	DBF4-type zinc finger-containing protein 2
g47088.t1	NP_001076310.1	DBIRD complex subunit ZNF326
g34660.t1	XP_683798.2	DC-STAMP domain-containing protein 1
g30928.t1	PF13358.1	DDE_3
g51051.t1	NP_571647.1	death-associated protein 1
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g12745.t1	XP_003968835.1	delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial
g20849.t1	XP_689212.5	DENN domain-containing protein 1A
g22472.t1	XP_003978398.1	DENN domain-containing protein 1C
g35763.t1	XP_003201798.1	dentin sialophosphoprotein
g54945.t1	XP_002662598.2	deoxyribonucleotidyltransferase terminal-interacting protein 1
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
g23643.t1	EMP37316.1	Dexamethasone-induced protein like protein
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g33667.t1	XP_003197865.1	disks large homolog 1

g57152.t1	XP_004658347.1	disks large homolog 2
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
yu_Contig2489	XP_005161311.1	DNA damage-induced apoptosis suppressor protein
g8062.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g35938.t1	XP_002937585.2	DNA helicase B
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g50305.t1	XP_686065.4	DNA polymerase sigma
g43474.t1	NP_001243129.1	DNA polymerase subunit delta-4
g26279.t1	XP_002663552.1	DNA repair protein SWI5
skin_comp54766_c0_seq2	NP_001188185.1	DNA-directed RNA polymerase I subunit rpa12
g52695.t1	XP_001332164.1	DNA-directed RNA polymerase I subunit RPA43
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g25840.t1	XP_003974116.1	DNA-directed RNA polymerase, mitochondrial
g31402.t1	XP_003582892.1	DNL-type zinc finger protein
88_ccaa	AHH39735.1	Dolichol phosphate-mannose biosynthesis regulatory protein
378_ccaa	ADO28725.1	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 4
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g19950.t1	ELW48268.1	Dynein heavy chain
g23082.t1	XP_002666734.2	dynein heavy chain 5, axonemal
g1156.t1	XP_004642888.1	dynein heavy chain 6, axonemal
g23099.t1	EMP33916.1	Dynein heavy chain 8, axonemal
yu_Contig17208	XP_005464930.1	dynein heavy chain domain-containing protein 1
g42831.t1	XP_002664120.2	dystonin
g56136.t1	AAI62536.1	Dzip1 protein
g40849.t1	XP_004079877.1	E3 ubiquitin-protein ligase CCNB1IP1
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g25458.t1	XP_683428.1	E3 ubiquitin-protein ligase RNF4
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g3928.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g26237.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
g19209.t1	NP_001017812.1	EF-hand calcium-binding domain-containing protein 11
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
alltrinity_comp200599_c0_seq4	XP_006633160.1	EF-hand calcium-binding domain-containing protein 6
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g27683.t1	XP_001922506.1	ensconsin
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g32849.t1	ABB52638.1	envelope polyprotein
g10915.t1	XP_002660956.2	enzymatic polyprotein
skin_comp60129_c0_seq2	XP_005168018.1	epithelial-stromal interaction protein 1
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g12959.t1	NP_001187003.1	estrogen receptor
g40461.t1	ACO08967.1	Eukaryotic translation initiation factor 3 subunit 3
g40462.t1	EDM16283.1	eukaryotic translation initiation factor 3 subunit 3 gamma
g18410.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g24050.t1	NP_998628.1	eukaryotic translation initiation factor 3 subunit C
g24847.t1	ACM09059.1	Eukaryotic translation initiation factor 3 subunit H
g17153.t1	NP_001104627.1	Ewing tumor-associated antigen 1
g17725.t1	XP_004913233.1	extensin
g29336.t1	NP_001187899.1	fam107a
g34357.t1	PF02106.10	Fanconi_C
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
g58004.t1	YP_123587.1	FimV protein
g11778.t1	CAP08943.1	fish virus induced TRIM protein
g42043.t1	ACI69960.1	FLJ25371
alltrinity_comp177831_c2_seq1	XP_005474143.1	flocculation protein FLO11
g39710.t1	A1X158	Foot protein 1 variant 1
g54810.t1	ACJ36222.1	forkhead box P1b
qifan_comp133841_c0_seq1	XP_001332860.3	FOS-like antigen 1b
g20767.t1	XP_003974564.1	frataxin, mitochondrial
qifan_comp146158_c0_seq1	NP_001188353.1	FXYD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
blue_Contig67003.1_3908	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g43782.t1	XP_002133577.1	GA22973

g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
qifan_comp52895_c0_seq1	XP_005163007.1	galaxin
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide
g52458.t1	PF07699.8	GCC2_GCC3
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g36489.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
alltrinity_comp206413_c0_seq6	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
skin_comp42119_c0_seq1	NP_001134169.1	glutaredoxin-like protein YDR286C
g43899.t1	EGW05055.1	Glycoprotein hormones alpha chain
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g9082.t1	NP_001032450.1	glypican-1
g27664.t1	XP_688014.3	glypican-3
g3034.t1	YP_302666.1	gp140
g7096.t1	XP_003968187.1	G-protein coupled receptor 64
g47755.t1	XP_004544019.1	GRAM domain-containing protein 1B
g24953.t1	ACI33817.1	GTPase IMAP family member 4
g28342.t1	XP_003974756.1	guanine nucleotide-binding protein subunit beta-like protein 1
g2397.t1	NP_001002343.1	guanylate binding protein 1
g26899.t1	EHB09859.1	Guanylate cyclase soluble subunit beta-2
g29914.t1	ELW69465.1	HBS1-like protein
g50196.t1	NP_001070204.2	HBV PreS1-transactivated protein 3
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g22011.t1	EAW51470.1	hCG2042692
g34662.t1	ABD77534.1	HDCME31P
qifan_comp151162_c1_seq11	NP_001187867.1	heat shock factor binding protein 1
g51751.t1	Q4G112	Heat shock factor protein 5
g11214.t1	ELK31439.1	Heat shock factor-binding protein 1
g28544.t1	AAH33020.1	Heat shock transcription factor family member 5
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g40525.t1	NP_001188323.1	hepcidin
alltrinity_comp190625_c1_seq6	XP_005457724.1	HERV-H LTR-associating protein 1
skin_comp69465_c0_seq1	NP_001007312.1	high mobility group nucleosome-binding domain-containing protein 3
g22679.t1	AAQ97790.1	HIRA interacting protein 5
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g42912.t1	P06350	Histone H1
g23517.t1	XP_690894.2	histone H3.v1
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g45177.t1	ACO07533.1	Hypothetical 18.4 kDa protein in SIS2-MTD1 intergenic region
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g19491.t1	EOB02515.1	hypothetical protein Anapl_05179
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g16051.t1	XP_001895429.1	hypothetical protein Bm1_19870
pac_pacbio_409879891_1/8_1448	DAA15291.1	hypothetical protein BOS_23236
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g11401.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684

g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g20276.t1	XP_002589297.1	hypothetical protein BRAFLDRAFT_97380
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g30789.t1	NP_349888.1	hypothetical protein CA_C3294
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g16058.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g7223.t1	ELT96916.1	hypothetical protein CAPTEDRAFT_203287
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
pac_pacbio_409519191_7/248_795	ELT94797.1	hypothetical protein CAPTEDRAFT_208381
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
blue_Contig12210.1_15852	EPY75105.1	hypothetical protein CB1_001793015
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654
g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g18870.t1	GAA54259.1	hypothetical protein CLF_113084
g21052.t1	XP_002614835.1	hypothetical protein CLUG_04850
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g58340.t1	EFX78008.1	hypothetical protein DAPPUDRAFT_105663
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
YY_jcf4847460	EFN69835.1	hypothetical protein EAG_11453
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g718.t1	EHH19738.1	hypothetical protein EGK_02455
g50907.t1	EHH58911.1	hypothetical protein EGM_08878
g33522.t1	AAI62585.1	Hypothetical protein FUJ20272
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
pac_pacbio_412375902_2/3_3533	EHB04114.1	hypothetical protein GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20507.t1	EGV93220.1	hypothetical protein I79_002209
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g26906.t1	EHH64573.1	hypothetical protein KGM_05799
g11127.t1	EHH73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
yu_Contig27080	ETE61988.1	hypothetical protein L345_12259

g43774.t1	NP_965614.1	hypothetical protein LJ0641
g33241.t1	NP_965518.1	hypothetical protein LJ1711
g20457.t1	XP_001340940.4	hypothetical protein LOC100000814
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g20883.t1	XP_001341328.4	hypothetical protein LOC100001306
g22195.t1	XP_001341343.3	hypothetical protein LOC100001321
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g29531.t1	XP_003199650.1	hypothetical protein LOC100034383
g14297.t1	XP_003198339.1	hypothetical protein LOC100034534
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g34645.t1	XP_001921828.1	hypothetical protein LOC100150296
g19796.t1	XP_001920901.2	hypothetical protein LOC100150454
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g15168.t1	XP_003197996.1	hypothetical protein LOC100322182
g52958.t1	XP_002666775.2	hypothetical protein LOC100329326
g31988.t1	XP_002664361.1	hypothetical protein LOC100329833
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g21958.t1	XP_002664136.2	hypothetical protein LOC100330539
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g17427.t1	XP_002660724.2	hypothetical protein LOC100330837
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g25655.t1	XP_002664349.2	hypothetical protein LOC100331351
g54372.t1	XP_002663377.2	hypothetical protein LOC100331483
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g51277.t1	XP_002660968.2	hypothetical protein LOC100332407
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g4608.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g36969.t1	XP_002914422.1	hypothetical protein LOC100466797
g28815.t1	XP_003125217.2	hypothetical protein LOC100524556
g44178.t1	XP_003200418.1	hypothetical protein LOC100534701
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g17271.t1	XP_003199106.1	hypothetical protein LOC100534929
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g3116.t1	XP_003199773.1	hypothetical protein LOC100535494
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g19724.t1	XP_003201317.1	hypothetical protein LOC100535501
g29386.t1	XP_003199526.1	hypothetical protein LOC100535567
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g28564.t1	XP_003198618.1	hypothetical protein LOC100535945
g10502.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g18154.t1	XP_003200310.1	hypothetical protein LOC100536514
g23318.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g16515.t1	XP_003198458.1	hypothetical protein LOC100536930
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189

g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g22727.t1	XP_003200253.1	hypothetical protein LOC100537945
g12081.t1	XP_003198218.1	hypothetical protein LOC100538074
g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g42091.t1	XP_003200014.1	hypothetical protein LOC100538298
g14845.t1	XP_003199561.1	hypothetical protein LOC100538314
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
alltrinity_comp381973_c0_seq1	XP_003230335.1	hypothetical protein LOC100551644
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g18564.t1	XP_003412484.1	hypothetical protein LOC100659919
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g27182.t1	XP_003200393.1	hypothetical protein LOC449979
g11708.t1	XP_002663454.2	hypothetical protein LOC450004
g30255.t1	XP_002666522.1	hypothetical protein LOC53431
g25289.t1	XP_001920913.1	hypothetical protein LOC53492
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g30513.t1	XP_685048.4	hypothetical protein LOC557000
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g19746.t1	XP_686125.4	hypothetical protein LOC557879
g23340.t1	XP_686142.1	hypothetical protein LOC557896
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g21159.t1	XP_689501.2	hypothetical protein LOC561010
g30998.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g54587.t1	XP_691803.3	hypothetical protein LOC563347
g40833.t1	XP_692201.3	hypothetical protein LOC563749
g49802.t1	XP_692699.3	hypothetical protein LOC564263
g38420.t1	XP_693013.1	hypothetical protein LOC564590
g30653.t1	XP_693095.2	hypothetical protein LOC564674
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g19675.t1	XP_696152.4	hypothetical protein LOC567758
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g23349.t1	XP_697161.2	hypothetical protein LOC568721
g40614.t1	XP_697364.2	hypothetical protein LOC568911
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g53599.t1	XP_697757.3	hypothetical protein LOC569287
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g51226.t1	XP_698369.3	hypothetical protein LOC569866
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g34835.t1	XP_698030.5	hypothetical protein LOC573741
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g57140.t1	XP_001333219.1	hypothetical protein LOC793455
g31759.t1	XP_001921853.2	hypothetical protein LOC794266
g35106.t1	XP_003199182.1	hypothetical protein LOC794533
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g18453.t1	XP_001339505.3	hypothetical protein LOC799116
g31791.t1	XP_001921144.1	hypothetical protein LOC799340
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g20879.t1	ELR51638.1	hypothetical protein M91_02900
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021

g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g4689.t1	XP_001619485.1	hypothetical protein NEMVEDRAFT_v1g3281
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
blue_Contig24375.1_15225	EFB19264.1	hypothetical protein PANDA_012508
g42457.t1	YP_660931.1	hypothetical protein PatI_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PscPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g3830.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPADADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPADADRAFT_49639
pac_pacbio_409695269_4/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390
pac_pacbio_410081394_1/33_2347	EFA11959.1	hypothetical protein TcasGA2_TC005046
g21223.t1	EE297438.1	hypothetical protein TcasGA2_TC011269
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g16287.t1	EMP24362.1	hypothetical protein UY3_18600
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
pac_pacbio_410817480_1/4_1450	AFM85458.1	hypothetical protein_1_n
g42534.t1	PF06140.8	Ifi-6-16
g37243.t1	AFV08803.1	IFNc
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g4190.t1	XP_001921732.1	IgGfc-binding protein
g48544.t1	PF02372.10	IL15
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g16935.t1	P02976	Immunoglobulin G-binding protein A
g1746.t1	AAA82596.1	immunoglobulin light chain F class
g51417.t1	ACS94421.1	immunoglobulin light chain III variable region
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g47800.t1	XP_689709.3	immunoglobulin superfamily member 5
g53357.t1	Q7Z5P9	Mucin-19
g44853.t1	XP_004001365.1	inactive serine/threonine-protein kinase PLK5
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g35958.t1	NP_001187263.1	interferon gamma
g40560.t1	NP_001184131.1	interferon lambda receptor 1
g2126.t1	NP_001187103.1	interferon-induced GTP-binding protein Mx1
g46865.t1	NP_001106978.1	interleukin 23 receptor
g35959.t1	NP_001018635.1	interleukin 26
g38699.t1	P43303	Interleukin-1 receptor type 2, membrane form
g21698.t1	BAI82584.1	interleukin-17N
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
g29127.t1	NP_976934.1	internalin
g43842.t1	B5XB1.1	Intraflagellar transport protein 43 A
g24054.t1	P07476	Involucrin
qifan_comp287994_c0_seq1	AAO65268.1	iodothyronine deiodinase type I Deio1

g30719.t1	EMP37633.1	IQ domain-containing protein G
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g48835.t1	NP_001187572.1	jagunal-like 1b
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g377.t1	XP_004548673.1	kazrin
g56644.t1	XP_005027243.1	kelch-like protein 10
g26089.t1	XP_003971629.1	kelch-like protein 29
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
ncbimrna_375790490	XP_005164234.1	keratin-associated protein 9-2
g11313.t1	XP_004541321.1	keratinocyte-associated protein 2
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
cdna_clc_556451	XP_001923648.1	kinetochore-associated protein DSN1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g19173.t1	XP_001565787.1	kinetoplast-associated protein
alltrinity_comp186238_c0_seq6	AHH83757.1	kisspeptin
g38122.t1	NP_957113.1	Kv channel interacting protein 3a, calsenilin
g12473.t1	AAAL35359.2	lambda-recombinase-like protein
g56413.t1	XP_696560.3	la-related protein 1
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g15807.t1	XP_002733056.1	latrophilin 2
g29830.t1	NP_999924.1	legumain
ncbimrna_375733073	XP_002664890.1	lens epithelial cell protein LEP503
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
cdna_clc_375670	NP_001108187.1	leucine zipper protein 2
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g30718.t1	XP_003200463.1	leucine-rich repeat and calponin homology domain-containing protein 3
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g53936.t1	E7FE13.1	Leucine-rich repeat-containing G-protein coupled receptor 4
g23458.t1	XP_004668243.1	leucine-rich repeat-containing protein 1
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g46882.t1	XP_001333128.4	leucine-rich repeat-containing protein 19
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g17866.t1	NP_001186852.1	leucine-rich repeat-containing protein KIAA1731
g24646.t1	XP_001923860.1	leukemia NUP98 fusion partner 1
g8669.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g42072.t1	XP_003970702.1	LIM domain-binding protein 2
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g31812.t1	NP_001135036.1	LisH domain-containing protein C16orf63
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g49653.t1	AAI57669.1	LOC100135362 protein
g39925.t1	AAH88826.1	LOC496308 protein
g10211.t1	AAH91901.1	LOC553343 protein
qifan_comp228097_c0_seq1	AAI25887.1	LOC565118 protein
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
g27533.t1	NP_001092246.1	LRP2-binding protein
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060	LWamide I
g45470.t1	Q25060.1	LWamide neuropeptides
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g31219.t1	XP_004571179.1	lymphocyte antigen 75
qifan_comp136968_c0_seq4	XP_005162535.1	lymphocyte antigen 86
g200.t1	AFS18273.1	lymphoid-restricted membrane protein maternal long form
g20755.t1	NP_001002506.1	LYR motif containing protein 1
86_ccaa	AHH39989.1	LYR motif-containing protein 2
qifan_comp183686_c0_seq1	NP_001157713.1	LYR motif-containing protein 4
cdna_clc_280752	NP_001187277.1	lyr motif-containing protein 4a
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
alltrinity_comp203211_c7_seq1	XP_687135.1	lysine-rich nucleolar protein 1
g34501.t1	XP_001342688.2	lysosome-associated membrane glycoprotein 1
g42143.t1	NP_001187748.1	lysozyme g
g34376.t1	NP_997902.1	macrophage expressed 1
g17708.t1	ACI67278.1	Magnesium-dependent phosphatase 1
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g32591.t1	XP_001200906.2	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
yu_k63:1574095	XP_005168547.1	MANSC domain-containing protein 1
g51530.t1	A6NHS7	MANSC domain-containing protein 4
g7676.t1	PF05672.6	MAP7
g37873.t1	ADO28019.1	marvel domain-containing protein 1

g15185.t1	XP_002735800.1	matriptase
g2368.t1	EDL40247.1	mCG1047287
g53361.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g6285.t1	EDL08828.1	mCG145114
g18370.t1	EDL20200.1	mCG145728
g40659.t1	PF05669.7	Med31
g57145.t1	NP_001187819.1	mediator of RNA polymerase II transcription subunit 11
g9224.t1	A5WUL3.1	Mediator of RNA polymerase II transcription subunit 22
g38628.t1	NP_001187551.1	mediator of RNA polymerase II transcription subunit 31
g22251.t1	XP_002667479.1	mediator of RNA polymerase II transcription subunit 9
g35810.t1	NP_001187889.1	meiosis expressed gene 1 protein
g31479.t1	Q16655	Melanoma antigen recognized by T-cells 1
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3
g43218.t1	XP_003198596.1	membrane-spanning 4-domains subfamily A member 4A
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentin
g1960.t1	XP_001345613.4	mesothelin-like protein
g45068.t1	NP_001140067.1	metalloprotease C21orf57
g14285.t1	Q7ZVV9	Methionine aminopeptidase 1
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
skin_comp38699_c0_seq1	NP_001187928.1	mitochondrial 39S ribosomal protein l13
32_ccaa	ADO29386.1	mitochondrial 39S ribosomal protein l33
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g38582.t1	ADO28791.1	mitochondrial cytochrome c oxidase subunit 7b
54_ccaa	ADO28786.1	mitochondrial import receptor subunit tom5-like protein
qifan_comp135083_c0_seq1	XP_005166159.1	mitochondrial import receptor subunit TOM6
g49904.t1	ADO27726.1	mitochondrial inner membrane protease subunit 2
g45885.t1	NP_001188137.1	mitochondrial NADH dehydrogenase (ubiquinone) flavoprotein 2
g39280.t1	ADO28373.1	mitochondrial NADH dehydrogenase 1 beta subcomplex subunit 2
g31224.t1	XP_699710.2	mitochondrial sodium/hydrogen exchanger 9B2
g49.t1	ADO28842.1	mitochondrial succinate dehydrogenase cytochrome b560 subunit
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
g56946.t1	NP_956446.1	mRNA-decapping enzyme 2
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g28794.t1	XP_694616.4	multimerin 2
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g10778.t1	XP_003200233.1	myb-related transcription factor, partner of profilin
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g11215.t1	XP_004589604.1	myosin-9
g32838.t1	ELW47456.1	Myosin-XVI
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
qifan_comp176263_c0_seq1	XP_005167665.1	NADH dehydrogenase
g31660.t1	NP_001188222.1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 11
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
skin_comp65695_c0_seq1	XP_003200818.1	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1
qifan_comp168279_c0_seq1	ACI67693.1	NADH dehydrogenase flavoprotein 3, mitochondrial
qifan_comp153915_c0_seq1	YP_004285840.1	NADH dehydrogenase subunit 1
qifan_comp68083_c0_seq1	YP_006576309.1	NADH dehydrogenase subunit 2
159_ccaa	AAL93229.1	NADH dehydrogenase subunit 3
qifan_comp67460_c0_seq1	YP_006460078.1	NADH dehydrogenase subunit 4
158_ccaa	AAL93230.1	NADH dehydrogenase subunit 4L
blue_Contig49564.1_24714	NP_612135.1	NADH dehydrogenase subunit 5
g44139.t1	XP_004540716.1	NADP-dependent oxidoreductase domain-containing protein 1
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g39069.t1	ADO27823.1	natterin
42_ccaa	ADO29084.1	nef1
g31860.t1	XP_001919922.1	nestin

g1123.t1	XP_002732318.1	neurogenic locus notch homolog protein 2
cdna_abv_k21:3524473	ACJ64069.1	neuromedin s
g54933.t1	XP_004547602.1	neuron navigator 1
g34554.t1	Q8IVL0	Neuron navigator 3
g40728.t1	XP_003198998.1	neurosecretory protein VGF
g58119.t1	NP_001018093.2	NFU1 iron-sulfur cluster scaffold
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein
g32476.t1	NP_001187110.1	nonspecific cytotoxic cell cationic anti-microbial protein-1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g39052.t1	CAQ14853.1	novel protein similar to human ring finger protein 123
yu_k65:1467070	CAE17634.2	novel protein similar to human telomerase-associated protein 1
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g34233.t1	CAQ14846.1	novel protein similar to vertebrate nuclear transcription factor Y, alpha
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g49781.t1	XP_004913681.1	nuclear mitotic apparatus protein 1
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
qifan_comp194356_c0_seq1	NP_001038792.1	nuclear receptor 2C2-associated protein
g13558.t1	XP_005026871.1	nuclear transcription factor Y subunit alpha
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g22043.t1	XP_002664363.2	nucleolin 2
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g24711.t1	AEB77809.1	olfactory receptor family C subfamily 4 member 5
g7877.t1	PF13568.1	OMP_b-brl_2
g39958.t1	NP_001184137.1	oocyte-specific F-box protein
g32723.t1	XP_725227.1	ookinete protein
g42491.t1	NP_001139092.1	opa interacting protein 5
g22847.t1	ABD75623.1	orf1ab polyprotein
g11628.t1	NP_997836.1	origin recognition complex subunit 6
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40611.t1	AFK08734.1	oxidation resistance protein 2 variant B
alltrinity_comp198007_c1_seq1	XP_001335873.1	oxidoreductase-like domain-containing protein 1
alltrinity_comp168207_c0_seq3	XP_002661521.1	P2X purinoceptor 7
g38684.t1	NP_001187405.1	p8 mtcp-1
g24747.t1	XP_001919624.3	paired box protein Pax-3
g53603.t1	NP_001140094.1	Pancreatic secretory trypsin inhibitor
g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g34625.t1	NP_001082955.1	para-hydroxybenzoate--polyprenyltransferase, mitochondrial
g41819.t1	P15743	Parathyroid hormone
cdna_vet_k47:719640	NP_998114.1	parathyroid hormone 1b
g16363.t1	XP_004084142.1	parathyroid hormone-related protein
g45118.t1	XP_004086996.1	partitioning defective 3
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
qifan_comp141489_c0_seq6	XP_003457707.1	PC-esterase domain-containing protein 1A
g51623.t1	Q6AZL2	PCNA-associated factor
g25369.t1	XP_003198698.1	PDZ domain-containing protein 2
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g57646.t1	XP_694358.2	pentraxin-related protein PTX3
g11064.t1	YP_001107629.1	PE-PGRS family protein
g41612.t1	NP_001018437.1	peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
alltrinity_comp196894_c0_seq3	XP_006639454.1	peroxisomal membrane protein 4
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g10840.t1	NP_001187936.1	phosphatidylethanolamine N-methyltransferase
g49164.t1	XP_003758117.1	phosphatidylethanolamine-binding protein 4
g40666.t1	NP_956006.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit P
g14316.t1	ELK34419.1	Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit alpha
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
qifan_comp67057_c0_seq1	ACN09856.1	Phospholemman

g14035.t1	XP_689138.5	phospholipase B1, membrane-associated
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g15799.t1	XP_004067526.1	phosphorylase b kinase regulatory subunit beta
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g33861.t1	NP_001187793.1	pleckstrin-like protein domain-containing family j member 1
alltrinity_comp202269_c0_seq11	XP_005156395.1	pleckstrin domain-containing family 5 member 1
g50680.t1	XP_004086701.1	plectin
g40062.t1	XP_003410187.1	plexin-A2
g26973.t1	ABB20703.1	PlpE
g11332.t1	BAK19070.1	PL-toxin I
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g11561.t1	Q9NQS3	Poliovirus receptor-related protein 3
g11723.t1	BAC82609.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
cdna_FD377287.1	NP_001082838.1	polycomb group RING finger protein 6
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g11531.t1	XP_694060.5	polycystin-1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g10438.t1	P12027	Polysialoglycoprotein
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g9576.t1	XP_004557932.1	potassium voltage-gated channel subfamily E member 2
g37002.t1	ASA3EO	POTE ankyrin domain family member F
g32182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein
blue_Contig73650.1_5861	XP_001785031.1	predicted protein_11_n
pac_pacbio_410237555_1/0_1773	XP_001638309.1	predicted protein_2_n
g10474.t1	NP_001188225.1	prefoldin subunit 5
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g3526.t1	EGW05636.1	Prestalk protein
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g26844.t1	Q8IZF6	Probable G-protein coupled receptor 112
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g35117.t1	XP_004554139.1	probable G-protein coupled receptor 160
g1569.t1	XP_001342529.1	probable G-protein coupled receptor 88
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g48651.t1	ACO09716.1	Probable mitochondrial import receptor subunit TOM7
51_ccaa	ADO28809.1	probable protein brick1
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g15798.t1	AAG47643.1	progastricin
g35724.t1	ABD33839.1	prolactin-releasing peptide C-RFamide
g57823.t1	ACY24366.1	proliferator-activated receptor gamma coactivator 1 alpha
g10404.t1	XP_004566478.1	proline and serine-rich protein 2
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
qifan_comp148759_c1_seq6	XP_695751.4	proline-rich protein 11
g27019.t1	XP_004478809.1	proline-rich protein 2
g38522.t1	XP_004556894.1	proline-rich protein 7
g42380.t1	XP_004913118.1	proline-rich transmembrane protein 4
g56975.t1	NP_001264015.1	pro-neuregulin-1, membrane-bound
g36654.t1	XP_004567565.1	pro-neuregulin-3, membrane-bound
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
g46034.t1	XP_689903.3	prostacyclin receptor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g14010.t1	NP_001187773.1	proteasome assembly chaperone 2
skin_comp68430_c1_seq1	NP_001187636.1	proteasome assembly chaperone 4
g21232.t1	NP_001153456.1	protein AF1q
g34961.t1	NP_001104648.1	protein BAT5
g6406.t1	XP_005020051.1	protein BEAN1
g51653.t1	I6V1W0	Protein brambleberry
g27449.t1	XP_002667478.1	protein C9orf69
g32493.t1	XP_003973424.1	protein DD11 homolog 2
g20822.t1	XP_003206010.1	protein Dok-7
g21734.t1	XP_697727.4	protein ELYS
g13530.t1	XP_701271.4	protein FAM124B
g37307.t1	XP_686612.5	protein FAM161A
g44148.t1	XP_697894.2	protein FAM161B
g13922.t1	NP_001076489.2	protein FAM166B
g47603.t1	Q7T297.2	Protein FAM172A
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g57503.t1	XP_004542702.1	protein FAM194A

g48523.t1	XP_004545492.1	protein FAM196B
g6892.t1	ELW61426.1	Protein Filla
g13785.t1	XP_003504247.1	protein IWS1
g9944.t1	NP_001005774.1	protein jagunal homolog 1-A
102_ccaa	AHH38063.1	Protein JTB
g10115.t1	Q1LVC2	Protein Jumonji
g18816.t1	EFN65215.1	Protein KIAA1881
g40004.t1	NP_001116417.1	protein kinase (cAMP-dependent, catalytic) inhibitor beta
g14847.t1	XP_003766334.1	protein kinase C zeta type
qifan_comp145378_c0_seq2	NP_001071264.1	protein lin-52
g25812.t1	NP_001091717.1	protein MEF2BNB
g13014.t1	XP_004084629.1	protein NLRC3
g11758.t1	XP_002259357.1	protein phosphatase
alltrinity_comp202628_c4_seq1	XP_005797030.1	protein phosphatase 1 regulatory subunit 1A
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g35880.t1	XP_001921217.3	protein piccolo
skin_comp86116_c0_seq1	XP_005162407.1	protein pitchfork
g35372.t1	XP_698190.5	protein PRR14L
qifan_comp135681_c0_seq1	NP_001034197.1	protein ripply1
yu_k52:17550	NP_001034199.2	protein ripply3
g11311.t1	XP_698471.1	protein S100-A1
g14308.t1	P18583	Protein SON
225_ccaa	AHH42861.1	Protein starmaker
g44009.t1	NP_001245157.1	protein TALPID3
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g3754.t1	XP_678204.1	p-type ATPase
alltrinity_comp135649_c0_seq1	XP_006627932.1	Purkinje cell protein 4
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g46536.t1	XP_002938980.2	putative defense protein 3
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g26061.t1	AAL35358.1	putative GAG protein
blue_Contig74137.1_6994	XP_005295324.1	putative golgin subfamily A member 6C
g41470.t1	XP_004915698.1	putative golgin subfamily A member 6-like protein 8
g8091.t1	WP_005630155.1	putative hep/Hag
qifan_comp126468_c0_seq2	XP_005451792.1	putative interleukin-17 receptor E
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	QSHY64	Putative protein FAM47C
qifan_comp35262_c0_seq1	XP_001923521.1	putative protein TPRXL
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
g35968.t1	XP_003198324.1	putative uncharacterized protein C12orf63
g4477.t1	XP_002935235.2	putative uncharacterized protein CXorf58
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g3398.t1	PF02749.11	QRPTase_N
g8023.t1	XP_690294.1	R3H domain and coiled-coil containing 1
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g39483.t1	O54880	Rab effector Noc2
g41753.t1	XP_001923878.2	rab15 effector protein
qifan_comp288907_c0_seq1	XP_005160464.1	RAD51 paralog B
g39836.t1	NP_001133673.1	RAD51-associated protein 1
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
qifan_comp149128_c0_seq1	XP_006633899.1	ras association domain-containing protein 5
g22605.t1	XP_004574467.1	ras guanyl-releasing protein 3
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g4918.t1	ELW67957.1	Receptor-type tyrosine-protein phosphatase R
qifan_comp63515_c0_seq1	XP_001344817.1	regulator of cell cycle RGCC
g27348.t1	O54829	Regulator of G-protein signaling 7
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g90.t1	DAA01285.1	replicase/helicase/endonuclease
g1345.t1	WP_001453088.1	replication-associated protein A
g49661.t1	NP_001187815.1	retinoblastoma binding protein 9
g28283.t1	Q9W5Z3.1	Retinoic acid receptor alpha
g26575.t1	XP_002739124.1	RETRotransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g33856.t1	XP_004566454.1	retrotransposon-derived protein PEG10
pac_pacbio_410446628_1/14_8409	AAL35360.1	reverse transcriptase/ribonuclease H/putative methyltransferase
g8377.t1	XP_004552665.1	rho GTPase-activating protein 6
g12595.t1	XP_420693.3	rho GTPase-activating protein 7
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33

g2713.t1	XP_687404.2	rho guanine nucleotide exchange factor 4
skin_comp65253_c0_seq3	XP_001344100.3	rhomboid domain-containing protein 2
qifan_comp169441_c0_seq1	NP_001018528.1	ribonuclease P protein subunit p14
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
cdna_clc_368253	NP_001082954.1	ribosome binding factor A
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
46_ccaa	ADO28905.1	ria domain-containing protein c1orf230
g54222.t1	XP_002662988.1	RING finger protein 166
g14749.t1	EMC80488.1	RING finger protein 213
g32254.t1	CAJ83349.1	RING1 and YY1 binding protein
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g17022.t1	Q8IXT5	RNA-binding protein 12B
qifan_comp145360_c0_seq5	XP_005167635.1	RNA-binding protein 44
yu_Contig28954	XP_005943327.1	RNMT-activating mini protein
g48238.t1	XP_004571181.1	rootletin
pac_pacbio_409846677_2/23_1287	EUB55374.1	rRNA promoter binding protein
g52285.t1	PF00078.22	RVT_1
yu_Contig12595	NP_957050.1	RWD domain-containing protein 3
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
g250.t1	PF02023.12	SCAN
g50982.t1	EMP27478.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g25061.t1	NP_001245158.1	selectin P ligand
g42097.t1	XP_003970379.1	selenoprotein H
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g17452.t1	NP_001004294.4	selenoprotein N
g55918.t1	NP_919398.1	selenoprotein W, 2a
g55919.t1	NP_919399.3	selenoprotein W, 2b
qifan_comp136843_c0_seq3	NP_001165083.1	serglycin
g37032.t1	XP_003976101.1	serine hydrolase protein
g50818.t1	XP_004564406.1	serine/arginine repetitive matrix protein 1
g6633.t1	EMP25055.1	Serine/arginine repetitive matrix protein 2
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g14471.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g14597.t1	XP_004552509.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g47643.t1	NP_001103754.1	serologically defined colon cancer antigen 3
alltrinity_comp205847_c0_seq1	XP_005157012.1	SERTA domain-containing protein 4
qifan_comp143170_c0_seq3	BAA36700.1	serum amyloid A protein
qifan_comp150202_c4_seq12	XP_001332805.2	SET domain-containing protein 9
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g39173.t1	XP_004547528.1	SH2 domain-containing protein 5
g14649.t1	XP_004075685.1	SH2B adapter protein 2
g49841.t1	NP_001121819.1	SH3 and multiple ankyrin repeat domains 2
g43353.t1	NP_945332.2	shadow of prion protein
g15389.t1	Q6POR8	Shootin-1
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12
qifan_comp255491_c0_seq1	XP_003200891.1	si:ch211-191j22.3
qifan_comp150838_c0_seq11	XP_694355.3	si:ch211-199g17.9
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1_seq2	XP_003197657.2	si:ch211-235f1.3
qifan_comp140750_c0_seq1	NP_001265527.1	si:ch73-127m5.2
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12l12.1
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_seq2	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_seq6	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp63543_c0_seq2	XP_689978.6	si:dkey-3b8.4
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
ncbimrna_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
qifan_comp121918_c0_seq1	NP_001038256.1	sialomucin core protein 24
g32808.t1	XP_698593.4	sickle tail protein
qifan_comp123126_c0_seq1	NP_001028274.1	signal peptidase complex subunit 1
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a

g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g22493.t1	XP_001813277.1	similar to polyprotein
g16286.t1	Q6G9P5	Single-pass membrane and coiled-coil domain-containing protein 4
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g56366.t1	AAK30342.1	SJCHGC03036 protein
g38390.t1	AAW24907.1	SJCHGC06398 protein
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g4607.t1	XP_002666547.1	small cell adhesion glycoprotein
qifan_comp132148_c0_seq1	XP_003437706.1	small EDRK-rich factor 2
g47221.t1	NP_001013546.1	small integral membrane protein 12
skin_comp67519_c0_seq1	NP_991165.1	small integral membrane protein 14
qifan_comp64305_c0_seq1	XP_002663002.1	small integral membrane protein 20
g39179.t1	ADO28363.1	small nuclear ribonucleoprotein e
39_ccaa	ADO29221.1	small subunit of serine palmitoyltransferase a
g51818.t1	Q3U2P4	Small VCP/p97-interacting protein
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor O2A10
g11231.t1	NP_001139828.1	SNARE-associated protein Snapin
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g26571.t1	ACA52542.1	soluble adenylyl cyclase
g29958.t1	NP_001038896.1	somatostatin 3
g30041.t1	NP_001122256.1	somatostatin 6
g11222.t1	NP_001008643.1	SOSS complex subunit B2
g10967.t1	XP_003200394.1	SPARC protein 1
g6033.t1	XP_004541517.1	speriolin protein
g17458.t1	P53353	Sperm acrosomal protein FSA-ACR.1
g28664.t1	NP_956821.1	sperm flagellar protein 1
qifan_comp140522_c0_seq6	NP_956706.1	spermatogenesis associated 6
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g986.t1	NP_001133843.1	Spermatogenesis-associated protein 2
alltrinity_comp196913_c0_seq4	XP_005166899.1	spermatogenesis-associated protein 6
cdna_aby_k21:3497806	XP_003200342.2	spermatogenesis-associated protein 7
g29959.t1	NP_957328.2	spermidine synthase
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g12513.t1	AAI15223.1	Ssfa2 protein
g47377.t1	NP_001165106.1	stannin
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g44215.t1	XP_001921905.3	stAR-related lipid transfer protein 9
g15561.t1	EMS57593.1	Stellacyanin
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
g36178.t1	AGM53488.1	Stra8
g53340.t1	EGW14341.1	Stress protein DDR48
g45370.t1	Q5REZ1	Stress-associated endoplasmic reticulum protein 1
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g26563.t1	XP_699397.4	structural maintenance of chromosomes flexible hinge domain-containing protein 1
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
qifan_comp132190_c0_seq1	XP_005171436.1	succinate dehydrogenase cytochrome b560 subunit, mitochondrial
alltrinity_comp181296_c1_seq3	XP_006780653.1	suppressor APC domain-containing protein 2
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g1399.t1	XP_001338522.1	synapse differentiation-inducing gene protein 1
g49566.t1	XP_003758412.1	synaptic vesicle membrane protein VAT-1
g55620.t1	NP_001018339.1	synaptonemal complex central element protein 2
qifan_comp72641_c0_seq1	XP_685048.5	synaptonemal complex protein 2
g42529.t1	EMP23826.1	Synaptotagmin-16
g43048.t1	XP_691385.2	synaptotagmin-6
g29875.t1	EMP27825.1	Syncollin
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
pac_pacbio_412220450_1/5_6196	XP_002663453.2	taste receptor type 2 member 10
g19338.t1	XP_003972309.1	tau-tubulin kinase 1
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g31788.t1	NP_001038484.1	TCDD-inducible poly [ADP-ribose] polymerase
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
136_ccaa	AAR06175.1	T-cell receptor alpha
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
g23808.t1	XP_004712901.1	T-cell surface glycoprotein CD3 epsilon chain
g41375.t1	NP_001154179.1	TCF3 fusion partner
g56562.t1	AAD56899.1	TCR beta variable region
g13142.t1	XP_002660903.2	telomerase protein component 1

g106.t1	XP_002663657.2	telomerase-binding protein EST1A
g34751.t1	XP_004541587.1	tenascin
g18472.t1	XP_691552.5	teneurin-1
g7496.t1	XP_003782017.1	teneurin-2
g7378.t1	NP_571043.1	teneurin-3
g48080.t1	G7NV55	Testis- and ovary-specific PAZ domain-containing protein 1
g19828.t1	XP_692960.1	testis development-related protein
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
g15949.t1	XP_003894403.1	testis-expressed sequence 264 protein
qifan_comp140589_c0_seq1	XP_694825.1	testis-expressed sequence 36 protein
g22952.t1	XP_004558088.1	tetraspanin-4
g31076.t1	XP_004568326.1	tetraspanin-9
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g37104.t1	XP_787826.3	tetratricopeptide repeat protein 27
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g51313.t1	NP_001133227.1	thiamine-triphosphatase
g52304.t1	Q6DBT3	Thioredoxin domain-containing protein 17
g3217.t1	XP_688162.3	thread biopolymer filament subunit alpha
g14191.t1	NP_001137225.1	thrombopoietin
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
qifan_comp142415_c0_seq1	NP_001124169.1	thymosin, beta 4 x
g12839.t1	XP_003199748.1	thyroid adenoma-associated protein
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g25093.t1	XP_001923800.1	titin
g40536.t1	XP_001340554.4	T-lymphocyte surface antigen Ly-9
qifan_comp244077_c0_seq1	NP_001092733.1	TM2 domain-containing protein 1
g35633.t1	ABE99697.1	TNF receptor associated factor 1
g22210.t1	ADN37682.1	TNXB
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
g42505.t1	XP_004081941.1	TRAF family member-associated NF-kappa-B activator
qifan_comp109714_c0_seq1	NP_001002427.1	transcription and mRNA export factor ENY2
qifan_comp124652_c0_seq2	XP_005173278.1	transcription cofactor vestigial-like protein 1
g28545.t1	NP_001002509.1	transcription elongation factor SPT4
g35606.t1	A4QNR3	Transcription factor IIB 50 kDa subunit
g21852.t1	Q5RCU4	Transcription factor SOX-6
g24621.t1	XP_004678511.1	transcription factor TFIIB component B
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g3667.t1	WP_020235084.1	transcriptional regulator
g22449.t1	XP_001341061.1	transcriptional regulator ATRX
g48699.t1	NP_899192.1	transient receptor potential cation channel, subfamily N, member 1
g1005.t1	XP_004599305.1	translation initiation factor IF-2
g6303.t1	NP_001093570.1	translin-associated factor X-interacting protein 1
g30130.t1	ACD93412.1	transmembrane agrin
g34177.t1	Q5IOH4	Transmembrane and coiled-coil domains protein 1
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g18753.t1	NP_001158714.1	Transmembrane gamma-carboxylglutamic acid protein 2
yu_Contig8404	XP_687791.1	transmembrane protein 107
g42139.t1	XP_003199940.1	transmembrane protein 109
180_ccaa	ABD83932.1	Transmembrane protein 116
g25062.t1	XP_687955.1	transmembrane protein 119
g43487.t1	XP_001341924.1	transmembrane protein 132D
g56916.t1	XP_001342667.2	transmembrane protein 150C
alltrinity_comp196143_c0_seq3	XP_005170961.1	transmembrane protein 154
skin_comp68976_c3_seq1	NP_001187956.1	transmembrane protein 167a
g33373.t1	XP_699489.3	transmembrane protein 173
yu_Contig19714	NP_001187637.1	transmembrane protein 18
yu_Contig4005	NP_001188006.1	transmembrane protein 192
yu_Contig29971	NP_956692.1	transmembrane protein 218
qifan_comp138158_c0_seq1	NP_001003594.1	transmembrane protein 223
qifan_comp121834_c0_seq1	Q5TZA3.1	Transmembrane protein 251
g5383.t1	XP_004549054.1	transmembrane protein 42
qifan_comp151994_c1_seq2	XP_005169458.1	transmembrane protein 44
yu_Contig3660	NP_001073512.1	transmembrane protein with metallophosphoesterase domain
g14377.t1	PF02994.9	Transposase_22
g1058.t1	XP_003198680.1	transposon TX1 uncharacterized 149 kDa protein
g2171.t1	XP_003201494.1	transposon TX1 uncharacterized 82 kDa protein
g20623.t1	BAA09333.1	trans-sialidase
g13314.t1	ACI14300.1	TREP
g24169.t1	XP_001341898.4	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g12338.t1	XP_001337498.2	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial
g38932.t1	NP_001070119.1	tRNA-splicing endonuclease subunit Sen2
g12869.t1	XP_001337104.1	tropomyosin-2
g32688.t1	NP_001189415.1	TTD non-photosensitive 1 protein
g10517.t1	P49816	Tuberin
alltrinity_comp194932_c3_seq1	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18

g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g30260.t1	XP_004554197.1	tumor necrosis factor receptor superfamily member 1A
g37238.t1	NP_001158515.1	type I interferon 4
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g7437.t1	NP_001243557.1	U3 small nucleolar RNA-associated protein 14 homolog A
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
skin_comp40209_c1_seq1	XP_005798844.1	ubiquitin protein ATG12
yu_Contig9805	NP_001017716.1	ubiquitin thioesterase OTU1
53_ccaa	ADO28792.1	ubiquitin-fold modifier 1
g39829.t1	EMP38492.1	UBX domain-containing protein 1
g4513.t1	PF00443.24	UCH
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
yu_k64:1538490	XP_002666317.2	uncharacterized LOC100331776
pac_pacbio_411174210_1/23_6106	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1_3617	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14_3371	XP_003198842.1	uncharacterized LOC100537199
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410032321_1/3_685	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
pac_pacbio_409754118_2/13_1631	XP_005163381.1	uncharacterized LOC101884547
alltrinity_comp179975_c0_seq3	XP_005167558.1	uncharacterized LOC101884636
454_FWM5MQA02FIOBE	XP_005160982.1	uncharacterized LOC101885928
ncbimrna_375923203	XP_005169161.1	uncharacterized LOC101886252
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
g27123.t1	XP_003199515.1	uncharacterized membrane protein C19orf24
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
pac_pacbio_411777655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
qifan_comp142062_c0_seq4	XP_706374.4	uncharacterized protein C11orf74
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g29878.t1	XP_001333267.1	uncharacterized protein C11orf87
g51673.t1	Q7Z7L8	Uncharacterized protein C11orf96
g26140.t1	XP_004542162.1	uncharacterized protein C14orf37
yu_Contig13439	XP_706561.2	uncharacterized protein C14orf80
g30683.t1	NP_001017774.1	uncharacterized protein C15orf26
g21042.t1	Q6ZR16	Uncharacterized protein C15orf39
g43875.t1	XP_004082527.1	uncharacterized protein C15orf41
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g43632.t1	XP_003198174.1	uncharacterized protein C17orf104
g55940.t1	NP_001188213.1	uncharacterized protein c17orf72
skin_comp59189_c0_seq1	ADO27781.1	uncharacterized protein c17orf89
g38594.t1	Q810M6	Uncharacterized protein C17orf97 homolog
g44222.t1	XP_004579712.1	uncharacterized protein C18orf63
g39113.t1	XP_001341090.2	uncharacterized protein C1orf158
454_FWM5MQA02JX9EO	NP_001188116.1	uncharacterized protein c1orf43
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
g6954.t1	E0B05541.1	Uncharacterized protein C21orf62
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
yu_Contig13118	XP_005155908.1	uncharacterized protein C3orf14
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g22357.t1	XP_003198771.1	uncharacterized protein C3orf30
g30279.t1	ADO28062.1	uncharacterized protein c6orf130
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g10146.t1	XP_690269.4	uncharacterized protein C7orf57
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
cdna_clc_274321	XP_002665172.1	uncharacterized protein C8orf74
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g11380.t1	NP_001187901.1	uncharacterized protein c9orf9
yu_Contig23821	XP_005614305.1	uncharacterized protein CXorf65
g33673.t1	XP_691812.1	uncharacterized protein DKFzp76211415
g52823.t1	XP_001344930.1	uncharacterized protein DKFzp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g17100.t1	NP_001138262.1	uncharacterized protein FLJ46082
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
skin_comp68504_c1_seq2	XP_005157900.1	uncharacterized protein KIAA0408
g3770.t1	O94854	Uncharacterized protein KIAA0754
g36818.t1	XP_001341226.3	uncharacterized protein KIAA1462

g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g12542.t1	XP_001335880.3	uncharacterized protein LOC100000241
g19233.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimrna_375941092	NP_001076411.1	uncharacterized protein LOC100001008
g30237.t1	XP_001341616.1	uncharacterized protein LOC100001663
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
g12149.t1	XP_001342555.1	uncharacterized protein LOC100002885
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
qifan_comp140870_c0_seq3	NP_001191302.1	uncharacterized protein LOC100003708
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g36302.t1	NP_001170934.1	uncharacterized protein LOC100004673
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
yu_Contig30206	NP_001129458.1	uncharacterized protein LOC100005931
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_seq17	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
g18950.t1	XP_001345583.3	uncharacterized protein LOC100007012
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
skin_comp46055_c0_seq1	NP_001092726.1	uncharacterized protein LOC100093702
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g30782.t1	NP_001121872.1	uncharacterized protein LOC100150067
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
g37022.t1	NP_001139181.1	uncharacterized protein LOC100151507
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g18968.t1	XP_002164995.1	uncharacterized protein LOC100201525
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
skin_comp67029_c0_seq1	XP_002666669.1	uncharacterized protein LOC100331646
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g2090.t1	XP_002944957.2	uncharacterized protein LOC100485520
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g34329.t1	XP_002933672.2	uncharacterized protein LOC100488716
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
g34964.t1	XP_003200192.1	uncharacterized protein LOC100534794
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein LOC100535981
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_seq6	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_seq1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp151014_c1_seq19	XP_005478722.1	uncharacterized protein LOC100699558
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061

g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g31877.t1	XP_003731413.1	uncharacterized protein LOC100889854
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
alltrinity_comp198706_c0_seq7	XP_003764008.1	uncharacterized protein LOC100929911
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g27756.t1	XP_003970298.1	uncharacterized protein LOC101065532
g14779.t1	XP_003978935.1	uncharacterized protein LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
g22804.t1	XP_003975018.1	uncharacterized protein LOC101072809
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g57787.t1	XP_004014158.1	uncharacterized protein LOC101103412
g11457.t1	XP_004082662.1	uncharacterized protein LOC101154992
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
g18825.t1	XP_004066138.1	uncharacterized protein LOC101156712
454_F04DT8S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g57447.t1	XP_004079385.1	uncharacterized protein LOC101158387
g57738.t1	XP_004080147.1	uncharacterized protein LOC101158890
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
g29042.t1	XP_004065851.1	uncharacterized protein LOC101160291
g11600.t1	XP_004085103.1	uncharacterized protein LOC101160622
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g29180.t1	XP_004069062.1	uncharacterized protein LOC101163073
g22383.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
pac_pacbio_409662298_1/13_2522	XP_004071132.1	uncharacterized protein LOC101166628
g25280.t1	XP_004072689.1	uncharacterized protein LOC101166636
g55617.t1	XP_004071892.1	uncharacterized protein LOC101166720
alltrinity_comp195567_c0_seq18	XP_004070025.1	uncharacterized protein LOC101168115
g21956.t1	XP_004077302.1	uncharacterized protein LOC101169137
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4_522	XP_004077468.1	uncharacterized protein LOC101169968
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g35078.t1	XP_004070830.1	uncharacterized protein LOC101170430
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g18108.t1	XP_004077618.1	uncharacterized protein LOC101171356
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g54688.t1	XP_004080040.1	uncharacterized protein LOC101171781
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g57510.t1	XP_004079033.1	uncharacterized protein LOC101174375
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28092.t1	XP_004072081.1	uncharacterized protein LOC101175166
g10717.t1	XP_004085080.1	uncharacterized protein LOC101175291
g33517.t1	XP_004209957.1	uncharacterized protein LOC101235972
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
pac_pacbio_409445368_2/49_1684	XP_004482538.1	uncharacterized protein LOC101444772
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
g24775.t1	XP_004572072.1	uncharacterized protein LOC101466125
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g50314.t1	XP_004573706.1	uncharacterized protein LOC101467081
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
g16808.t1	XP_004576354.1	uncharacterized protein LOC101468882
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486

g50938.t1	XP_004551941.1	uncharacterized protein LOC101470812
g8369.t1	XP_004553620.1	uncharacterized protein LOC101470917
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g37774.t1	XP_004572093.1	uncharacterized protein LOC101471263
g48991.t1	XP_004554542.1	uncharacterized protein LOC101471575
g15567.t1	XP_004545568.1	uncharacterized protein LOC101471829
g38329.t1	XP_004538287.1	uncharacterized protein LOC101472477
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
g18068.t1	XP_004568649.1	uncharacterized protein LOC101474086
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g55576.t1	XP_004560725.1	uncharacterized protein LOC101476555
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g44413.t1	XP_004551582.1	uncharacterized protein LOC101478960
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
pac_pacbio_410347379_1/15_4458	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
g45137.t1	XP_004571616.1	uncharacterized protein LOC101486766
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g50625.t1	XP_004578969.1	uncharacterized protein LOC101523014
g55550.t1	XP_004662904.1	uncharacterized protein LOC101613642
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g35800.t1	XP_004741959.1	uncharacterized protein LOC101671460
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g17220.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
g19631.t1	XP_004919678.1	uncharacterized protein LOC101733751
qifan_comp95407_c0_seq1	XP_004918303.1	uncharacterized protein LOC101734130
g29208.t1	XP_004913230.1	uncharacterized protein LOC101734441
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g47336.t1	XP_005022161.1	uncharacterized protein LOC101792521
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp152883_c0_seq11	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
ncbimrna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
alltrinity_comp210248_c1_seq6	XP_005161829.1	uncharacterized protein LOC101884337
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
blue_Contig2553.1_35943	XP_005167008.1	uncharacterized protein LOC101887094
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
qifan_comp145476_c1_seq19	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
pac_pacbio_412107500_1/0_3395	XP_005755885.1	uncharacterized protein LOC102213288
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp140032_c0_seq2	XP_005918455.1	uncharacterized protein LOC102312885
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4_seq4	XP_006637780.1	uncharacterized protein LOC102694700

pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein LOC102698607
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_410785629_6/1_569	XP_006984659.1	uncharacterized protein LOC102926326
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g52879.t1	NP_919241.1	uncharacterized protein LOC336832
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
g53943.t1	NP_001005307.1	uncharacterized protein LOC368688
g28662.t1	XP_002664218.1	uncharacterized protein LOC368914
g32426.t1	NP_991224.1	uncharacterized protein LOC402960
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
g23854.t1	NP_001014343.1	uncharacterized protein LOC541508
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
qifan_comp106260_c0_seq2	NP_001073426.1	uncharacterized protein LOC555281
g39957.t1	NP_001037797.1	uncharacterized protein LOC555399
alltrinity_comp209129_c0_seq1	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g43484.t1	NP_001139031.1	uncharacterized protein LOC555790
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
alltrinity_comp208335_c1_seq1	NP_001121707.1	uncharacterized protein LOC556245
g41211.t1	NP_001038267.2	uncharacterized protein LOC556372
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
g30515.t1	XP_685238.1	uncharacterized protein LOC557141
g21903.t1	XP_685328.3	uncharacterized protein LOC557223
alltrinity_comp168542_c0_seq1	NP_001116711.1	uncharacterized protein LOC557488
g19747.t1	NP_001188459.1	uncharacterized protein LOC557812
g40946.t1	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
g45140.t1	XP_686699.4	uncharacterized protein LOC558404
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
g39214.t1	XP_689123.2	uncharacterized protein LOC560634
qifan_comp153125_c1_seq8	NP_001104306.1	uncharacterized protein LOC561308
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
g34006.t1	NP_001038453.1	uncharacterized protein LOC562545
g28780.t1	XP_692038.1	uncharacterized protein LOC563583
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g43191.t1	XP_694702.1	uncharacterized protein LOC566338
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g25353.t1	NP_001093504.1	uncharacterized protein LOC567837
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g42132.t1	NP_001185793.1	uncharacterized protein LOC568697
g2494.t1	NP_001103295.1	uncharacterized protein LOC569067
g22090.t1	NP_001025404.1	uncharacterized protein LOC569178
g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g29942.t1	XP_698250.3	uncharacterized protein LOC569751
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g34312.t1	NP_001116786.1	uncharacterized protein LOC570575
g34577.t1	NP_001073522.1	uncharacterized protein LOC571389
alltrinity_comp201149_c1_seq2	NP_001038684.3	uncharacterized protein LOC571470
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g21446.t1	NP_001073526.1	uncharacterized protein LOC571919
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g49359.t1	NP_001032667.1	uncharacterized protein LOC641580
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g8283.t1	XP_001233307.2	uncharacterized protein LOC770729
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917

g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g21479.t1	XP_001332473.1	uncharacterized protein LOC792854
alltrinity_comp205951_c0_seq2	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g8416.t1	XP_001335286.1	uncharacterized protein LOC797003
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g57809.t1	NP_001076390.1	uncharacterized protein LOC797943
g12860.t1	XP_001334950.1	uncharacterized protein LOC798209
g44342.t1	NP_001122274.1	uncharacterized protein LOC798626
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g55533.t1	XP_001339640.2	uncharacterized protein LOC799264
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g46114.t1	XP_004566527.1	uncharacterized protein MJ0240
degen_deg7180003840307	XP_001624008.1	Uncharacterized protein ORF50
g7702.t1	O96185	Uncharacterized protein PFB0460c
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp170312_c0_seq1	XP_005168369.1	uncharacterized protein si:ch211-132g1.3
qifan_comp109977_c0_seq1	XP_005163949.1	uncharacterized protein si:ch211-139g16.8
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_seq1	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp145922_c0_seq1	XP_688820.1	uncharacterized protein si:ch211-194k22.8
cdna_aby_k27:2313056	XP_697032.3	uncharacterized protein si:ch211-213d14.2
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_seq2	XP_003199369.2	uncharacterized protein si:dkey-106i3.7
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-121i2.1
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/10_2225	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
pac_pacbio_410166675_1/1680_3019	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
skin_comp25099_c0_seq1	XP_005171537.1	uncharacterized protein si:dkeyp-68b7.10
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM
g23931.t1	Q96VW6	Uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
qifan_comp181544_c0_seq1	AAI33100.1	Unknown (protein for IMAGE:6523990)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g10046.t1	CAG10182.1	unnamed protein product
alltrinity_comp210374_c2_seq3	CAM60077.1	unnamed protein product
pac_pacbio_411251993_1/12_1808	CAG02552.1	unnamed protein product
alltrinity_comp184019_c0_seq1	CAF89529.1	unnamed protein product
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
pac_pacbio_411392801_1/0_2175	CAG06189.1	unnamed protein product
g57031.t1	XP_004075121.1	UPF0258 protein KIAA1024
qifan_comp95973_c0_seq1	NP_001035133.1	UPF0390 protein zgc136864
g46317.t1	NP_001098997.1	UPF0515 protein C19orf66
g36989.t1	NP_001119939.1	UPF0524 protein C3orf70 homolog A
g25503.t1	NP_001032483.1	UPF0544 protein C5orf45
yu_Contig6056	ADO28254.1	upf0545 protein c22orf39
yu_Contig20885	NP_001187461.1	upf0562 protein c7orf55
blue_Contig54312.1_2355	XP_006625942.1	UPF0573 protein C2orf70 A
g30930.t1	XP_004067470.1	UPF0583 protein C15orf59
g27604.t1	ADO27753.1	upf0602 protein c4orf47
56_ccaa	ADO28726.1	upf0608 protein c19orf42
g28206.t1	XP_004069875.1	UPF0691 protein C9orf116
qifan_comp44076_c0_seq1	NP_001035077.1	UPF0693 protein C10orf32
alltrinity_comp159642_c0_seq1	XP_003200769.1	UPF0732 protein C1orf227
cdna_vet_k79:94857	NP_001038883.1	UPF0740 protein C1orf192
qifan_comp125258_c0_seq1	NP_001186962.1	up-regulated during skeletal muscle growth protein 5
g13373.t1	XP_004937023.1	uro-adherence factor A
qifan_comp136235_c0_seq1	NP_001093533.1	uroplakin 3b
g56082.t1	NP_001035332.1	uroplakin-1a
g9124.t1	ACO13405.1	Uroporphyrinogen-III synthase
g31651.t1	XP_001921192.2	Usher syndrome type-1C protein-binding protein 1
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g36984.t1	NP_001074085.2	vacuolar protein sorting-associated protein 8
g13851.t1	BAM66237.1	vascular associated protein
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g31661.t1	XP_699560.1	vimentin-type intermediate filament-associated coiled-coil protein
g45179.t1	NP_001187485.1	voltage-dependent calcium channel gamma-like subunit
g9621.t1	XP_002937409.2	voltage-dependent R-type calcium channel subunit alpha-1E
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1

g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g14283.t1	XP_414917.4	von Willebrand factor A domain-containing protein 3A
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g27024.t1	ACJ65696.1	WAP1-like protein 1
g57616.t1	XP_002165234.2	WD repeat-containing protein 65
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g10956.t1	XP_695006.1	WD repeat-containing protein 67
g52622.t1	XP_002664681.1	WD repeat-containing protein 81
alltrinity_comp165287_c1_seq1	XP_003199030.2	WD repeat-containing protein KIAA1875
g35944.t1	AAH91959.1	Wnt inhibitory factor 1
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_seq7	XP_005157311.1	wu:fc26g07
g45386.t1	EMP34360.1	WW domain-binding protein 4
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
cdna_clc_279688	XP_005167522.1	XP_005167522.1
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
alltrinity_comp209288_c1_seq2	XP_005172886.1	Y element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
blue_Contig58089.1_7468	AAI52526.1	Zcchc71 protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
qifan_comp175963_c0_seq1	XP_005162501.1	zgc:112994
qifan_comp138472_c0_seq3	AAI22237.1	Zgc:153317 protein
g49639.t1	AAI24324.1	Zgc:153348
g10677.t1	AAH90183.1	Zgc:158151 protein
g7219.t1	AAH90678.1	Zgc:162509 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
454_FWM5MQA01C9OZT	AAH95239.1	Zgc:92753 protein
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
yu_Contig14874	XP_003200465.2	zinc finger B-box domain-containing protein 1
g20115.t1	XP_003390586.1	zinc finger BED domain-containing protein 1
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
alltrinity_comp218527_c0_seq1	XP_004030872.1	zinc finger cdgsh-type domain protein
g21099.t1	XP_004574482.1	zinc finger E-box-binding homeobox 2
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
g43453.t1	XP_001340263.3	zinc finger protein 192
g53020.t1	XP_004569526.1	zinc finger protein 235
g56.t1	XP_698650.1	zinc finger protein 251
g11962.t1	ELK38750.1	Zinc finger protein 300
g26503.t1	XP_001342735.1	zinc finger protein 350
g51980.t1	Q96JG9	Zinc finger protein 469
g48769.t1	NP_001038383.2	zinc finger protein 704
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g40217.t1	XP_003725582.1	zinc finger protein 862
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g11810.t1	XP_002663149.2	zinc finger protein GLIS1
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g9520.t1	XP_694698.3	zinc finger protein ZFAT
g23427.t1	NP_001093613.1	zinc finger SWIM domain-containing protein 2
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g12054.t1	NP_001076474.2	zinc finger with UFM1-specific peptidase domain
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g22005.t1	NP_001187614.1	zinc transporter zip11
g33466.t1	ELV12043.1	Zinc transporter ZIP5
g54687.t1	AGE89832.1	znf219
g17673.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwilling B

Supplemental table 33. Catfish specific genes compared to zebrafish

id	access number	Description
g2189.t1	XP_003963404.1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
g26104.t1	XP_003440845.1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1
g12914.t1	XP_004557572.1	5'(3')-deoxyribonucleotidase, mitochondrial
g29522.t1	ADO28770.1	60S ribosomal protein l27a
g51640.t1	PF00001.16	7tm_1
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g51607.t1	P59511	A disintegrin and metalloproteinase with thrombospondin motifs 20
g34556.t1	XP_001465588.1	A2 protein
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g39441.t1	Q5SSL4	Active breakpoint cluster region-related protein
g49652.t1	NP_001187460.1	acylphosphatase-2
g57802.t1	XP_003459114.1	ADAMTS-like protein 1
g10827.t1	XP_003258868.1	adenylate cyclase type 10
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g16423.t1	Q25460	Adhesive plaque matrix protein
g12929.t1	P07898	Aggrecan core protein
g8325.t1	NP_001133849.1	AIDB protein
g32485.t1	XP_004916936.1	A-kinase anchor protein 14
g56472.t1	XP_004559325.1	ALK tyrosine kinase receptor
g43205.t1	XP_004539321.1	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g871.t1	BAF93906.1	amylopullulanase
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g733.t1	XP_004070966.1	ankyrin repeat and SAM domain-containing protein 1A
g18468.t1	XP_004431570.1	ankyrin repeat and SOCS box protein 17
g24332.t1	XP_004083226.1	ankyrin repeat and sterile alpha motif domain-containing protein 1B
g13113.t1	ELK30876.1	Ankyrin-2
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g26918.t1	BAA00422.1	apopolysialoglycoprotein
g56166.t1	XP_004565640.1	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1
g33952.t1	XP_003228417.1	arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g35221.t1	XP_003455027.1	astroactin-2
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g6670.t1	XP_003457877.1	ATP-binding cassette sub-family F member 3
g21545.t1	XP_004073261.1	autophagy-related protein 2
cdna_clc_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g39150.t1	XP_004069077.1	band 4.1-like protein 1
g45968.t1	EHB16504.1	Beclin-1
g29095.t1	NP_001158744.1	Beta-2-glycoprotein 1
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp144751_c0_seq3	XP_004561102.1	bifunctional protein GlmU
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g40664.t1	XP_004076502.1	biotin-protein ligase
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g58064.t1	PF13882.1	Bravo_FIGEY
g46247.t1	P43573	Bud site selection protein 27
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g11029.t1	YP_007469404.1	Ca2+-binding protein, RTX toxin
g47647.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g21161.t1	CBV36645.1	CagY protein
g32029.t1	XP_002940297.2	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C
g12130.t1	XP_003976992.1	calcium-activated potassium channel subunit beta-4
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g11852.t1	WP_006729443.1	carbohydrate-binding protein
g51258.t1	PF00619.16	CARD
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g40689.t1	Q5F378	Cathelicidin-B1
g24401.t1	ELV12725.1	Cathepsin O
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
g27498.t1	XP_003459734.1	CD2-associated protein
172_ccaa	ACN96560.1	CD3 gamma/delta
g32270.t1	CAZ61325.1	CD34b1 molecule
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g11325.t1	XP_003443757.1	CDK5 regulatory subunit-associated protein 1-like 1
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g25618.t1	NP_001140135.1	Centromere protein Q

yu_Contig20690	XP_709181.2	centromere protein W
alltrinity_comp197052_c2_seq4	XP_005169029.1	centrosomal protein of 89 kDa
g23757.t1	XP_003458359.1	centrosomal protein of 95 kDa
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
pac_pacbio_410079617_1/22_1983	EMP39401.1	CGG triplet repeat-binding protein 1
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g1038.t1	XP_004916553.1	chondroitin sulfate proteoglycan 4
alltrinity_comp199220_c1_seq1	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g820.t1	EMC77153.1	Class A basic helix-loop-helix protein 9
g22146.t1	XP_004573943.1	c-Maf-inducing protein
cdna_clc_378603	XP_005946660.1	coagulation factor XI
g14512.t1	NP_001089412.1	coiled-coil domain containing 138
g10411.t1	EAW94200.1	coiled-coil domain containing 45
YY_jcf4149490	XP_004063274.1	coiled-coil domain-containing protein 117
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g20563.t1	EGW04001.1	Coiled-coil domain-containing protein 155
g34576.t1	XP_003924188.1	coiled-coil domain-containing protein 158
g41110.t1	XP_002738993.1	coiled-coil domain-containing protein 166
g51803.t1	Q3ULW6	Coiled-coil domain-containing protein 33
g11912.t1	XP_534700.2	coiled-coil domain-containing protein 60
g18730.t1	EMP35025.1	Coiled-coil domain-containing protein 81
g34272.t1	NP_001187666.1	colipase
g10144.t1	PF01391.13	Collagen
g12877.t1	XP_002193897.1	collagen alpha-1(XXVII) chain B
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g1862.t1	P25940	Collagen alpha-3(V) chain
g12718.t1	XP_003497695.1	collagen alpha-5(VI) chain
g1163.t1	XP_002798555.1	collagen protein 1
g53389.t1	XP_001518044.2	COMM domain-containing protein 10
g32356.t1	XP_004076492.1	complement factor B
g51471.t1	XP_003884546.1	conserved hypothetical protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g31007.t1	XP_003763660.1	craniofacial development protein 2
g21951.t1	XP_003457521.1	cullin-9
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
skin_comp59247_c0_seq1	XP_003451108.1	cysteine dioxygenase type 1
g48392.t1	XP_004082650.1	cysteine-rich motor neuron 1 protein
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
57_ccaa	ADO28717.1	cytochrome b-c1 complex subunit 9
g1060.t1	ADO28094.1	cytosolic 5'-nucleotidase III-like protein
g30928.t1	PF13358.1	DDE_3
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
alltrinity_comp200833_c0_seq1	XP_005804311.1	desmoplakin
g43883.t1	XP_003442885.1	diphthine--ammonia ligase
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g57152.t1	XP_004658347.1	disks large homolog 2
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g35688.t1	XP_004551997.1	dnaJ homolog subfamily C member 13
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g24777.t1	ELW51954.1	dTDP-D-glucose 4,6-dehydratase
g51992.t1	Q5RD73	Dual specificity protein phosphatase 3
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g19805.t1	NP_001187796.1	dynactin subunit 6
g38123.t1	P15305	Dynein heavy chain
g39402.t1	XP_003978902.1	dynein heavy chain 9, axonemal
g27934.t1	XP_003451169.1	E3 ubiquitin/ISG15 ligase TRIM25
g40849.t1	XP_004079877.1	E3 ubiquitin-protein ligase CCNB1IP1
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g28542.t1	XP_004076744.1	E3 ubiquitin-protein ligase RNF43
g26829.t1	A5WWA0	E3 ubiquitin-protein ligase ZNRF3
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5

g54341.t1	XP_003437922.1	EF-hand domain-containing protein KIAA0494
g11551.t1	PF09528.5	Ehrlichia_rpt
g11258.t1	CBN81153.1	Ellis-van Creveld syndrome protein
g43226.t1	XP_004538836.1	endonuclease V-like
g14807.t1	AAH94049.1	ENSMUSG00000076577 protein
g56953.t1	NP_001191483.1	enterin neuropeptides
g32849.t1	ABB52638.1	envelope polyprotein
g38391.t1	NP_990515.1	ephrin-A5
g48420.t1	Q69140	Epstein-Barr nuclear antigen 6
g48386.t1	XP_004540943.1	eukaryotic translation initiation factor 2-alpha kinase 4
g18410.t1	NP_001085285.1	eukaryotic translation initiation factor 3 subunit A
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g34357.t1	PF02106.10	Fanconi_C
g48240.t1	XP_004073102.1	F-box/LRR-repeat protein 12
g10305.t1	XP_004547220.1	F-box/LRR-repeat protein 17
138_ccaa	AAAN38001.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g54262.t1	XP_002169535.2	fibroblast growth factor receptor 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g815.t1	XP_004544827.1	fibronectin type-III domain-containing transmembrane protein C1orf233
g58004.t1	YP_123587.1	FimV protein
g34583.t1	XP_004575691.1	flavin reductase (NADPH)
g40209.t1	XP_004575319.1	flocculation protein FLO11
g33364.t1	ELW62064.1	Foot protein 1
g39605.t1	PF07078.6	FYTT
g32899.t1	O92815	Gag-Pol polyprotein
g37416.t1	CBN80957.1	Gag-protease
g52458.t1	PF07699.8	GCC2_GCC3
g4596.t1	A4IFA3	General transcription factor II-I repeat domain-containing protein 2
g36489.t1	XP_002934073.2	general transcription factor II-I repeat domain-containing protein 2A
g30788.t1	XP_004539451.1	genetic suppressor element 1
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
alltrinity_comp27190_c0_seq1	NP_756089.2	gluconate kinase 1
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
g2882.t1	WP_001271722.1	glutamine synthetase
g41195.t1	XP_004556497.1	glutamine-rich protein 2
g3034.t1	YP_302666.1	gp140
g5918.t1	XP_003965085.1	granulocyte colony-stimulating factor
g46526.t1	ELW72168.1	GRIP and coiled-coil domain-containing protein 2
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g26899.t1	EHB09859.1	Guanylate cyclase soluble subunit beta-2
g25722.t1	NP_001187735.1	guanylin
454_FWM5MQA01CCEIS	AAA93301.1	HAS1
g29914.t1	ELW69465.1	HBS1-like protein
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g49510.t1	XP_003972120.1	hemicentin-2
g1651.t1	NP_001187115.1	hemoglobin-beta
g40525.t1	NP_001188323.1	hepcidin
g30955.t1	XP_003441680.1	HHIP-like 1
pac_pacbio_411701930_1/88_1685	EHH64134.1	Histone acetyltransferase MYST3
g32570.t1	P53564	Homeobox protein cut-like 1
g22899.t1	PF13384.1	HTH_23
g26038.t1	PF01498.13	HTH_Tnp_Tc3_2
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g10797.t1	WP_019505193.1	hypothetical protein
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g17214.t1	XP_002594833.1	hypothetical protein BRAFLDRAFT_124431
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g11401.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g12074.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708

g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g28275.t1	EGT32644.1	hypothetical protein CAEBREN_29370
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g7223.t1	ELT96916.1	hypothetical protein CAPTEDRAFT_203287
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g45775.t1	XP_002636484.1	Hypothetical protein CBG23155
g10766.t1	XP_002648163.1	Hypothetical protein CBG24246
g4972.t1	XP_002648632.1	Hypothetical protein CBG24978
g50194.t1	YP_875591.1	hypothetical protein CENSya_0654
g25936.t1	EKC30449.1	hypothetical protein CGI_10010076
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g26742.t1	XP_003090924.1	hypothetical protein CRE_02700
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g11402.t1	EPQ05527.1	hypothetical protein D623_10002145
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g15266.t1	EHH14791.1	hypothetical protein EGK_00769
g23927.t1	EHH66759.1	hypothetical protein EGM_03809
g50907.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g13100.t1	EGW12357.1	hypothetical protein I79_025648
alltrinity_comp309464_c0_seq1	XP_004034767.1	hypothetical protein IMG5_114390
alltrinity_comp322771_c0_seq1	XP_004032487.1	hypothetical protein IMG5_121460
alltrinity_comp220407_c0_seq1	XP_004030402.1	hypothetical protein IMG5_161750
g26906.t1	EHH64573.1	hypothetical protein KGM_05799
g11127.t1	EHH73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
yu_Contig27080	ETE61988.1	hypothetical protein L345_12259
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g33992.t1	XP_001506039.2	hypothetical protein LOC100074424
g40756.t1	XP_003428493.1	hypothetical protein LOC100082022
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g28815.t1	XP_003125217.2	hypothetical protein LOC100524556

alltrinity_comp381973_c0_seq1	XP_003230335.1	hypothetical protein LOC100551644
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17_1147	XP_003389649.1	hypothetical protein LOC100641058
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g18519.t1	XP_003458266.1	hypothetical protein LOC100694457
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g29254.t1	XP_003441428.1	hypothetical protein LOC100698734
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g432.t1	XP_003451752.1	hypothetical protein LOC100700580
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g12768.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
pac_pacbio_411861709_2/3_6178	ESPO2324.1	hypothetical protein LOTGIDRAFT_138617
pac_pacbio_411362994_1/25_2027	ESO99223.1	hypothetical protein LOTGIDRAFT_173769
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
pac_pacbio_409627866_1/11_2225	ETN76104.1	hypothetical protein NECAME_11906
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g34794.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1_1299	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42755.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g22469.t1	ELK17682.1	hypothetical protein PAL_GLEAN10009430
g51018.t1	EFB22745.1	hypothetical protein PANDA_014984
g42457.t1	YP_660931.1	hypothetical protein Patl_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PsysPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g49496.t1	YP_001433281.1	hypothetical protein Rcas_3209
pac_pacbio_410181079_1/4_3600	EXX63943.1	hypothetical protein RirG_147560
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPADRAFT_152410
g37615.t1	EGW34610.1	hypothetical protein SPADRAFT_49639
pac_pacbio_409695269_4/1123_3074	EFA13373.1	hypothetical protein TcasGA2_TC001390
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMSS8462.1	hypothetical protein TRIUR3_26054

g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
g42534.t1	PF06140.8	Ifi-6-16
g11987.t1	PF13895.1	Ig_2
g52228.t1	P27951	IgA FC receptor
g23705.t1	XP_004567675.1	Ig-like V-type domain-containing protein FAM187A
g48544.t1	PF02372.10	IL15
g16935.t1	P02976	Immunoglobulin G-binding protein A
g12651.t1	XP_004554494.1	inactive ubiquitin carboxyl-terminal hydrolase 53
g13672.t1	PF04156.9	IncA
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g33863.t1	AER39749.1	inositol-3-phosphate synthase
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g39506.t1	XP_003455952.1	interferon-induced protein 44
g10161.t1	NP_001117827.1	interleukin-1 receptor type II
g21698.t1	BAI82584.1	interleukin-17N
qifan_comp127721_c0_seq1	XP_005165445.1	interleukin-8
g41324.t1	XP_003438645.1	interleukin-9 receptor
g29127.t1	NP_976934.1	internalin
alltrinity_comp196650_c0_seq5	XP_001334960.2	intracellular protein transport protein USO1
g24054.t1	P07476	Involucrin
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g5325.t1	XP_004077535.1	kelch domain-containing protein 3
g56644.t1	XP_005027243.1	kelch-like protein 10
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g54802.t1	Q9BYR4	Keratin-associated protein 4-3
g9539.t1	Q9R226	KH domain-containing, RNA-binding, signal transduction-associated protein 3
g21552.t1	XP_004544787.1	kinetochore-associated protein 1
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g15807.t1	XP_002733056.1	latrophilin 2
g46961.t1	AFO67946.1	leptin receptor
g29518.t1	Q6ZMV7	Leucine-, glutamate- and lysine-rich protein 1
g46216.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g39950.t1	EMP38634.1	Leucine-rich repeat-containing protein 15
g27191.t1	XP_004565203.1	leucine-rich repeat-containing protein 16A
g45984.t1	XP_005015209.1	leucine-rich repeat-containing protein 72
g39768.t1	XP_004554027.1	leucine-rich repeats and immunoglobulin-like domains protein 3
g8669.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g286.t1	XP_003967393.1	L-fucose kinase
g58055.t1	ADG29142.1	lily-type lectin
g30674.t1	XP_003449349.1	limbic system-associated membrane protein
g11259.t1	CBN81152.1	Limbin
alltrinity_comp205486_c0_seq2	AEA39737.1	linker for activation of T-cells family member 2
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g49311.t1	XP_003908116.1	lisH domain-containing protein ARMCS9
g10832.t1	XP_001373149.1	liver carboxylesterase 1
g49653.t1	AAI57669.1	LOC100135362 protein
g8585.t1	AAH80048.1	LOC446287 protein
g6105.t1	XP_780169.2	low-density lipoprotein receptor-related protein 1
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g7050.t1	XP_003441946.1	L-seryl-tRNA(Sec) kinase
alltrinity_comp225051_c0_seq1	XP_004029867.1	lupus brain antigen 1
g13507.t1	Q25060	LWamide I
g54194.t1	Q25060	LWamide I;status=Potential
g45470.t1	Q25060.1	LWamide neuropeptides
g4726.t1	Q8N2G4	Ly6/PLAUR domain-containing protein 1
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
qifan_comp130051_c0_seq1	XP_005157804.1	lymphocyte antigen 6D
g31219.t1	XP_004571179.1	lymphocyte antigen 75
g35010.t1	XP_002935877.2	lysosomal-trafficking regulator
g1124.t1	XP_004562544.1	major facilitator superfamily domain-containing protein 1
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g19432.t1	NP_001188075.1	malate dehydrogenase
g3700.t1	XP_004008357.1	maltase-glucoamylase, intestinal
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g51530.t1	A6NH57	MANSC domain-containing protein 4
g7676.t1	PF05672.6	MAP7
g15185.t1	XP_002735800.1	matriptase
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g18370.t1	EDL20200.1	mCG145728

g40659.t1	PF05669.7	Med31
g20886.t1	XP_004075231.1	mediator of RNA polymerase II transcription subunit 17
g29054.t1	XP_003972590.1	meiosis arrest female protein 1
g31479.t1	Q16655	Melanoma antigen recognized by T-cells 1
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g33696.t1	XP_004600126.1	membrane protein, palmitoylated 7
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
qifan_comp222623_c0_seq1	XP_005169236.1	mesenteric estrogen-dependent adipogenesis protein
g13053.t1	Q09165	Mesocentin
g14285.t1	Q7ZWV9	Methionine aminopeptidase 1
g35082.t1	XP_004070828.1	methyl-CpG-binding domain protein 4
g23527.t1	XP_003446635.1	methyl-CpG-binding domain protein 5
g27153.t1	AAD39870.1	MHC class II antigen
g17293.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g2492.t1	WP_001450027.1	minor spike protein H
32_ccaa	ADO29386.1	mitochondrial 39S ribosomal protein l33
g696.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g38582.t1	ADO28791.1	mitochondrial cytochrome c oxidase subunit 7b
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
g9882.t1	PF09812.4	MRP-L28
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g53357.t1	Q7Z5P9	Mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g16954.t1	XP_004547389.1	multicilin
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g53759.t1	XP_002931740.2	myosin light chain kinase 3
g11215.t1	XP_004589604.1	myosin-9
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g34582.t1	CBN80989.1	N-acyl ethanolamine-hydrolyzing acid amidase
g51046.t1	NP_001188111.1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 4
qifan_comp135194_c0_seq1	NP_001268977.1	NADH dehydrogenase (ubiquinone) 1 subunit C1, mitochondria
alltrinity_comp51011_c0_seq1	ETE71637.1	N-alpha-acetyltransferase 25, NatB auxiliary subunit
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g53490.t1	XP_003497875.1	nephrocystin-1
g34554.t1	Q8IVL0	Neuron navigator 3
g40703.t1	ACI33155.1	NHL repeat-containing protein 3
qifan_comp226303_c0_seq1	XP_003533945.1	nicotinate-nucleotide pyrophosphorylase [carboxylating], chloroplastic
alltrinity_comp330568_c0_seq1	XP_006036033.1	nmrA-like family domain-containing protein 1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
yu_k65:1467070	CAE17634.2	novel protein similar to human telomerase-associated protein 1
g48471.t1	XP_004082515.1	nuclear export mediator factor Nemf
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g7507.t1	XP_003460058.1	nuclear fragile X mental retardation-interacting protein 1
g3786.t1	XP_002907932.1	nuclear pore complex protein, putative
g35091.t1	XP_004084711.1	nucleolar complex protein 3
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
g7877.t1	PF13568.1	OMP_b-brl_2
g32723.t1	XP_725227.1	ookinete protein
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g40610.t1	Q4KMM3	Oxidation resistance protein 1
g29706.t1	AAH56084.1	P42pop protein
g14518.t1	NP_001187813.1	pancreatic triacylglycerol lipase
g3360.t1	Q3YV06	Pantothenate kinase
g12771.t1	ACO09629.1	Parkin
g18981.t1	XP_003360531.1	PAS domain-containing protein 1
g51623.t1	Q6AZL2	PCNA-associated factor
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g11064.t1	YP_001107629.1	PE-PGRS family protein
g4101.t1	BAM76489.1	pepsinogen
g53097.t1	XP_003977360.1	peptidase M20 domain-containing protein 2
g33263.t1	NP_001153996.1	peptidyl-prolyl cis-trans isomerase E
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g10055.t1	YP_007549235.1	Pertactin

g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
g46589.t1	XP_004542807.1	phosphatase and actin regulator 1
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g49166.t1	XP_003452689.1	phosphatidylethanolamine-binding protein 4
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
alltrinity_comp207497_c3_seq1	XP_003458741.1	placenta-specific protein 9
g31992.t1	NP_001133914.1	Plasma glutamate carboxypeptidase
g40062.t1	XP_003410187.1	plexin-A2
g44731.t1	XP_004553914.1	plexin-C1
g26973.t1	ABB20703.1	PlpE
g6857.t1	PF05287.7	PMG
g25963.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g11561.t1	Q9NQS3	Poliovirus receptor-related protein 3
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g10091.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g31265.t1	XP_004077091.1	polyribonucleotide nucleotidyltransferase 1, mitochondrial
g10438.t1	P12027	Polysialoglycoprotein
g53917.t1	XP_002711646.1	potassium channel tetramerisation domain containing 19
g9576.t1	XP_004557932.1	potassium voltage-gated channel subfamily E member 2
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g52345.t1	Q64693	POU domain class 2-associating factor 1
g32182.t1	WP_006288159.1	PPE-repeat protein
g10176.t1	XP_001631300.1	predicted protein
g3526.t1	EGW05636.1	Prestalk protein
g10195.t1	XP_003445636.1	probable E3 ubiquitin-protein ligase C12orf51
g10194.t1	XP_004544307.1	probable E3 ubiquitin-protein ligase HECTD4
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g11175.t1	XP_003968435.1	probable G-protein coupled receptor 149
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g48863.t1	XP_003450044.1	probable RNA-binding protein 20
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g15798.t1	AAG47643.1	progastricin
g10404.t1	XP_004566478.1	proline and serine-rich protein 2
g27019.t1	XP_004478809.1	proline-rich protein 2
g31275.t1	XP_003459204.1	prolyl-tRNA synthetase associated domain-containing protein 1
g56977.t1	XP_004564746.1	pro-neuregulin-1, membrane-bound
g30811.t1	XP_004069473.1	protection of telomeres protein 1
yu_Contig2026	XP_003200284.2	protein C8orf37
g41295.t1	XP_003438824.1	protein CCSMST1
g32493.t1	XP_003973424.1	protein DD11 homolog 2
g32948.t1	XP_003966598.1	protein downstream neighbor of son
g47609.t1	XP_004769955.1	protein FAM172A
g11424.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g34409.t1	XP_001096267.1	protein FAM190A
g57503.t1	XP_004542702.1	protein FAM194A
g39142.t1	XP_004068822.1	protein FAM212B
g6892.t1	ELW61426.1	Protein Filia
g10369.t1	XP_004557223.1	protein IMPACT
g23864.t1	XP_003504247.1	protein IWS1
g18816.t1	EFN65215.1	Protein KIAA1881
g13014.t1	XP_004084629.1	protein NLRC3
g11758.t1	XP_002259357.1	protein phosphatase
alltrinity_comp202628_c4_seq1	XP_005797030.1	protein phosphatase 1 regulatory subunit 1A
g14308.t1	P18583	Protein SON
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g11804.t1	XP_003359333.1	protocadherin-15
g3754.t1	XP_678204.1	p-type ATPase
g13829.t1	EMC83910.1	Putative aarF domain-containing protein kinase 1
g17298.t1	XP_004072462.1	putative acyl-CoA dehydrogenase AidB
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g26061.t1	AAL35358.1	putative GAG protein
g40322.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
g51622.t1	Q9BXT6	Putative helicase Mov10L1
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503

g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g48199.t1	XP_004545472.1	putative methyltransferase NSUN7
blue_Contig27158.1_16207	EMC83606.1	Putative proline-rich protein 21
g16238.t1	Q5HY64	Putative protein FAM47C
g19811.t1	XP_004066131.1	putative RNA exonuclease NEF-sp
XY_XY_ctg488300	CBL94163.1	putative RNA-directed DNA polymerase
alltrinity_comp390350_c0_seq1	XP_002489766.1	Putative sensor/transporter protein involved in cell wall biogenesis
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
alltrinity_comp194731_c0_seq3	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g3398.t1	PF02749.11	QRPTase_N
g39483.t1	O54880	Rab effector Noc2
g49845.t1	CBN81155.1	Rac GTPase-activating protein 1
g48646.t1	XP_004541575.1	rap guanine nucleotide exchange factor 5
g48249.t1	XP_003970616.1	ras-related protein Rab-28
qifan_comp130022_c0_seq2	XP_693604.5	receptor-transporting protein 2
g14844.t1	XP_003459480.1	receptor-type tyrosine-protein phosphatase mu
g14830.t1	XP_004567783.1	reelin
g27348.t1	O54829	Regulator of G-protein signaling 7
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g1345.t1	WP_001453088.1	replication-associated protein A
g41619.t1	XP_003455292.1	retinoic acid receptor beta
g43014.t1	AEU04705.1	retinoic acid receptor gamma
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g8377.t1	XP_004552665.1	rho GTPase-activating protein 6
g22458.t1	XP_003452401.1	rho GTPase-activating protein SYDE2
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g14749.t1	EMC80488.1	RING finger protein 213
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g50372.t1	WP_003961220.1	RNA helicase
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g15820.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
yu_Contig28954	XP_005943327.1	RNMT-activating mini protein
g48238.t1	XP_004571181.1	rootletin
g52285.t1	PF00078.22	RVT_1
yu_Contig12595	NP_957050.1	RWD domain-containing protein 3
g51369.t1	XP_003454106.1	ryanodine receptor 2
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
qifan_comp141770_c0_seq1	XP_001922616.3	saxitoxin and tetrodotoxin-binding protein 2
g250.t1	PF02023.12	SCAN
g50982.t1	EMP27478.1	SCAN domain-containing protein 3
g47894.t1	BAM19359.1	scarface
pac_pacbio_412066147_1/938_2725	XP_004591742.1	schlafen-like protein 1
g50191.t1	XP_004468108.1	scrapie-responsive protein 1
g42097.t1	XP_003970379.1	selenoprotein H
g37032.t1	XP_003976101.1	serine hydrolase protein
pac_pacbio_412191777_1/0_3199	XP_001333401.1	serine/arginine repetitive matrix protein 1
g28560.t1	XP_004557525.1	serine/arginine repetitive matrix protein 3
g4821.t1	XP_004566361.1	serine/threonine-protein kinase Nek5
g21868.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48470.t1	NP_001167106.1	Serologically defined colon cancer antigen 1
g13730.t1	PF00079.15	Serpin
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
qifan_comp142165_c0_seq2	XP_001920348.4	si:dkey-112e17.1
g31380.t1	P41809	Signaling mucin HKR1
g1195.t1	XP_004545116.1	signaling threshold-regulating transmembrane adapter 1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g15277.t1	AAX30342.1	SJCHGC03036 protein
g13603.t1	AAW24907.1	SJCHGC06398 protein
qifan_comp275485_c0_seq1	AAX30961.2	SJCHGC09650 protein
YY_jcf4063598	AAI25202.1	SLFN5 protein
g3797.t1	EPQ10415.1	Slit like protein 3 protein
g20798.t1	XP_003449195.1	small integral membrane protein 1
qifan_comp193266_c0_seq1	XP_003455942.1	small integral membrane protein 11
g28009.t1	EMC81651.1	Snake venom metalloprotease inhibitor O2A10
g49139.t1	XP_004018733.1	sodium- and chloride-dependent GABA transporter 3
g10049.t1	XP_004077688.1	sodium- and chloride-dependent transporter XTRP3
g15416.t1	XP_004571125.1	sodium bicarbonate cotransporter 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g26571.t1	ACA52542.1	soluble adenylyl cyclase
g45159.t1	XP_003458394.1	solute carrier family 35 member F5
g6033.t1	XP_004541517.1	speriolin protein
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g31566.t1	XP_004003888.1	spermatogenesis-associated protein 16
g43194.t1	XP_003448013.1	sphingosine kinase 2
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP

g15561.t1	EM557593.1	Stellacyanin
g26133.t1	XP_004083375.1	sterile alpha motif domain-containing protein 15
g17541.t1	EMP40862.1	Storkhead-box protein 2
g36178.t1	AGM53488.1	Stra8
g33229.t1	P18899	Stress protein DDR48
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g40330.t1	AER30050.1	T cell receptor gamma 2
pac_pacbio_409902838_1/58_3510	NP_001094099.1	taste receptor, type 2, member 202
g32976.t1	BAF37936.1	Tc1-like transposase
147_ccaa	AAB94920.1	T-cell receptor beta variable region
alltrinity_comp198462_c1_seq4	AEL12165.1	T-cell receptor delta
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
g23808.t1	XP_004712901.1	T-cell surface glycoprotein CD3 epsilon chain
g56562.t1	AA556899.1	TCR beta variable region
g41854.t1	CBN81388.1	Tectonic-3
g48080.t1	G7NY55	Testis- and ovary-specific PAZ domain-containing protein 1
qifan_comp140222_c0_seq9	XP_005157609.1	testis-expressed sequence 12 protein
g31076.t1	XP_004568326.1	tetraspanin-9
g233.t1	PF00335.15	Tetraspannin
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g16576.t1	XP_004212157.1	tetratricopeptide repeat protein 18
g48550.t1	XP_003443473.1	thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 2
g35801.t1	NP_001133751.1	Thymidine phosphorylase
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
g12837.t1	XP_004554638.1	thyroid adenoma-associated protein
g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
cdna_vet_k79:5544	NP_001117782.1	toxin-1
skin_comp67401_c0_seq1	XP_003450199.2	TPA-induced transmembrane protein
g54201.t1	NP_001187755.1	trafficking protein particle complex subunit 2
g7388.t1	ELK38124.1	Trafficking protein particle complex subunit 9
g31455.t1	P15881	Transcription factor 4
g25291.t1	XP_003458132.1	transcription factor Adf-1
g35606.t1	A4QNR3	Transcription factor IIIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g25028.t1	XP_004062571.1	transcription factor-like 5 protein
g3667.t1	WP_020235084.1	transcriptional regulator
skin_comp66936_c0_seq1	XP_006625555.1	trans-Golgi network integral membrane protein 2
g16091.t1	WP_014652760.1	translation initiation factor IF-2
skin_comp68976_c3_seq1	NP_001187956.1	transmembrane protein 167a
qifan_comp98319_c0_seq3	XP_006022692.1	transmembrane protein 252
g5383.t1	XP_004549054.1	transmembrane protein 42
g14377.t1	PF02994.9	Transposase_22
g20623.t1	BAA09333.1	trans-sialidase
g13314.t1	AC114300.1	TREP
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g50778.t1	XP_003446244.1	t-SNARE domain-containing protein 1
g11652.t1	XP_004077800.1	tumor necrosis factor receptor superfamily member 11B
g38803.t1	XP_001513091.1	type II inositol-3,4-bisphosphate 4-phosphatase
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g1525.t1	XP_005013720.1	tyrosine-protein phosphatase non-receptor type 12
g57558.t1	NP_001133831.1	UAP56-interacting factor
52_ccaa	ADO28805.1	ubiquinol-cytochrome c reductase 6.4 kDa subunit
g39829.t1	EMP38492.1	UBX domain-containing protein 1
g23245.t1	NP_001167394.1	UBX domain-containing protein 2
g18885.t1	XP_003456270.1	UBX domain-containing protein 4
g4513.t1	PF00443.24	UCH
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
g12734.t1	XP_004563698.1	uncharacterized gene 87 protein
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_409543459_3/16_2024	XP_005163390.1	uncharacterized LOC101882377
pac_pacbio_409754118_2/13_1631	XP_005163381.1	uncharacterized LOC101884547
blue_Contig53338.1_13554	XP_005171068.1	uncharacterized LOC101884727
ncbimma_375923203	XP_005169161.1	uncharacterized LOC101886252
qifan_comp140251_c0_seq1	CAF97394.1	Uncharacterized membrane protein C3orf80
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
pac_pacbio_411777655_2/12_647	XP_001892369.1	Uncharacterized protein C03B1.10
alltrinity_comp181661_c0_seq4	XP_004618573.1	uncharacterized protein C11orf85
g26140.t1	XP_004542162.1	uncharacterized protein C14orf37
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g10942.t1	XP_004014456.1	uncharacterized protein C20orf195
cdna_clc_290992	XP_002121050.1	uncharacterized protein C20orf201
g6954.t1	EOB05541.1	Uncharacterized protein C21orf62
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C22orf15
g30926.t1	XP_004766560.1	uncharacterized protein C22orf31
g4634.t1	ADO27960.1	uncharacterized protein c3orf26

g42764.t1	XP_003441207.1	uncharacterized protein C6orf118
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
alltrinity_comp244776_c0_seq1	XP_005472498.1	uncharacterized protein C7orf31
g17824.t1	XP_002939054.2	uncharacterized protein C7orf63
qifan_comp148404_c0_seq8	XP_005473876.1	uncharacterized protein C7orf72
skin_comp68171_c4_seq1	XP_002661430.1	uncharacterized protein C7orf73
yu_k66:1419769	XP_785964.2	uncharacterized protein C9orf135
qifan_comp123477_c0_seq1	XP_006120615.1	uncharacterized protein C9orf152
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g32708.t1	Q54G14	Uncharacterized protein DDB_G0290685
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
g3770.t1	O94854	Uncharacterized protein KIAA0754
g47616.t1	XP_004544440.1	uncharacterized protein KIAA0825
pac_pacbio_411145895_2/0_2227	XP_005466789.1	uncharacterized protein KIAA1586
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
alltrinity_comp161874_c0_seq1	XP_001344672.4	uncharacterized protein LOC100005689
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g25081.t1	XP_002123454.1	uncharacterized protein LOC100181721
qifan_comp140980_c0_seq14	NP_001157732.1	uncharacterized protein LOC100183672
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g10637.t1	XP_002168646.2	uncharacterized protein LOC100205358
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
pac_pacbio_411408102_1/63_2382	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq1	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
alltrinity_comp200908_c1_seq4	XP_003198385.2	uncharacterized protein LOC100537439
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888225
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g31877.t1	XP_003731413.1	uncharacterized protein LOC100889854
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
g44472.t1	XP_003770314.1	uncharacterized protein LOC100926670
g56699.t1	XP_003798099.1	uncharacterized protein LOC100966917
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g5590.t1	XP_003961307.1	uncharacterized protein LOC101064828
g35122.t1	XP_003963312.1	uncharacterized protein LOC101065504
g43153.t1	XP_003963647.1	uncharacterized protein LOC101069890
qifan_comp148024_c0_seq4	XP_003977585.1	uncharacterized protein LOC101073491
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
454_F04DT8S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g49570.t1	XP_004082982.1	uncharacterized protein LOC101157745
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
g25280.t1	XP_004072689.1	uncharacterized protein LOC101166636
g24885.t1	XP_004073985.1	uncharacterized protein LOC101166970
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g35078.t1	XP_004070830.1	uncharacterized protein LOC101170430
g18108.t1	XP_004077618.1	uncharacterized protein LOC101171356
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564
g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798

g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
pac_pacbio_410677548_1/6_5237	XP_004576664.1	uncharacterized protein LOC101465969
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g9571.t1	XP_004539275.1	uncharacterized protein LOC101466841
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g48177.t1	XP_004571190.1	uncharacterized protein LOC101467457
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
alltrinity_comp200229_c0_seq3	XP_004556483.1	uncharacterized protein LOC101474317
g25029.t1	XP_004546262.1	uncharacterized protein LOC101479216
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35057.t1	XP_004571002.1	uncharacterized protein LOC101481914
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g46364.t1	XP_004552553.1	uncharacterized protein LOC101483291
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
g14962.t1	XP_004581315.1	uncharacterized protein LOC101520078
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g17472.t1	XP_004699160.1	uncharacterized protein LOC101656334
g126.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17265.t1	XP_004914912.1	uncharacterized protein LOC101731841
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
alltrinity_comp57308_c0_seq1	XP_004914719.1	uncharacterized protein LOC101733949
g10647.t1	XP_004917417.1	uncharacterized protein LOC101734075
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g12972.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
alltrinity_comp208819_c1_seq7	XP_005159202.1	uncharacterized protein LOC101885156
pac_pacbio_411880460_1/68_3063	XP_005167244.1	uncharacterized protein LOC101886427
blue_Contig72773_1_13489	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig2748_1_27327	XP_005294352.1	uncharacterized protein LOC101948872
pac_pacbio_409506783_2/6_2417	XP_005461383.1	uncharacterized protein LOC102076050
alltrinity_comp161516_c0_seq1	XP_005460762.1	uncharacterized protein LOC102076945
pac_pacbio_410817067_1/0_2454	XP_005464157.1	uncharacterized protein LOC102077137
alltrinity_comp149625_c0_seq2	XP_005473705.1	uncharacterized protein LOC102078762
alltrinity_comp201971_c3_seq7	XP_005750376.1	uncharacterized protein LOC102205394
skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
alltrinity_comp121194_c0_seq3	XP_005722490.1	uncharacterized protein LOC102209022
blue_Contig85669_1_12188	XP_005813273.1	uncharacterized protein LOC102220987
pac_pacbio_409599018_1/11_1888	XP_005951291.1	uncharacterized protein LOC102308593
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25_1591	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3_1012	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4_seq4	XP_006637780.1	uncharacterized protein LOC102694700
pac_pacbio_409885893_1/34_3478	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein LOC102698607
g24902.t1	NP_001088688.1	uncharacterized protein LOC495952
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
yu_Contig6953	XP_700508.5	uncharacterized protein LOC571789
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
g43904.t1	XP_001147850.2	uncharacterized protein LOC743753
pac_pacbio_411882431_1/0_1017	XP_003726079.1	uncharacterized protein LOC764337
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g55502.t1	XP_003456411.1	uncharacterized protein MGC39606
g46114.t1	XP_004566527.1	uncharacterized protein MJ0240
g7702.t1	O96185	Uncharacterized protein PFB0460c
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM

g23931.t1	Q96WV6	Uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
g29898.t1	NP_114199.1	unknown
g1042.t1	CAF89551.1	unnamed protein product
pac_pacbio_410654763_2/0_470	BAA12331.1	unnamed protein product
pac_pacbio_410267174_1/0_1261	CAG06189.1	unnamed protein product
g31471.t1	XP_003451547.1	UPF0729 protein C18orf32
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g32414.t1	XP_003442715.1	urocortin-3
g10618.t1	XP_004560088.1	vacuolar protein sorting-associated protein 13B
g50711.t1	XP_003451921.1	vestarin-D1
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g16511.t1	ACU68458.1	vomeronal 1 receptor
g10819.t1	XP_002942463.2	vomeronal type-2 receptor 26
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g27024.t1	ACJ65696.1	WAP1-like protein 1
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g37520.t1	XP_004683987.1	WD repeat-containing protein 7
g12499.t1	XP_003446661.1	WW domain-binding protein 4
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g20237.t1	PF00098.18	zf-CCHC
alltrinity_comp228760_c0_seq1	XP_004030926.1	zinc C2H2 type family protein
g17305.t1	XP_004550306.1	zinc finger BED domain-containing protein 1
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
alltrinity_comp218527_c0_seq1	XP_004030872.1	zinc finger cdgsh-type domain protein
alltrinity_comp194691_c2_seq7	XP_006634293.1	zinc finger MYND domain-containing protein 15
g11962.t1	ELK38750.1	Zinc finger protein 300
g51980.t1	Q96JG9	Zinc finger protein 469
g40252.t1	XP_003455943.1	zinc finger protein 729
g54342.t1	XP_003438160.1	zinc finger protein 830
g37420.t1	XP_001198221.2	zinc finger protein 84
g21066.t1	O60290	Zinc finger protein 862
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g22012.t1	NP_001187614.1	zinc transporter zip11
g22233.t1	XP_003318570.1	zonadhesin
qifan_comp38323_c0_seq2	XP_004073800.1	zymogen granule membrane protein 16

Supplemental table 34. cavefish specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSAMXG0000001852	ENSAMXP0000001881	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSAMXG00000015101	ENSAMXP00000015542	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSAMXG00000004731	ENSAMXP00000004841	ankyrin repeat and SOCS box containing 6 [Source:ZFIN;Acc:ZDB-GENE-050522-338]	asb6
ENSAMXG00000009858	ENSAMXP00000010133	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSAMXG00000006475	ENSAMXP00000006643	aspartate beta-hydroxylase [Source:HGNC Symbol;Acc:HGNC:757]	ASPH
ENSAMXG00000003874	ENSAMXP00000004019	arginyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-070410-12]	ate1
ENSAMXG00000003009	ENSAMXP00000003060	brain expressed, associated with NEDD4, 1 [Source:HGNC Symbol;Acc:HGNC:24160]	BEAN1
ENSAMXG00000012123	ENSAMXP00000012470	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C10orf53
ENSAMXG00000018996	ENSAMXP00000019559	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C18orf63
ENSAMXG00000002231	ENSAMXP00000002279	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSAMXG00000013723	ENSAMXP00000014123	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C20orf96
ENSAMXG00000013615	ENSAMXP00000013999	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C2orf71
ENSAMXG00000013001	ENSAMXP00000013370	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSAMXG00000008504	ENSAMXP00000008794	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSAMXG00000006316	ENSAMXP00000006481	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSAMXG00000024302	ENSAMXP00000025009	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSAMXG00000025663	ENSAMXP00000026368	cation channel, sperm associated 3 [Source:HGNC Symbol;Acc:HGNC:20819]	CATSPER3
ENSAMXG00000017482	ENSAMXP00000018000	cation channel, sperm associated 4 [Source:HGNC Symbol;Acc:HGNC:23220]	CATSPER4
ENSAMXG00000016433	ENSAMXP00000016929	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSAMXG00000019949	ENSAMXP00000020533	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSAMXG00000006723	ENSAMXP00000006902	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSAMXG00000002977	ENSAMXP00000003031	CKLF-like MARVEL transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19172]	CMTM1
ENSAMXG00000001015	ENSAMXP00000001016	cyclic nucleotide binding domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26663]	CNBD1
ENSAMXG00000005761	ENSAMXP00000005893	cytokine receptor family member b1 [Source:ZFIN;Acc:ZDB-GENE-030131-8673]	crfb1
ENSAMXG00000019578	ENSAMXP00000020160	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSAMXG00000007449	ENSAMXP00000007653	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSAMXG00000002657	ENSAMXP00000002719	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSAMXG00000007808	ENSAMXP00000008029	DEP domain containing 5 [Source:HGNC Symbol;Acc:HGNC:18423]	DEPC05
ENSAMXG00000002535	ENSAMXP00000002592	diablo, IAP-binding mitochondrial protein b [Source:ZFIN;Acc:ZDB-GENE-070112-202]	diablob
ENSAMXG00000002466	ENSAMXP00000002519	Dnal (Hsp40) homolog, subfamily C, member 13 [Source:HGNC Symbol;Acc:HGNC:30343]	DNAJC13
ENSAMXG00000005300	ENSAMXP00000005426	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSAMXG00000005667	ENSAMXP00000005800	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSAMXG00000014933	ENSAMXP00000015371	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSAMXG00000013036	ENSAMXP00000013409	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENK01
ENSAMXG00000012148	ENSAMXP00000012490	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSAMXG00000013547	ENSAMXP00000013932	family with sequence similarity 149, member B1 [Source:ZFIN;Acc:ZDB-GENE-070112-2102]	fam149b1
ENSAMXG00000007408	ENSAMXP00000007610	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSAMXG00000025646	ENSAMXP00000026351	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDC9
ENSAMXG00000006076	ENSAMXP00000006229	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fos11b
ENSAMXG00000016781	ENSAMXP00000017282	FYN binding protein [Source:HGNC Symbol;Acc:HGNC:4036]	FYB
ENSAMXG00000015752	ENSAMXP00000016208	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSAMXG00000008541	ENSAMXP00000008774	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSAMXG00000019659	ENSAMXP00000020242	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSAMXG00000004688	ENSAMXP00000004799	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSAMXG00000004234	ENSAMXP00000004333	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSAMXG0000001887	ENSAMXP0000001921	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040808-9]	imm2p
ENSAMXG00000013698	ENSAMXP00000014121	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSAMXG00000019719	ENSAMXP00000020309	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSAMXG00000015005	ENSAMXP00000015445	katanin p80 (WD repeat containing) subunit B 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1954]	katnb1
ENSAMXG00000019568	ENSAMXP00000020149	KIAA1875 [Source:HGNC Symbol;Acc:HGNC:26959]	KIAA1875
ENSAMXG00000000233	ENSAMXP00000000241	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSAMXG00000011969	ENSAMXP00000012305	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSAMXG00000008409	ENSAMXP00000008635	Ly1 antibody reactive [Source:HGNC Symbol;Acc:HGNC:26021]	LYAR
ENSAMXG00000014716	ENSAMXP00000015148	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSAMXG00000018124	ENSAMXP00000018666	molybdenum cofactor synthesis 1 [Source:HGNC Symbol;Acc:HGNC:7190]	MOC51
ENSAMXG00000003681	ENSAMXP00000003757	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSAMXG00000010824	ENSAMXP00000011114	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSAMXG00000003675	ENSAMXP00000003751	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSAMXG00000016784	ENSAMXP00000017279	neuromedin Ba [Source:ZFIN;Acc:ZDB-GENE-050419-3]	nmba
ENSAMXG00000009720	ENSAMXP00000009986	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmbb
ENSAMXG00000016285	ENSAMXP00000016769	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSAMXG00000003911	ENSAMXP00000004000	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsme1
ENSAMXG00000012564	ENSAMXP00000012926	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSAMXG00000006503	ENSAMXP00000006671	osteoerin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSAMXG00000003896	ENSAMXP00000003981	PDZ domain containing 8 [Source:ZFIN;Acc:ZDB-GENE-110310-2]	pdzd8
ENSAMXG00000008434	ENSAMXP00000008656	peroxisomal biogenesis factor 16 [Source:ZFIN;Acc:ZDB-GENE-050626-49]	peh16
ENSAMXG00000013812	ENSAMXP00000014210	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSAMXG00000005957	ENSAMXP00000006104	phosphatidylinositol glycan anchor biosynthesis, class G [Source:HGNC Symbol;Acc:HGNC:25985]	PIGG
ENSAMXG00000011896	ENSAMXP00000012226	pitrilysin metalloproteinase 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2876]	pitrm1
ENSAMXG00000012697	ENSAMXP00000013050	polyglutamine binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-030616-158]	pqbp1
ENSAMXG00000004650	ENSAMXP00000004753	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSAMXG00000010656	ENSAMXP00000010946	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSAMXG00000014217	ENSAMXP00000014625	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSAMXG00000011921	ENSAMXP00000012251	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSAMXG00000010017	ENSAMXP00000010288	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSAMXG00000007714	ENSAMXP00000007929	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30

ENSAMXG0000000890	ENSAMXP0000000912	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rftdc1
ENSAMXG0000001422	ENSAMXP00000014645	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	sap30bp
ENSAMXG00000017142	ENSAMXP00000017634	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSAMXG00000004072	ENSAMXP00000004161	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSAMXG00000000084	ENSAMXP00000000085	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSAMXG00000013906	ENSAMXP00000014308	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSAMXG00000012977	ENSAMXP00000013340	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSAMXG00000020497	ENSAMXP00000021102	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSAMXG00000016589	ENSAMXP00000017089	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSAMXG00000024871	ENSAMXP00000025577	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSAMXG00000024539	ENSAMXP00000025239	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSAMXG00000002107	ENSAMXP00000002150	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSAMXG00000016346	ENSAMXP00000016829	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSAMXG00000010135	ENSAMXP00000010412	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSAMXG00000001394	ENSAMXP00000001420	si:ch211-39i22.1 [Source:ZFIN;Acc:ZDB-GENE-120215-258]	si:ch211-39i22.1
ENSAMXG00000010045	ENSAMXP00000010315	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSAMXG00000000603	ENSAMXP00000000633	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSAMXG00000010005	ENSAMXP00000010271	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSAMXG00000006648	ENSAMXP00000006822	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSAMXG00000026272	ENSAMXP00000026977	si:ch73-41e3.7 [Source:ZFIN;Acc:ZDB-GENE-090313-163]	si:ch73-41e3.7
ENSAMXG00000026009	ENSAMXP00000026714	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSAMXG00000018452	ENSAMXP00000019001	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSAMXG00000012423	ENSAMXP00000012766	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSAMXG00000026328	ENSAMXP00000027033	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSAMXG00000008608	ENSAMXP00000008846	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSAMXG00000026000	ENSAMXP00000026705	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSAMXG00000015310	ENSAMXP00000015754	si:dkey-24i11.2 [Source:ZFIN;Acc:ZDB-GENE-050419-208]	si:dkey-24i11.2
ENSAMXG00000017507	ENSAMXP00000018021	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSAMXG00000019733	ENSAMXP00000020324	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSAMXG00000011444	ENSAMXP00000011452	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSAMXG00000012732	ENSAMXP00000013088	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSAMXG00000010108	ENSAMXP00000010384	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSAMXG00000013563	ENSAMXP00000013952	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSAMXG00000004262	ENSAMXP00000004364	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSAMXG00000017722	ENSAMXP00000018253	solute carrier family 39, member 11 [Source:HGNC Symbol;Acc:HGNC:14463]	SLC39A11
ENSAMXG00000026101	ENSAMXP00000026806	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSAMXG00000025268	ENSAMXP00000025974	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMM18
ENSAMXG00000010186	ENSAMXP00000010460	spermatogenesis associated, serine-rich 1 [Source:HGNC Symbol;Acc:HGNC:22957]	SPATS1
ENSAMXG00000025286	ENSAMXP00000025992	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSAMXG00000013668	ENSAMXP00000014061	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) [Source:ZFIN;Acc:ZDB-GENE-030131-5395]	st13
ENSAMXG00000001114	ENSAMXP0000001137	serine/threonine kinase 11 interacting protein [Source:HGNC Symbol;Acc:HGNC:19184]	STK11IP
ENSAMXG00000012501	ENSAMXP00000012862	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSAMXG00000011719	ENSAMXP00000012047	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSAMXG00000004518	ENSAMXP00000004624	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSAMXG00000025747	ENSAMXP00000026452	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSAMXG00000002375	ENSAMXP00000002425	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSAMXG00000008012	ENSAMXP00000008235	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSAMXG00000009893	ENSAMXP00000010164	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSAMXG00000002482	ENSAMXP00000002539	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSAMXG00000002221	ENSAMXP00000002296	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSAMXG00000005007	ENSAMXP00000005136	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSAMXG00000025444	ENSAMXP000000026149	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSAMXG00000009001	ENSAMXP00000009253	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSAMXG00000005317	ENSAMXP00000005448	Tp53r binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkrb
ENSAMXG00000016761	ENSAMXP00000017257	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSAMXG00000017738	ENSAMXP00000018267	UBA-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29576]	UBALD1
ENSAMXG00000002018	ENSAMXP00000002050	URB1 ribosome biogenesis 1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:17344]	URB1
ENSAMXG00000009421	ENSAMXP00000009681	U6 snRNA biogenesis 1 [Source:ZFIN;Acc:ZDB-GENE-040801-197]	usb1
ENSAMXG00000015639	ENSAMXP00000016089	vacuole membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29559]	VMP1
ENSAMXG00000002949	ENSAMXP00000003007	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSAMXG00000025662	ENSAMXP00000026367	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSAMXG00000017356	ENSAMXP00000017862	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSAMXG00000006878	ENSAMXP00000007065	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSAMXG00000015100	ENSAMXP00000015537	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSAMXG00000007503	ENSAMXP00000007711	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSAMXG00000024874	ENSAMXP00000025580	zgc:153675 [Source:ZFIN;Acc:ZDB-GENE-061013-567]	zgc:153675
ENSAMXG00000001599	ENSAMXP00000001629	zgc:154125 [Source:ZFIN;Acc:ZDB-GENE-061013-717]	zgc:154125
ENSAMXG00000001771	ENSAMXP00000001805	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSAMXG00000007333	ENSAMXP00000007532	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSAMXG00000004186	ENSAMXP00000004280	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSAMXG00000000092	ENSAMXP00000000091	novel gene	ENSAMXG00000000092
ENSAMXG00000000245	ENSAMXP00000000254	novel gene	ENSAMXG00000000245
ENSAMXG00000000500	ENSAMXP00000000504	novel gene	ENSAMXG00000000500
ENSAMXG00000000752	ENSAMXP00000000771	novel gene	ENSAMXG00000000752
ENSAMXG00000001471	ENSAMXP00000001497	novel gene	ENSAMXG00000001471
ENSAMXG00000002052	ENSAMXP00000002093	novel gene	ENSAMXG00000002052
ENSAMXG00000002054	ENSAMXP00000002097	novel gene	ENSAMXG00000002054
ENSAMXG00000002331	ENSAMXP00000002378	novel gene	ENSAMXG00000002331
ENSAMXG00000002346	ENSAMXP00000002396	novel gene	ENSAMXG00000002346

ENSAMXG0000002378	ENSAMXP0000002427	novel gene	ENSAMXG0000002378
ENSAMXG0000002596	ENSAMXP0000002656	novel gene	ENSAMXG0000002596
ENSAMXG0000002790	ENSAMXP0000002856	novel gene	ENSAMXG0000002790
ENSAMXG0000002791	ENSAMXP0000002857	novel gene	ENSAMXG0000002791
ENSAMXG0000003070	ENSAMXP0000003130	novel gene	ENSAMXG0000003070
ENSAMXG0000003189	ENSAMXP0000003256	novel gene	ENSAMXG0000003189
ENSAMXG0000003352	ENSAMXP0000003417	novel gene	ENSAMXG0000003352
ENSAMXG0000003752	ENSAMXP0000003834	novel gene	ENSAMXG0000003752
ENSAMXG0000003856	ENSAMXP0000003939	novel gene	ENSAMXG0000003856
ENSAMXG0000003885	ENSAMXP0000003966	novel gene	ENSAMXG0000003885
ENSAMXG0000004119	ENSAMXP0000004212	novel gene	ENSAMXG0000004119
ENSAMXG0000004155	ENSAMXP0000004248	novel gene	ENSAMXG0000004155
ENSAMXG0000004618	ENSAMXP0000004722	novel gene	ENSAMXG0000004618
ENSAMXG0000004990	ENSAMXP0000005115	novel gene	ENSAMXG0000004990
ENSAMXG0000005087	ENSAMXP0000005213	novel gene	ENSAMXG0000005087
ENSAMXG0000005098	ENSAMXP0000005224	novel gene	ENSAMXG0000005098
ENSAMXG0000005357	ENSAMXP0000005489	novel gene	ENSAMXG0000005357
ENSAMXG0000005568	ENSAMXP0000005701	novel gene	ENSAMXG0000005568
ENSAMXG0000005844	ENSAMXP0000005984	novel gene	ENSAMXG0000005844
ENSAMXG0000005877	ENSAMXP0000006014	novel gene	ENSAMXG0000005877
ENSAMXG0000006030	ENSAMXP0000006181	novel gene	ENSAMXG0000006030
ENSAMXG0000006070	ENSAMXP0000006223	novel gene	ENSAMXG0000006070
ENSAMXG0000006184	ENSAMXP0000006344	novel gene	ENSAMXG0000006184
ENSAMXG0000006263	ENSAMXP0000006429	novel gene	ENSAMXG0000006263
ENSAMXG0000006618	ENSAMXP0000006687	novel gene	ENSAMXG0000006618
ENSAMXG0000007022	ENSAMXP0000007214	novel gene	ENSAMXG0000007022
ENSAMXG0000007238	ENSAMXP0000007433	novel gene	ENSAMXG0000007238
ENSAMXG0000007569	ENSAMXP0000007776	novel gene	ENSAMXG0000007569
ENSAMXG0000007590	ENSAMXP0000007800	novel gene	ENSAMXG0000007590
ENSAMXG0000007580	ENSAMXP0000007808	novel gene	ENSAMXG0000007580
ENSAMXG0000007608	ENSAMXP0000007818	novel gene	ENSAMXG0000007608
ENSAMXG0000007814	ENSAMXP0000008035	novel gene	ENSAMXG0000007814
ENSAMXG0000007906	ENSAMXP0000008122	novel gene	ENSAMXG0000007906
ENSAMXG0000008206	ENSAMXP0000008431	novel gene	ENSAMXG0000008206
ENSAMXG0000008319	ENSAMXP0000008546	novel gene	ENSAMXG0000008319
ENSAMXG0000008556	ENSAMXP0000008786	novel gene	ENSAMXG0000008556
ENSAMXG0000008681	ENSAMXP0000008922	novel gene	ENSAMXG0000008681
ENSAMXG0000008713	ENSAMXP0000008956	novel gene	ENSAMXG0000008713
ENSAMXG0000008757	ENSAMXP0000009001	novel gene	ENSAMXG0000008757
ENSAMXG0000009073	ENSAMXP0000009320	novel gene	ENSAMXG0000009073
ENSAMXG0000009083	ENSAMXP0000009328	novel gene	ENSAMXG0000009083
ENSAMXG0000009133	ENSAMXP0000009383	novel gene	ENSAMXG0000009133
ENSAMXG0000009181	ENSAMXP0000009435	novel gene	ENSAMXG0000009181
ENSAMXG0000009310	ENSAMXP0000009571	novel gene	ENSAMXG0000009310
ENSAMXG0000009349	ENSAMXP0000009603	novel gene	ENSAMXG0000009349
ENSAMXG0000009597	ENSAMXP0000009867	novel gene	ENSAMXG0000009597
ENSAMXG0000009651	ENSAMXP0000009922	novel gene	ENSAMXG0000009651
ENSAMXG0000009738	ENSAMXP0000010010	novel gene	ENSAMXG0000009738
ENSAMXG0000009965	ENSAMXP0000010233	novel gene	ENSAMXG0000009965
ENSAMXG0000009977	ENSAMXP0000010245	novel gene	ENSAMXG0000009977
ENSAMXG0000010031	ENSAMXP0000010297	novel gene	ENSAMXG0000010031
ENSAMXG0000010085	ENSAMXP0000010356	novel gene	ENSAMXG0000010085
ENSAMXG0000010163	ENSAMXP0000010438	novel gene	ENSAMXG0000010163
ENSAMXG0000010247	ENSAMXP0000010525	novel gene	ENSAMXG0000010247
ENSAMXG0000010322	ENSAMXP0000010601	novel gene	ENSAMXG0000010322
ENSAMXG0000010791	ENSAMXP0000011080	novel gene	ENSAMXG0000010791
ENSAMXG0000010848	ENSAMXP0000011139	novel gene	ENSAMXG0000010848
ENSAMXG0000010858	ENSAMXP0000011151	novel gene	ENSAMXG0000010858
ENSAMXG0000010965	ENSAMXP0000011262	novel gene	ENSAMXG0000010965
ENSAMXG0000011061	ENSAMXP0000011363	novel gene	ENSAMXG0000011061
ENSAMXG0000011083	ENSAMXP0000011390	novel gene	ENSAMXG0000011083
ENSAMXG0000011131	ENSAMXP0000011440	novel gene	ENSAMXG0000011131
ENSAMXG0000011205	ENSAMXP0000011513	novel gene	ENSAMXG0000011205
ENSAMXG0000011303	ENSAMXP0000011607	novel gene	ENSAMXG0000011303
ENSAMXG0000012190	ENSAMXP0000012533	novel gene	ENSAMXG0000012190
ENSAMXG0000012224	ENSAMXP0000012566	novel gene	ENSAMXG0000012224
ENSAMXG0000012479	ENSAMXP0000012823	novel gene	ENSAMXG0000012479
ENSAMXG0000012673	ENSAMXP0000013023	novel gene	ENSAMXG0000012673
ENSAMXG0000013132	ENSAMXP0000013511	novel gene	ENSAMXG0000013132
ENSAMXG0000014077	ENSAMXP0000014480	novel gene	ENSAMXG0000014077
ENSAMXG0000014113	ENSAMXP0000014516	novel gene	ENSAMXG0000014113
ENSAMXG0000014421	ENSAMXP0000014834	novel gene	ENSAMXG0000014421
ENSAMXG0000014474	ENSAMXP0000014893	novel gene	ENSAMXG0000014474
ENSAMXG0000014744	ENSAMXP0000015175	novel gene	ENSAMXG0000014744
ENSAMXG0000014935	ENSAMXP0000015372	novel gene	ENSAMXG0000014935
ENSAMXG0000014937	ENSAMXP0000015373	novel gene	ENSAMXG0000014937
ENSAMXG0000014992	ENSAMXP0000015430	novel gene	ENSAMXG0000014992
ENSAMXG0000015026	ENSAMXP0000015468	novel gene	ENSAMXG0000015026
ENSAMXG0000015030	ENSAMXP0000015471	novel gene	ENSAMXG0000015030

Supplemental table 35. Atlantic cod specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGM0G00000002615	ENSGMOP000000002747	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSGM0G00000006940	ENSGMOP00000007391	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSGM0G00000013511	ENSGMOP00000014436	Agouti signaling peptide 2 [Source:UniProtKB/TrEMBL;Acc:J3FBV6]	ASIP2
ENSGM0G00000016947	ENSGMOP00000018218	arginyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-070410-12]	ate1
ENSGM0G00000016392	ENSGMOP00000017601	BEN domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23815]	BEND4
ENSGM0G00000005376	ENSGMOP00000005703	BRICHOS domain containing 5 [Source:ZFIN;Acc:ZDB-GENE-050208-85]	bricd5
ENSGM0G00000004570	ENSGMOP00000004846	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSGM0G00000005585	ENSGMOP00000005921	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C18orf54
ENSGM0G00000009426	ENSGMOP00000010066	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSGM0G00000008425	ENSGMOP00000009020	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSGM0G00000016909	ENSGMOP00000018163	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSGM0G00000006172	ENSGMOP00000006544	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSGM0G00000017325	ENSGMOP00000018613	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSGM0G00000007726	ENSGMOP00000008261	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C7orf62
ENSGM0G00000014864	ENSGMOP00000015971	carnosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:29268]	CARNS1
ENSGM0G00000006211	ENSGMOP00000006575	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSGM0G00000016587	ENSGMOP00000017799	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSGM0G00000019140	ENSGMOP00000020587	CD3e molecule, epsilon associated protein [Source:ZFIN;Acc:ZDB-GENE-101202-2]	cd3eap
ENSGM0G00000004557	ENSGMOP00000004838	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSGM0G00000008940	ENSGMOP00000009560	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSGM0G00000012784	ENSGMOP00000013683	centromere protein O [Source:ZFIN;Acc:ZDB-GENE-070928-16]	cenpo
ENSGM0G00000015925	ENSGMOP00000017080	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSGM0G00000004900	ENSGMOP00000005192	centrosomal protein 68 [Source:ZFIN;Acc:ZDB-GENE-030616-565]	cep68
ENSGM0G00000011848	ENSGMOP00000012671	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSGM0G00000019478	ENSGMOP00000020951	collagen, type VIII, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2215]	COL8A1
ENSGM0G00000001248	ENSGMOP00000001297	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	chrhb
ENSGM0G00000003483	ENSGMOP00000003712	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSGM0G00000003112	ENSGMOP00000003267	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGM0G00000018616	ENSGMOP00000020004	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSGM0G00000018503	ENSGMOP00000019930	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSGM0G00000011577	ENSGMOP00000012381	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENKD1
ENSGM0G00000013237	ENSGMOP00000014150	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSGM0G00000018975	ENSGMOP00000020409	family with sequence similarity 149, member B1 [Source:ZFIN;Acc:ZDB-GENE-070112-2102]	fam149b1
ENSGM0G00000013014	ENSGMOP00000013908	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSGM0G00000008575	ENSGMOP00000009172	family with sequence similarity 177, member B [Source:HGNC Symbol;Acc:HGNC:34395]	FAM177B
ENSGM0G00000013167	ENSGMOP00000014080	G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]	G0S2
ENSGM0G00000006176	ENSGMOP00000006559	G2/M-phase specific E3 ubiquitin ligase [Source:ZFIN;Acc:ZDB-GENE-030616-400]	g2e3
ENSGM0G00000012419	ENSGMOP00000013295	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSGM0G00000016680	ENSGMOP00000017901	Gonadoliberin [Source:UniProtKB/TrEMBL;Acc:D5JG55]	GNRH3
ENSGM0G00000004347	ENSGMOP00000004613	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26013]	HEATR2
ENSGM0G00000019727	ENSGMOP00000021214	Hermansky-Pudlak syndrome 6 [Source:HGNC Symbol;Acc:HGNC:18817]	HP56
ENSGM0G00000010937	ENSGMOP00000011690	interferon phi 1 [Source:ZFIN;Acc:ZDB-GENE-030721-3]	ifnphi1
ENSGM0G00000000123	ENSGMOP00000000125	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSGM0G00000010557	ENSGMOP00000011310	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSGM0G00000009005	ENSGMOP00000009621	interleukin 12 receptor, beta 2a, like [Source:ZFIN;Acc:ZDB-GENE-080107-6]	il12rb2l
ENSGM0G00000007619	ENSGMOP00000008154	interleukin 23 receptor [Source:ZFIN;Acc:ZDB-GENE-080107-5]	il23r
ENSGM0G00000017891	ENSGMOP00000019251	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSGM0G00000018312	ENSGMOP00000019701	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSGM0G00000013019	ENSGMOP00000013922	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSGM0G00000010691	ENSGMOP00000011447	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSGM0G00000018816	ENSGMOP00000020198	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A [Source:HGNC Symbol;Acc:HGNC:23145]	MAFA
ENSGM0G00000018453	ENSGMOP00000019842	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSGM0G0000001978	ENSGMOP00000002109	myristoylated alanine rich protein kinase C substrate a [Source:ZFIN;Acc:ZDB-GENE-050522-145]	marcksa
ENSGM0G00000013373	ENSGMOP00000014300	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSGM0G00000006663	ENSGMOP00000007079	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSGM0G00000020186	ENSGMOP00000021673	major facilitator superfamily domain containing 6-like [Source:ZFIN;Acc:ZDB-GENE-040801-105]	mfsd6l
ENSGM0G00000002574	ENSGMOP00000002721	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils [Source:ZFIN;Acc:ZDB-GENE-121023-2]	msantd4
ENSGM0G00000002134	ENSGMOP00000002289	metadherin a [Source:ZFIN;Acc:ZDB-GENE-030616-615]	metha
ENSGM0G00000003894	ENSGMOP00000004112	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSGM0G00000008055	ENSGMOP00000008631	mucin 17, cell surface associated [Source:HGNC Symbol;Acc:HGNC:16800]	MUC17
ENSGM0G00000013627	ENSGMOP00000014564	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSGM0G00000017323	ENSGMOP00000018606	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmbb
ENSGM0G00000000734	ENSGMOP00000000726	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsme1
ENSGM0G0000001739	ENSGMOP00000001842	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSGM0G00000007964	ENSGMOP00000008517	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSGM0G00000019083	ENSGMOP00000020523	poly(A) binding protein interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:17970]	PAIP2
ENSGM0G00000005118	ENSGMOP00000005413	piggyBac transposable element derived 1 [Source:HGNC Symbol;Acc:HGNC:19398]	PGBD1
ENSGM0G00000006041	ENSGMOP00000006418	PNN-interacting serine/arginine-rich protein [Source:ZFIN;Acc:ZDB-GENE-030131-362]	pnisr
ENSGM0G00000003584	ENSGMOP00000003800	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSGM0G00000018779	ENSGMOP00000002167	periphilin 1 [Source:ZFIN;Acc:ZDB-GENE-030131-1873]	pphil1
ENSGM0G00000000086	ENSGMOP00000000086	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSGM0G00000008384	ENSGMOP00000008974	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSGM0G00000007901	ENSGMOP00000008455	RAD18 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-745]	rad18
ENSGM0G00000006405	ENSGMOP00000006801	retinoblastoma binding protein 6 [Source:ZFIN;Acc:ZDB-GENE-040930-5]	rbp6
ENSGM0G00000006870	ENSGMOP00000007306	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSGM0G00000013235	ENSGMOP00000014181	REL2-like 2 [Source:HGNC Symbol;Acc:HGNC:26902]	RELL2

ENSGMOP00000013353	ENSGMOP00000014306	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSGMOP0000001335	ENSGMOP0000001404	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSGMOP00000002311	ENSGMOP00000002450	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing [Source:ZFIN;Acc:ZDB-GENE-030131-5736]	rltpr
ENSGMOP00000005379	ENSGMOP00000005715	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30
ENSGMOP00000013299	ENSGMOP00000014231	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfcd1
ENSGMOP00000005492	ENSGMOP00000005837	somatostatin B and thrombospondin, type 1 domain containing [Source:HGNC Symbol;Acc:HGNC:30362]	SBSPON
ENSGMOP00000006643	ENSGMOP00000007054	SHC SH2-domain binding protein 1-like [Source:HGNC Symbol;Acc:HGNC:16788]	SHCBP11
ENSGMOP000000017256	ENSGMOP00000018528	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSGMOP00000002297	ENSGMOP00000002453	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSGMOP00000001977	ENSGMOP00000002096	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSGMOP00000007435	ENSGMOP00000007945	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSGMOP00000007181	ENSGMOP00000007652	si:ch211-149e23.4 [Source:ZFIN;Acc:ZDB-GENE-131121-606]	si:ch211-149e23.4
ENSGMOP00000015227	ENSGMOP00000016295	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSGMOP00000004391	ENSGMOP00000004655	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSGMOP00000007466	ENSGMOP00000007982	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSGMOP000000012905	ENSGMOP00000013805	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSGMOP000000011443	ENSGMOP00000012233	si:ch211-222k6.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9038]	si:ch211-222k6.2
ENSGMOP00000019673	ENSGMOP00000021160	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGMOP00000015548	ENSGMOP00000016725	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSGMOP00000010265	ENSGMOP00000010981	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSGMOP00000019794	ENSGMOP00000021281	si:dkey-11f4.20 [Source:ZFIN;Acc:ZDB-GENE-070912-359]	si:dkey-11f4.20
ENSGMOP0000001951	ENSGMOP0000002075	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSGMOP00000016095	ENSGMOP00000017254	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSGMOP00000017776	ENSGMOP00000019111	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSGMOP00000011482	ENSGMOP00000012272	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSGMOP00000005036	ENSGMOP00000005325	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSGMOP00000006723	ENSGMOP00000007156	sine oculis binding protein homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:29256]	SOBP
ENSGMOP00000009309	ENSGMOP00000009942	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSGMOP00000006714	ENSGMOP00000007184	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSGMOP00000015937	ENSGMOP00000017083	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSGMOP00000010248	ENSGMOP00000010964	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSGMOP00000017324	ENSGMOP00000018629	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	THAP9
ENSGMOP00000015336	ENSGMOP00000016424	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSGMOP00000019797	ENSGMOP00000021284	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]	TMEM158
ENSGMOP00000000334	ENSGMOP00000000328	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSGMOP000000013138	ENSGMOP00000014048	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSGMOP00000002511	ENSGMOP00000002652	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSGMOP00000003564	ENSGMOP00000003761	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSGMOP000000002700	ENSGMOP00000002834	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSGMOP00000001361	ENSGMOP00000001431	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkrb
ENSGMOP00000007973	ENSGMOP00000008526	taperin [Source:ZFIN;Acc:ZDB-GENE-081104-254]	tpnr
ENSGMOP000000015419	ENSGMOP00000016508	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSGMOP00000013250	ENSGMOP00000014165	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSGMOP00000002380	ENSGMOP00000002550	WD repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:21248]	WDR27
ENSGMOP00000003094	ENSGMOP00000003243	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSGMOP00000003300	ENSGMOP00000003495	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSGMOP00000008215	ENSGMOP00000008785	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSGMOP000000013159	ENSGMOP00000014079	zgc:158398 [Source:ZFIN;Acc:ZDB-GENE-070820-3]	zgc:158398
ENSGMOP000000019575	ENSGMOP00000021054	zgc:174320 [Source:ZFIN;Acc:ZDB-GENE-080206-2]	zgc:174320
ENSGMOP00000008027	ENSGMOP00000008591	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSGMOP000000018482	ENSGMOP00000019882	zinc finger protein 318 [Source:HGNC Symbol;Acc:HGNC:13578]	ZNF318
ENSGMOP000000005362	ENSGMOP00000005690	zinc finger protein 638 [Source:HGNC Symbol;Acc:HGNC:17894]	ZNF638
ENSGMOP00000000030	ENSGMOP00000000034	novel gene	ENSGMOP00000000030
ENSGMOP000000000078	ENSGMOP000000000078	novel gene	ENSGMOP00000000078
ENSGMOP000000000094	ENSGMOP000000000099	novel gene	ENSGMOP00000000094
ENSGMOP000000000144	ENSGMOP000000000144	novel gene	ENSGMOP00000000144
ENSGMOP000000000149	ENSGMOP000000000149	novel gene	ENSGMOP00000000149
ENSGMOP000000000159	ENSGMOP000000000158	novel gene	ENSGMOP00000000159
ENSGMOP000000000219	ENSGMOP000000000222	novel gene	ENSGMOP00000000219
ENSGMOP000000000293	ENSGMOP000000000297	novel gene	ENSGMOP00000000293
ENSGMOP000000000361	ENSGMOP000000000348	novel gene	ENSGMOP00000000361
ENSGMOP000000000382	ENSGMOP000000000367	novel gene	ENSGMOP00000000382
ENSGMOP000000000423	ENSGMOP000000000410	novel gene	ENSGMOP00000000423
ENSGMOP000000000562	ENSGMOP000000000545	novel gene	ENSGMOP00000000562
ENSGMOP000000000556	ENSGMOP000000000549	novel gene	ENSGMOP00000000556
ENSGMOP000000000583	ENSGMOP000000000562	novel gene	ENSGMOP00000000583
ENSGMOP000000000597	ENSGMOP000000000574	novel gene	ENSGMOP00000000597
ENSGMOP000000000633	ENSGMOP000000000617	novel gene	ENSGMOP00000000633
ENSGMOP000000000636	ENSGMOP000000000619	novel gene	ENSGMOP00000000636
ENSGMOP000000000700	ENSGMOP000000000690	novel gene	ENSGMOP00000000700
ENSGMOP000000000773	ENSGMOP000000000775	novel gene	ENSGMOP00000000773
ENSGMOP000000000839	ENSGMOP000000000854	novel gene	ENSGMOP00000000839
ENSGMOP000000001003	ENSGMOP000000001028	novel gene	ENSGMOP00000001003
ENSGMOP000000001117	ENSGMOP000000001153	novel gene	ENSGMOP00000001117
ENSGMOP000000001164	ENSGMOP000000001202	novel gene	ENSGMOP00000001164
ENSGMOP000000001185	ENSGMOP000000001218	novel gene	ENSGMOP00000001185
ENSGMOP000000001192	ENSGMOP000000001228	novel gene	ENSGMOP00000001192
ENSGMOP000000001241	ENSGMOP000000001288	novel gene	ENSGMOP00000001241

ENSGMOP00000020537	ENSGMOP0000002024	novel gene	ENSGMOP00000020537
ENSGMOP00000020539	ENSGMOP0000002026	novel gene	ENSGMOP00000020539
ENSGMOP00000020541	ENSGMOP0000002028	novel gene	ENSGMOP00000020541
ENSGMOP00000020542	ENSGMOP0000002029	novel gene	ENSGMOP00000020542
ENSGMOP00000020546	ENSGMOP0000002033	novel gene	ENSGMOP00000020546
ENSGMOP00000020547	ENSGMOP0000002034	novel gene	ENSGMOP00000020547
ENSGMOP00000020552	ENSGMOP0000002039	novel gene	ENSGMOP00000020552
ENSGMOP00000020554	ENSGMOP0000002041	novel gene	ENSGMOP00000020554
ENSGMOP00000020556	ENSGMOP0000002043	novel gene	ENSGMOP00000020556
ENSGMOP00000020593	ENSGMOP0000002080	novel gene	ENSGMOP00000020593
ENSGMOP00000020595	ENSGMOP0000002082	novel gene	ENSGMOP00000020595
ENSGMOP00000020596	ENSGMOP0000002083	novel gene	ENSGMOP00000020596
ENSGMOP00000020602	ENSGMOP0000002089	novel gene	ENSGMOP00000020602

Supplemental table 36. Fugu specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTRUG00000003952	ENSTRUP00000009355	Takifugu rubripes agouti related protein 2 (agrp2), mRNA. [Source:RefSeq mRNA;Acc:NM_001098656]	AGRP2
ENSTRUG00000008026	ENSTRUP00000019992	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSTRUG00000001327	ENSTRUP00000003060	armadillo repeat containing 2 [Source:ZFIN;Acc:ZDB-GENE-041014-7]	armc2
ENSTRUG00000001563	ENSTRUP000000038728	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSTRUG00000003467	ENSTRUP00000008132	Takifugu rubripes agouti signaling protein 1 (asip1), mRNA. [Source:RefSeq mRNA;Acc:NM_001098666]	ASIP1
ENSTRUG00000002453	ENSTRUP00000005680	Takifugu rubripes agouti signaling protein 2 (asip2), mRNA. [Source:RefSeq mRNA;Acc:NM_001098654]	asip2
ENSTRUG00000008805	ENSTRUP00000002123	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSTRUG00000001714	ENSTRUP00000003934	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSTRUG000000014087	ENSTRUP000000036050	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSTRUG000000014996	ENSTRUP000000038320	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSTRUG000000005822	ENSTRUP000000014188	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSTRUG00000009754	ENSTRUP000000024501	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C2orf71
ENSTRUG00000000944	ENSTRUP00000002238	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C4orf22
ENSTRUG000000013420	ENSTRUP000000034218	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSTRUG000000003705	ENSTRUP000000008693	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSTRUG000000016845	ENSTRUP000000043166	caldesmon 1 [Source:ZFIN;Acc:ZDB-GENE-090313-229]	cald1
ENSTRUG000000017532	ENSTRUP000000044940	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSTRUG000000014906	ENSTRUP000000038110	Takifugu rubripes T-cell surface glycoprotein CD8alpha (cd8alpha), mRNA. [Source:RefSeq mRNA;Acc:NM_001078618]	CD8ALPHA
ENSTRUG000000017986	ENSTRUP000000046087	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSTRUG00000000425	ENSTRUP000000001005	centrosomal protein 68 [Source:ZFIN;Acc:ZDB-GENE-030616-565]	cep68
ENSTRUG000000003618	ENSTRUP000000008479	Claudin 14a; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6E5T8]	CLDN14A
ENSTRUG000000011498	ENSTRUP000000029032	ceroid-lipofuscinosis, neuronal 3 [Source:ZFIN;Acc:ZDB-GENE-041114-174]	cln3
ENSTRUG000000004003	ENSTRUP000000009486	Takifugu rubripes C-type natriuretic peptide-3 (cnp-3), mRNA. [Source:RefSeq mRNA;Acc:NM_001032736]	cnp-3
ENSTRUG000000018344	ENSTRUP000000046938	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2VCJ5]	CRH-BP
ENSTRUG000000013774	ENSTRUP000000035178	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSTRUG000000004964	ENSTRUP000000011879	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSTRUG000000002424	ENSTRUP000000005616	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSTRUG000000015270	ENSTRUP000000039019	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSTRUG000000012992	ENSTRUP000000032952	Takifugu rubripes disrupted in schizophrenia 1 protein (disc1), mRNA. [Source:RefSeq mRNA;Acc:NM_001174172]	disc1
ENSTRUG000000005545	ENSTRUP000000013345	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSTRUG000000006107	ENSTRUP000000014847	eukaryotic translation elongation factor 1 epsilon 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4949]	ee1e1
ENSTRUG000000016411	ENSTRUP000000041954	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENKDI
ENSTRUG000000010432	ENSTRUP000000026267	enkurin, TRPC channel interacting protein [Source:ZFIN;Acc:ZDB-GENE-070718-1]	enkur
ENSTRUG000000006706	ENSTRUP000000016479	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSTRUG000000008831	ENSTRUP000000022194	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSTRUG000000005572	ENSTRUP000000013427	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSTRUG000000012244	ENSTRUP000000031000	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSTRUG000000002243	ENSTRUP000000005143	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSTRUG000000012448	ENSTRUP0000000031535	Takifugu rubripes interleukin-18 (il-18), mRNA. [Source:RefSeq mRNA;Acc:NM_001032632]	il-18
ENSTRUG000000008720	ENSTRUP000000021900	Takifugu rubripes interleukin-2 precursor (il-2), mRNA. [Source:RefSeq mRNA;Acc:NM_001037994]	il-2
ENSTRUG000000000248	ENSTRUP000000000504	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSTRUG000000008735	ENSTRUP000000021935	Takifugu rubripes interleukin-6 (il-6), mRNA. [Source:RefSeq mRNA;Acc:NM_001032722]	IL6
ENSTRUG000000014909	ENSTRUP000000038118	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSTRUG000000017883	ENSTRUP000000045861	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2V9H1]	ISG12
ENSTRUG000000010143	ENSTRUP000000010143	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSTRUG000000013373	ENSTRUP000000034085	Takifugu rubripes leptin (lep), mRNA. [Source:RefSeq mRNA;Acc:NM_001032725]	LEP
ENSTRUG000000007154	ENSTRUP000000017584	Takifugu rubripes toll-interleukin 1 receptor domain containing adaptor protein (mal), mRNA. [Source:RefSeq mRNA;Acc:NM_001113196]	mal
ENSTRUG000000012248	ENSTRUP000000031006	microtubule-associated protein 9 [Source:HGNC Symbol;Acc:HGNC:26118]	MAP9
ENSTRUG000000017455	ENSTRUP000000044747	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSTRUG000000008907	ENSTRUP000000022394	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTRUG000000016474	ENSTRUP000000042107	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSTRUG000000006570	ENSTRUP000000016131	Neurofibromatosis type 1 neurofibromin; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q918U3]	NF1
ENSTRUG000000004742	ENSTRUP000000011287	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmdb
ENSTRUG000000002295	ENSTRUP000000005278	nucleolar protein 7 [Source:ZFIN;Acc:ZDB-GENE-030131-9100]	no17
ENSTRUG000000004010	ENSTRUP000000009502	Takifugu rubripes atrial natriuretic peptide (nppa), mRNA. [Source:RefSeq mRNA;Acc:NM_001032565]	NPPA
ENSTRUG000000015276	ENSTRUP000000039034	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsmce1
ENSTRUG000000010300	ENSTRUP000000025924	N-terminal asparagine amidase [Source:ZFIN;Acc:ZDB-GENE-040426-1896]	ntan1
ENSTRUG00000009766	ENSTRUP000000024530	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSTRUG000000003303	ENSTRUP000000007722	poly(A) binding protein interacting protein 2B [Source:HGNC Symbol;Acc:HGNC:29200]	PAIP2B
ENSTRUG000000003517	ENSTRUP000000008258	RAD18 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-745]	rad18
ENSTRUG000000012275	ENSTRUP000000031096	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSTRUG000000015852	ENSTRUP000000040514	Takifugu rubripes RFamide-related peptide (rfrp), mRNA. [Source:RefSeq mRNA;Acc:NM_001098645]	rfrp
ENSTRUG000000000081	ENSTRUP000000000183	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing [Source:ZFIN;Acc:ZDB-GENE-030131-5736]	rltpr
ENSTRUG000000004102	ENSTRUP000000009722	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30
ENSTRUG000000013750	ENSTRUP0000000035115	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfdc1
ENSTRUG000000005672	ENSTRUP000000013730	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	sap30bp
ENSTRUG000000015997	ENSTRUP000000040902	Squamous-cell carcinoma T-cell-recognized antigen; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9DF65]	SART1
ENSTRUG000000009840	ENSTRUP000000024725	Takifugu rubripes secretory calcium-binding phosphoprotein 1 (scpp1), mRNA. [Source:RefSeq mRNA;Acc:NM_001037849]	SCPP1
ENSTRUG000000003596	ENSTRUP000000008439	Takifugu rubripes secretory calcium-binding phosphoprotein 3a (scpp3a), mRNA. [Source:RefSeq mRNA;Acc:NM_001037853]	scpp3a
ENSTRUG000000010211	ENSTRUP000000025713	Takifugu rubripes secretory calcium-binding phosphoprotein 3b (scpp3b), mRNA. [Source:RefSeq mRNA;Acc:NM_001037854]	SCPP3B
ENSTRUG000000010197	ENSTRUP000000025680	Takifugu rubripes secretory calcium-binding phosphoprotein 3c (scpp3c), mRNA. [Source:RefSeq mRNA;Acc:NM_001037855]	scpp3c

ENSTRUG00000010217	ENSTRUP00000025730	Takifugu rubripes secretory calcium-binding phosphoprotein 4 (scpp4), mRNA. [Source:RefSeq mRNA;Acc:NM_001037856]	scpp4
ENSTRUG00000004227	ENSTRUP00000010013	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSTRUG00000015059	ENSTRUP00000038474	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSTRUG00000001324	ENSTRUP00000003051	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSTRUG000000009611	ENSTRUP00000024151	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSTRUG00000005889	ENSTRUP00000014341	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSTRUG00000006710	ENSTRUP00000016493	Shadow 2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q58DX4]	SPRNB
ENSTRUG00000003455	ENSTRUP00000008103	serine/threonine kinase 11 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1022]	stk11ip
ENSTRUG00000018398	ENSTRUP00000047074	Surfeit locus protein 1 [Source:UniProtKB/Swiss-Prot;Acc:O57593]	SURF1
ENSTRUG00000009338	ENSTRUP00000023495	Takifugu rubripes taste receptor, type 2, member 1 (tas2r1), mRNA. [Source:RefSeq mRNA;Acc:NM_001078602]	tas2r1
ENSTRUG00000012969	ENSTRUP00000032899	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSTRUG00000011489	ENSTRUP00000029012	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSTRUG00000007904	ENSTRUP00000019686	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSTRUG00000016941	ENSTRUP00000043387	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSTRUG00000009812	ENSTRUP00000024660	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSTRUG00000013719	ENSTRUP00000035035	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSTRUG00000007347	ENSTRUP00000018148	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSTRUG00000006012	ENSTRUP00000014625	Takifugu rubripes tumor necrosis factor beta (tnfb), mRNA. [Source:RefSeq mRNA;Acc:NM_001037986]	tnfb
ENSTRUG00000006967	ENSTRUP00000017099	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSTRUG00000016944	ENSTRUP00000043392	UBA-like domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-050522-185]	ubald2
ENSTRUG00000011110	ENSTRUP00000028043	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSTRUG00000004661	ENSTRUP00000011071	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSTRUG00000016372	ENSTRUP00000041858	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSTRUG00000003323	ENSTRUP00000007780	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSTRUG00000011986	ENSTRUP00000030330	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSTRUG00000001853	ENSTRUP00000004272	zinc finger protein 318 [Source:HGNC Symbol;Acc:HGNC:13578]	ZNF318
ENSTRUG00000001463	ENSTRUP00000003363	novel gene	ENSTRUG00000001463
ENSTRUG00000007093	ENSTRUP00000017417	novel gene	ENSTRUG00000007093
ENSTRUG00000007988	ENSTRUP00000019887	novel gene	ENSTRUG00000007988

Supplemental table 37. Coelacanth specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLACG00000005961	ENSLACP00000006721	alpha 1,4-galactosyltransferase [Source:HGNC Symbol;Acc:HGNC:18149]	A4GALT
ENSLACG00000015560	ENSLACP00000017666	apoptotic chromatin condensation inducer 1 [Source:HGNC Symbol;Acc:HGNC:17066]	ACIN1
ENSLACG00000022406	ENSLACP00000023132	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11 [Source:HGNC Symbol;Acc:HGNC:14438]	ALS2CR11
ENSLACG00000022324	ENSLACP00000022543	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12 [Source:HGNC Symbol;Acc:HGNC:14439]	ALS2CR12
ENSLACG00000015354	ENSLACP00000017431	apratatin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:28724]	APLF
ENSLACG00000014504	ENSLACP00000016461	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) [Source:HGNC Symbol;Acc:HGNC:32152]	APOBEC4
ENSLACG00000009922	ENSLACP00000011280	apoptogenic 1, mitochondrial [Source:HGNC Symbol;Acc:HGNC:20492]	APOPT1
ENSLACG00000022629	ENSLACP00000023379	armadillo repeat containing 2 [Source:ZFIN;Acc:ZDB-GENE-041014-7]	armc2
ENSLACG00000002473	ENSLACP00000002766	armadillo repeat containing 8 [Source:HGNC Symbol;Acc:HGNC:24999]	ARMC8
ENSLACG00000022688	ENSLACP00000023658	ATP synthase protein 8 [Source:UniProtKB/Swiss-Prot;Acc:O03168]	ATP8
ENSLACG00000015519	ENSLACP00000017621	brain abundant, membrane attached signal protein 1 [Source:HGNC Symbol;Acc:HGNC:957]	BASP1
ENSLACG00000011758	ENSLACP00000013354	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C10orf53
ENSLACG00000022425	ENSLACP00000023526	chromosome 11 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:28541]	C11orf42
ENSLACG00000022407	ENSLACP00000023188	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C11orf63
ENSLACG00000022648	ENSLACP00000022579	chromosome 11 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:34444]	C11orf91
ENSLACG00000022366	ENSLACP00000022466	chromosome 14 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:19849]	C14orf39
ENSLACG00000015300	ENSLACP00000017370	chromosome 14 open reading frame 93 [Source:HGNC Symbol;Acc:HGNC:20162]	C14orf93
ENSLACG00000014217	ENSLACP00000016141	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSLACG00000018282	ENSLACP00000020812	chromosome 17 open reading frame 78 [Source:HGNC Symbol;Acc:HGNC:26831]	C17orf78
ENSLACG00000000713	ENSLACP00000000794	chromosome 17 open reading frame 98 [Source:HGNC Symbol;Acc:HGNC:34492]	C17orf98
ENSLACG00000017834	ENSLACP00000020292	chromosome 19 open reading frame 10 [Source:HGNC Symbol;Acc:HGNC:16948]	C19orf10
ENSLACG00000009645	ENSLACP00000010963	chromosome 19 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:34495]	C19orf68
ENSLACG00000022616	ENSLACP00000023634	chromosome 19 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34496]	C19orf71
ENSLACG00000006300	ENSLACP00000007101	chromosome 19 open reading frame 81 [Source:HGNC Symbol;Acc:HGNC:40041]	C19orf81
ENSLACG00000022665	ENSLACP00000023520	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSLACG00000019095	ENSLACP00000021731	chromosome 1 open reading frame 174 [Source:HGNC Symbol;Acc:HGNC:27915]	C1orf174
ENSLACG00000012433	ENSLACP00000014125	chromosome 1 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:28547]	C1orf87
ENSLACG00000003013	ENSLACP00000003370	chromosome 1 open reading frame 94 [Source:HGNC Symbol;Acc:HGNC:28250]	C1orf94
ENSLACG00000000488	ENSLACP00000000549	chromosome 20 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:15872]	C20orf26
ENSLACG00000022449	ENSLACP00000023089	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSLACG00000017805	ENSLACP00000020259	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSLACG00000004857	ENSLACP00000005460	chromosome 2 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:26216]	C2orf54
ENSLACG00000013737	ENSLACP00000015603	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C2orf71
ENSLACG00000003405	ENSLACP00000003822	chromosome 2 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:26861]	C2orf73
ENSLACG00000022499	ENSLACP00000022480	chromosome 3 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:24771]	C3orf62
ENSLACG00000022611	ENSLACP00000022043	chromosome 3 open reading frame 84 [Source:HGNC Symbol;Acc:HGNC:44666]	C3orf84
ENSLACG00000002678	ENSLACP00000002993	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSLACG00000022518	ENSLACP00000022568	chromosome 6 open reading frame 163 [Source:HGNC Symbol;Acc:HGNC:21403]	C6orf163
ENSLACG00000022545	ENSLACP00000022807	chromosome 6 open reading frame 201 [Source:HGNC Symbol;Acc:HGNC:21620]	C6orf201
ENSLACG00000007628	ENSLACP00000008631	chromosome 6 open reading frame 229 [Source:HGNC Symbol;Acc:HGNC:49394]	C6orf229
ENSLACG00000000746	ENSLACP00000000832	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSLACG00000022305	ENSLACP00000023199	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C7orf62
ENSLACG00000013706	ENSLACP00000015569	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc:HGNC:22564]	C7orf72
ENSLACG00000013319	ENSLACP00000015132	chromosome 8 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:26345]	C8orf48
ENSLACG00000015330	ENSLACP00000017403	calcium responsive transcription factor [Source:HGNC Symbol;Acc:HGNC:14435]	CARF
ENSLACG00000004902	ENSLACP00000005515	cation channel, sperm associated 3 [Source:HGNC Symbol;Acc:HGNC:20819]	CATSPER3
ENSLACG00000018989	ENSLACP00000022379	catsper channel auxiliary subunit beta [Source:HGNC Symbol;Acc:HGNC:20500]	CATSPERB
ENSLACG00000022153	ENSLACP00000023147	catsper channel auxiliary subunit delta [Source:HGNC Symbol;Acc:HGNC:28598]	CATSPERD
ENSLACG00000015383	ENSLACP00000022869	catsper channel auxiliary subunit gamma [Source:HGNC Symbol;Acc:HGNC:25243]	CATSPERG
ENSLACG00000000852	ENSLACP00000000954	coiled-coil domain containing 110 [Source:HGNC Symbol;Acc:HGNC:28504]	CCDC110
ENSLACG00000017774	ENSLACP00000020224	coiled-coil domain containing 153 [Source:HGNC Symbol;Acc:HGNC:27446]	CCDC153
ENSLACG00000022418	ENSLACP00000023592	coiled-coil domain containing 154 [Source:HGNC Symbol;Acc:HGNC:34454]	CCDC154
ENSLACG00000003879	ENSLACP00000004362	coiled-coil domain containing 169 [Source:HGNC Symbol;Acc:HGNC:34361]	CCDC169
ENSLACG00000019080	ENSLACP00000021980	coiled-coil domain containing 27 [Source:HGNC Symbol;Acc:HGNC:26546]	CCDC27
ENSLACG000000008665	ENSLACP000000009826	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSLACG00000012417	ENSLACP00000014108	coiled-coil domain containing 87 [Source:HGNC Symbol;Acc:HGNC:25579]	CCDC87
ENSLACG000000008043	ENSLACP00000009112	coiled-coil domain containing 91 [Source:HGNC Symbol;Acc:HGNC:24855]	CCDC91
ENSLACG000000009500	ENSLACP00000010789	CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]	CD2
ENSLACG00000018825	ENSLACP00000021425	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]	CD34
ENSLACG00000022675	ENSLACP00000022759	CD99 molecule [Source:HGNC Symbol;Acc:HGNC:7082]	CD99
ENSLACG00000013186	ENSLACP00000014982	CEBPZ opposite strand [Source:HGNC Symbol;Acc:HGNC:49288]	CEBPZOS
ENSLACG00000014831	ENSLACP00000016838	centromere protein C [Source:HGNC Symbol;Acc:HGNC:1854]	CENPC
ENSLACG00000022381	ENSLACP00000022070	centromere protein Q [Source:HGNC Symbol;Acc:HGNC:21347]	CENPQ
ENSLACG00000016918	ENSLACP00000019234	centrosomal protein 128kDa [Source:HGNC Symbol;Acc:HGNC:20359]	CEP128
ENSLACG00000016739	ENSLACP00000019024	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSLACG00000013207	ENSLACP00000015006	centrosomal protein 68kDa [Source:HGNC Symbol;Acc:HGNC:29076]	CEP68
ENSLACG00000018886	ENSLACP00000021492	coiled-coil-helix-coiled-coil-helix domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21645]	CHCHD2
ENSLACG00000016548	ENSLACP00000018800	chromogranin B (secretogranin 1) [Source:HGNC Symbol;Acc:HGNC:1930]	CHGB
ENSLACG00000003971	ENSLACP00000004463	CKLF-like MARVEL transmembrane domain containing 3 [Source:HGNC Symbol;Acc:HGNC:19174]	CMTM3
ENSLACG00000022340	ENSLACP00000023174	cyclic nucleotide binding domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26663]	CNBD1
ENSLACG00000022581	ENSLACP00000022760	ciliary neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:2169]	CNTF
ENSLACG00000022396	ENSLACP00000023522	collagen, type IX, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2217]	COL9A1
ENSLACG000000009951	ENSLACP00000001062	colorectal cancer associated 2 [Source:HGNC Symbol;Acc:HGNC:26978]	COLCA2
ENSLACG00000011704	ENSLACP00000013293	corticotropin releasing hormone binding protein [Source:HGNC Symbol;Acc:HGNC:2356]	CRHBP
ENSLACG00000014917	ENSLACP00000016938	colony stimulating factor 3 (granulocyte) [Source:HGNC Symbol;Acc:HGNC:2438]	CSF3
ENSLACG000000008780	ENSLACP00000009964	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22

ENSLACG00000015215	ENSLACP00000017274	cysteine/tyrosine-rich 1 [Source:HGNC Symbol;Acc:HGNC:16274]	CYYR1
ENSLACG00000013512	ENSLACP00000022173	doublecortin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20625]	DCDC1
ENSLACG00000016228	ENSLACP00000018426	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENSLACG00000000448	ENSLACP00000000503	E2F transcription factor 7 [Source:ZFIN;Acc:ZDB-GENE-030131-3527]	e2f7
ENSLACG00000013572	ENSLACP00000015417	EF-hand calcium binding domain 12 [Source:HGNC Symbol;Acc:HGNC:28061]	EFCAB12
ENSLACG00000014844	ENSLACP00000016852	EF-hand calcium binding domain 5 [Source:HGNC Symbol;Acc:HGNC:24801]	EFCAB5
ENSLACG00000009380	ENSLACP00000023589	EF-hand calcium binding domain 9 [Source:HGNC Symbol;Acc:HGNC:34530]	EFCAB9
ENSLACG00000015037	ENSLACP00000017065	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENKD1
ENSLACG00000011386	ENSLACP00000012929	glutamate-rich 1 [Source:HGNC Symbol;Acc:HGNC:27234]	ERICH1
ENSLACG00000009049	ENSLACP00000010272	ER membrane-associated RNA degradation [Source:HGNC Symbol;Acc:HGNC:21056]	ERMARD
ENSLACG00000006530	ENSLACP00000007359	ermin, ERM-like protein [Source:HGNC Symbol;Acc:HGNC:29208]	ERMN
ENSLACG00000017746	ENSLACP00000020191	family with sequence similarity 118, member B [Source:HGNC Symbol;Acc:HGNC:26110]	FAM118B
ENSLACG00000007856	ENSLACP00000008894	family with sequence similarity 174, member A [Source:HGNC Symbol;Acc:HGNC:24943]	FAM174A
ENSLACG00000007592	ENSLACP00000023469	family with sequence similarity 174, member B [Source:HGNC Symbol;Acc:HGNC:34339]	FAM174B
ENSLACG00000013162	ENSLACP00000014954	family with sequence similarity 220, member A [Source:HGNC Symbol;Acc:HGNC:22422]	FAM220A
ENSLACG00000018101	ENSLACP00000020598	FANCD2 opposite strand [Source:HGNC Symbol;Acc:HGNC:28623]	FANCD2OS
ENSLACG00000014861	ENSLACP00000016872	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FND9
ENSLACG00000003306	ENSLACP00000003714	GAR1 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:14264]	GAR1
ENSLACG00000018387	ENSLACP00000020928	glycerate kinase [Source:HGNC Symbol;Acc:HGNC:24247]	GLYCK
ENSLACG00000016897	ENSLACP00000019208	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:HGNC Symbol;Acc:HGNC:4419]	GNRH1
ENSLACG00000022644	ENSLACP00000021977	HEAT repeat containing 9 [Source:HGNC Symbol;Acc:HGNC:26548]	HEATR9
ENSLACG00000001850	ENSLACP00000002071	heparan-alpha-glucosaminide N-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:26527]	HGSNAT
ENSLACG00000009397	ENSLACP00000010668	integrin-binding sialoprotein [Source:HGNC Symbol;Acc:HGNC:5341]	IBSP
ENSLACG00000022257	ENSLACP00000023629	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides [Source:HGNC Symbol;Acc:HGNC:14900]	IGJ
ENSLACG00000022302	ENSLACP00000021930	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	IL18
ENSLACG00000004564	ENSLACP00000005135	interleukin 22 [Source:HGNC Symbol;Acc:HGNC:14900]	IL22
ENSLACG00000008559	ENSLACP00000009707	interleukin 23 receptor [Source:ZFIN;Acc:ZDB-GENE-080107-5]	il23r
ENSLACG00000008220	ENSLACP00000009318	interleukin 6 [Source:HGNC Symbol;Acc:HGNC:6018]	IL6
ENSLACG00000004453	ENSLACP00000005011	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:14598]	IMMP2L
ENSLACG00000000016	ENSLACP00000000019	INO80 complex subunit E [Source:HGNC Symbol;Acc:HGNC:26905]	INO80E
ENSLACG00000016197	ENSLACP00000018390	IQ motif containing E [Source:HGNC Symbol;Acc:HGNC:29171]	IQCE
ENSLACG00000013503	ENSLACP00000015338	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSLACG00000011259	ENSLACP00000012781	IQ motif containing K [Source:HGNC Symbol;Acc:HGNC:28556]	IQCK
ENSLACG00000022377	ENSLACP00000023166	integrin beta 3 binding protein (beta3-endonexin) [Source:HGNC Symbol;Acc:HGNC:6157]	ITGB3BP
ENSLACG00000022138	ENSLACP00000023596	izumo sperm-egg fusion 1 [Source:HGNC Symbol;Acc:HGNC:28539]	IZUMO1
ENSLACG00000017507	ENSLACP00000019915	katanin p80 subunit B-like 1 [Source:HGNC Symbol;Acc:HGNC:26199]	KATNB1
ENSLACG00000000410	ENSLACP00000004959	potassium voltage-gated channel, Isk-related family, member 3 [Source:HGNC Symbol;Acc:HGNC:6243]	KCNE3
ENSLACG00000003801	ENSLACP00000004269	potassium voltage-gated channel, Isk-related family, member 4 [Source:HGNC Symbol;Acc:HGNC:6244]	KCNE4
ENSLACG00000022329	ENSLACP00000023067	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]	KIAA0040
ENSLACG00000017688	ENSLACP00000020127	kinetochore-localized astrin/SPAG5 binding protein [Source:HGNC Symbol;Acc:HGNC:30767]	KNSTRN
ENSLACG00000005495	ENSLACP00000006197	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A976]	LACH-UX-02
ENSLACG00000010336	ENSLACP00000011741	leukocyte receptor cluster (LRC) member 1 [Source:HGNC Symbol;Acc:HGNC:15502]	LENG1
ENSLACG00000011605	ENSLACP00000013176	ligand dependent nuclear receptor interacting factor 1 [Source:HGNC Symbol;Acc:HGNC:30299]	LRIF1
ENSLACG00000018203	ENSLACP00000020716	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSLACG00000008630	ENSLACP00000023276	maelstrom spermatogenic transposon silencer [Source:HGNC Symbol;Acc:HGNC:25929]	MAEL
ENSLACG00000017321	ENSLACP00000019699	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSLACG00000022293	ENSLACP00000022061	myelin basic protein [Source:HGNC Symbol;Acc:HGNC:6925]	MBP
ENSLACG00000003598	ENSLACP00000004041	mitochondrial ribosomal protein L50 [Source:HGNC Symbol;Acc:HGNC:16654]	MRP150
ENSLACG00000000418	ENSLACP00000000470	mucin 16, cell surface associated [Source:HGNC Symbol;Acc:HGNC:15582]	MUC16
ENSLACG00000022207	ENSLACP00000023282	marginal zone B and B1 cell-specific protein [Source:HGNC Symbol;Acc:HGNC:30125]	MZB1
ENSLACG00000003221	ENSLACP00000003614	N-acyl phosphatidylethanolamine phospholipase D [Source:HGNC Symbol;Acc:HGNC:21683]	NAPEPLD
ENSLACG00000004081	ENSLACP00000004584	NmrA-like family domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24987]	NMRAL1
ENSLACG00000022457	ENSLACP00000022980	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nanr
ENSLACG00000005135	ENSLACP00000005785	non-SMC element 1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:29897]	NSMCE1
ENSLACG00000012381	ENSLACP00000014065	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:HGNC Symbol;Acc:HGNC:26200]	OBFC1
ENSLACG00000016886	ENSLACP00000019196	osteoecrin [Source:HGNC Symbol;Acc:HGNC:29961]	OSTN
ENSLACG00000005875	ENSLACP00000006624	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	PARM1
ENSLACG00000012356	ENSLACP00000014037	PRKC, apoptosis, WT1, regulator [Source:HGNC Symbol;Acc:HGNC:8614]	PAWR
ENSLACG00000022541	ENSLACP00000022260	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSLACG00000011197	ENSLACP00000012713	PILR alpha associated neural protein [Source:HGNC Symbol;Acc:HGNC:25338]	PIANP
ENSLACG00000017457	ENSLACP00000019856	phosphatidylinositol glycan anchor biosynthesis, class Z [Source:HGNC Symbol;Acc:HGNC:30596]	PIGZ
ENSLACG00000008458	ENSLACP00000009592	pin2/trf1-interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-030515-2]	pinx1
ENSLACG00000018406	ENSLACP00000020949	protein phosphatase 1, regulatory subunit 26 [Source:HGNC Symbol;Acc:HGNC:29089]	PPP1R26
ENSLACG00000018437	ENSLACP00000020984	RAD18 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:18278]	RAD18
ENSLACG00000010311	ENSLACP00000011714	RNA binding motif protein 48 [Source:HGNC Symbol;Acc:HGNC:21785]	RBM48
ENSLACG00000015158	ENSLACP00000017208	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSLACG00000001657	ENSLACP00000001858	regulator of G-protein signaling like 1 [Source:HGNC Symbol;Acc:HGNC:18636]	RGLS1
ENSLACG00000009613	ENSLACP00000010925	RBP1 interacting and tubulin associated 1 [Source:HGNC Symbol;Acc:HGNC:25925]	RITA1
ENSLACG00000000484	ENSLACP00000000545	ring finger protein 220a [Source:ZFIN;Acc:ZDB-GENE-060929-1006]	rnf220a
ENSLACG00000006916	ENSLACP00000007809	ring finger protein 32 [Source:ZFIN;Acc:ZDB-GENE-061013-39]	rnf32
ENSLACG00000018226	ENSLACP00000020747	RPA interacting protein [Source:HGNC Symbol;Acc:HGNC:28641]	RPAIN
ENSLACG00000002534	ENSLACP00000002836	ribonuclease P/MRP 30kDa subunit [Source:HGNC Symbol;Acc:HGNC:17688]	RPP30
ENSLACG00000016541	ENSLACP00000018791	replication termination factor 2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15890]	RTFDC1
ENSLACG00000003226	ENSLACP00000003619	sterile alpha motif domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21574]	SAMD3
ENSLACG00000017885	ENSLACP00000020356	SHC SH2-domain binding protein 1-like [Source:HGNC Symbol;Acc:HGNC:16788]	SHCBP1L
ENSLACG00000018821	ENSLACP00000021421	shisa family member 5 [Source:HGNC Symbol;Acc:HGNC:30376]	SHISA5
ENSLACG00000001367	ENSLACP00000001529	si:ch211-116o3.3 [Source:ZFIN;Acc:ZDB-GENE-131121-462]	si:ch211-116o3.3
ENSLACG00000001895	ENSLACP00000002119	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSLACG00000017980	ENSLACP00000020457	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6

ENSLACG00000015036	ENSLACP00000017064	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSLACG00000013789	ENSLACP00000015663	si:ch211-66k16.28 [Source:ZFIN;Acc:ZDB-GENE-120709-59]	si:ch211-66k16.28
ENSLACG00000022607	ENSLACP00000022491	si:ch73-222h13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-144]	si:ch73-222h13.1
ENSLACG00000017646	ENSLACP00000020078	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSLACG00000001532	ENSLACP00000001711	si:ch73-41e3.7 [Source:ZFIN;Acc:ZDB-GENE-090313-163]	si:ch73-41e3.7
ENSLACG00000008096	ENSLACP00000009172	si:dkey-178e17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-335]	si:dkey-178e17.3
ENSLACG00000016948	ENSLACP00000019266	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSLACG00000009252	ENSLACP00000010502	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSLACG00000004668	ENSLACP00000005254	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSLACG00000022317	ENSLACP00000022790	SLX4 interacting protein [Source:HGNC Symbol;Acc:HGNC:16225]	SLX4IP
ENSLACG00000006621	ENSLACP00000007470	sperm acrosome associated 1 [Source:HGNC Symbol;Acc:HGNC:14967]	SPACA1
ENSLACG00000009904	ENSLACP00000011258	spermatogenesis associated 24 [Source:HGNC Symbol;Acc:HGNC:27322]	SPATA24
ENSLACG00000022172	ENSLACP00000022722	stathmin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:44668]	STMND1
ENSLACG00000018227	ENSLACP00000020748	surfeit 1 [Source:HGNC Symbol;Acc:HGNC:11474]	SURF1
ENSLACG00000015250	ENSLACP00000017314	SWIM-type zinc finger 7 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:26638]	SWSAP1
ENSLACG00000016662	ENSLACP00000018940	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa [Source:HGNC Symbol;Acc:HGNC:28759]	TAF1D
ENSLACG00000005278	ENSLACP00000005947	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 140kDa [Source:HGNC Symbol;Acc:HGNC:17303]	TAF3
ENSLACG000000014771	ENSLACP00000016766	tudor domain containing 10 [Source:HGNC Symbol;Acc:HGNC:25316]	TDRD10
ENSLACG00000022491	ENSLACP00000023229	testis, prostate and placenta expressed [Source:HGNC Symbol;Acc:HGNC:33745]	TEPP
ENSLACG00000000650	ENSLACP00000000725	testis expressed 33 [Source:HGNC Symbol;Acc:HGNC:28568]	TEX33
ENSLACG00000022335	ENSLACP00000023452	Thy-1 cell surface antigen [Source:HGNC Symbol;Acc:HGNC:11801]	THY1
ENSLACG00000016193	ENSLACP00000018386	tigger transposable element derived 7 [Source:HGNC Symbol;Acc:HGNC:18331]	TIGD7
ENSLACG00000017866	ENSLACP00000020333	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:HGNC Symbol;Acc:HGNC:17192]	TIRAP
ENSLACG00000014177	ENSLACP00000016096	transmembrane protein 129 [Source:HGNC Symbol;Acc:HGNC:25137]	TMEM129
ENSLACG00000007025	ENSLACP00000007937	transmembrane protein 130 [Source:HGNC Symbol;Acc:HGNC:25429]	TMEM130
ENSLACG00000001897	ENSLACP00000002121	transmembrane protein 143 [Source:HGNC Symbol;Acc:HGNC:25603]	TMEM143
ENSLACG00000009377	ENSLACP00000010645	transmembrane protein 171 [Source:HGNC Symbol;Acc:HGNC:27031]	TMEM171
ENSLACG00000002737	ENSLACP00000003058	transmembrane protein 206 [Source:HGNC Symbol;Acc:HGNC:25593]	TMEM206
ENSLACG00000007107	ENSLACP00000008031	transmembrane protein 215 [Source:HGNC Symbol;Acc:HGNC:33816]	TMEM215
ENSLACG00000016867	ENSLACP00000019174	transmembrane protein 217 [Source:HGNC Symbol;Acc:HGNC:21238]	TMEM217
ENSLACG00000022304	ENSLACP00000022273	transmembrane protein 232 [Source:HGNC Symbol;Acc:HGNC:37270]	TMEM232
ENSLACG00000009546	ENSLACP00000010844	transmembrane protein 237 [Source:HGNC Symbol;Acc:HGNC:14432]	TMEM237
ENSLACG00000004243	ENSLACP00000004774	transmembrane protein 246 [Source:HGNC Symbol;Acc:HGNC:28180]	TMEM246
ENSLACG00000022330	ENSLACP00000023225	transmembrane protein 249 [Source:HGNC Symbol;Acc:HGNC:44155]	TMEM249
ENSLACG00000019128	ENSLACP00000021766	transmembrane protein 52 [Source:HGNC Symbol;Acc:HGNC:27916]	TMEM52
ENSLACG00000002479	ENSLACP00000002773	transmembrane protein 72 [Source:HGNC Symbol;Acc:HGNC:31658]	TMEM72
ENSLACG00000022440	ENSLACP00000022347	transmembrane protein 95 [Source:HGNC Symbol;Acc:HGNC:27898]	TMEM95
ENSLACG00000017990	ENSLACP00000020468	transmembrane protein 97 [Source:HGNC Symbol;Acc:HGNC:28106]	TMEM97
ENSLACG00000009403	ENSLACP00000010674	tumor necrosis factor receptor superfamily, member 1A [Source:HGNC Symbol;Acc:HGNC:11916]	TNFRSF1A
ENSLACG00000013134	ENSLACP00000014925	TP53RK binding protein [Source:HGNC Symbol;Acc:HGNC:24259]	TPRKB
ENSLACG00000000797	ENSLACP00000000885	three prime repair exonuclease 2 [Source:HGNC Symbol;Acc:HGNC:12270]	TREX2
ENSLACG00000022459	ENSLACP00000022231	testis specific, 13 [Source:HGNC Symbol;Acc:HGNC:12369]	TSGA13
ENSLACG00000006689	ENSLACP00000007546	tetraspanin 32 [Source:HGNC Symbol;Acc:HGNC:13410]	TSPAN32
ENSLACG00000009233	ENSLACP00000010481	tetratricopeptide repeat domain 23 [Source:HGNC Symbol;Acc:HGNC:25730]	TTC23
ENSLACG00000007252	ENSLACP00000008190	tetratricopeptide repeat domain 23-like [Source:HGNC Symbol;Acc:HGNC:26355]	TTC23L
ENSLACG0000001272	ENSLACP0000001422	tetratricopeptide repeat domain 33 [Source:HGNC Symbol;Acc:HGNC:29959]	TTC33
ENSLACG00000015727	ENSLACP00000017853	UBA-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29576]	UBALD1
ENSLACG00000018143	ENSLACP00000020648	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSLACG00000000298	ENSLACP00000000330	WAS/WASL interacting protein family, member 1 [Source:HGNC Symbol;Acc:HGNC:12736]	WIPF1
ENSLACG00000008007	ENSLACP00000009071	zinc finger CCCH-type containing 18 [Source:HGNC Symbol;Acc:HGNC:25091]	ZC3H18
ENSLACG00000000339	ENSLACP00000000376	zinc finger CCCH-type containing 3 [Source:HGNC Symbol;Acc:HGNC:28972]	ZC3H3
ENSLACG00000012632	ENSLACP00000014352	zinc finger, CCHC domain containing 7 [Source:HGNC Symbol;Acc:HGNC:26209]	ZCCHC7
ENSLACG00000014216	ENSLACP00000016139	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSLACG00000015617	ENSLACP00000017731	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSLACG00000010593	ENSLACP00000012034	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSLACG00000013762	ENSLACP00000015634	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSLACG00000000019	ENSLACP00000000025	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSLACG00000008201	ENSLACP00000009298	zgc:195023 [Source:ZFIN;Acc:ZDB-GENE-081022-175]	zgc:195023
ENSLACG00000014567	ENSLACP00000016531	ZMYM6 neighbor [Source:HGNC Symbol;Acc:HGNC:40021]	ZMYM6NB
ENSLACG00000012523	ENSLACP00000023069	zona pellucida binding protein 2 [Source:HGNC Symbol;Acc:HGNC:20678]	ZBPB2
ENSLACG00000018716	ENSLACP00000021298	zinc finger, SWIM-type containing 1 [Source:HGNC Symbol;Acc:HGNC:16155]	ZSWIM1
ENSLACG00000018710	ENSLACP00000021291	zinc finger, SWIM-type containing 3 [Source:HGNC Symbol;Acc:HGNC:16157]	ZSWIM3
ENSLACG00000000008	ENSLACP00000000009	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR17]	ENSLACG00000000008
ENSLACG00000000039	ENSLACP00000000045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRM4]	ENSLACG00000000039
ENSLACG00000000051	ENSLACP00000000058	Metallothionein [Source:UniProtKB/TrEMBL;Acc:H2ZRN7]	ENSLACG00000000051
ENSLACG00000000068	ENSLACP00000000078	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRQ7]	ENSLACG00000000068
ENSLACG00000000123	ENSLACP00000000140	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRW9]	ENSLACG00000000123
ENSLACG000000000141	ENSLACP000000000158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRY7]	ENSLACG000000000141
ENSLACG00000000152	ENSLACP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR28]	ENSLACG00000000152
ENSLACG00000000153	ENSLACP00000000170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR29]	ENSLACG00000000153
ENSLACG00000000176	ENSLACP00000000195	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS24]	ENSLACG00000000176
ENSLACG00000000181	ENSLACP00000000200	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS29]	ENSLACG00000000181
ENSLACG00000000200	ENSLACP00000000221	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS50]	ENSLACG00000000200
ENSLACG00000000232	ENSLACP00000000258	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS87]	ENSLACG00000000232
ENSLACG000000000317	ENSLACP000000000351	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZSIO]	ENSLACG000000000317
ENSLACG000000000321	ENSLACP000000000355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS14]	ENSLACG000000000321
ENSLACG000000000413	ENSLACP000000000463	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSU2]	ENSLACG000000000413
ENSLACG000000000429	ENSLACP000000000481	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZSW0]	ENSLACG000000000429
ENSLACG000000000459	ENSLACP000000000519	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZS28]	ENSLACG000000000459

ENSLACG0000000469	ENSLACP0000000530	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT09]	ENSLACG0000000469
ENSLACG0000000491	ENSLACP0000000552	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZT31]	ENSLACG0000000491
ENSLACG0000000544	ENSLACP0000000612	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT91]	ENSLACG0000000544
ENSLACG0000000577	ENSLACP0000000647	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT66]	ENSLACG0000000577
ENSLACG0000000629	ENSLACP0000000703	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZT12]	ENSLACG0000000629
ENSLACG0000000630	ENSLACP0000000704	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT13]	ENSLACG0000000630
ENSLACG0000000644	ENSLACP0000000719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTJ8]	ENSLACG0000000644
ENSLACG0000000655	ENSLACP0000000730	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTK9]	ENSLACG0000000655
ENSLACG0000000678	ENSLACP0000000757	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZTN6]	ENSLACG0000000678
ENSLACG0000000737	ENSLACP0000000823	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTV1]	ENSLACG0000000737
ENSLACG0000000739	ENSLACP0000000825	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTV4]	ENSLACG0000000739
ENSLACG0000000777	ENSLACP0000000864	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTZ3]	ENSLACG0000000777
ENSLACG0000000801	ENSLACP0000000889	novel gene	ENSLACG0000000801
ENSLACG0000000805	ENSLACP0000000895	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZU24]	ENSLACG0000000805
ENSLACG0000000854	ENSLACP0000000956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZU85]	ENSLACG0000000854
ENSLACG0000000960	ENSLACP0000001072	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUK1]	ENSLACG0000000960
ENSLACG0000000987	ENSLACP0000001103	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUN2]	ENSLACG0000000987
ENSLACG0000001003	ENSLACP0000001120	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUP9]	ENSLACG0000001003
ENSLACG0000001021	ENSLACP0000001140	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZUR9]	ENSLACG0000001021
ENSLACG0000001042	ENSLACP0000001164	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUU3]	ENSLACG0000001042
ENSLACG0000001053	ENSLACP0000001176	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUV5]	ENSLACG0000001053
ENSLACG0000001061	ENSLACP0000001185	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZUW4]	ENSLACG0000001061
ENSLACG0000001092	ENSLACP0000001218	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUZ7]	ENSLACG0000001092
ENSLACG0000001113	ENSLACP0000001241	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZV20]	ENSLACG0000001113
ENSLACG0000001135	ENSLACP0000001266	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZV45]	ENSLACG0000001135
ENSLACG0000001242	ENSLACP0000001385	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZV64]	ENSLACG0000001242
ENSLACG0000001246	ENSLACP0000001389	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZVG8]	ENSLACG0000001246
ENSLACG0000001273	ENSLACP0000001423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZVK2]	ENSLACG0000001273
ENSLACG0000001301	ENSLACP0000001456	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZVN5]	ENSLACG0000001301
ENSLACG0000001303	ENSLACP0000001459	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZVN8]	ENSLACG0000001303
ENSLACG0000001331	ENSLACP0000001487	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZVR6]	ENSLACG0000001331
ENSLACG0000001370	ENSLACP0000001532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZVW1]	ENSLACG0000001370
ENSLACG0000001372	ENSLACP0000001534	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZVW3]	ENSLACG0000001372
ENSLACG0000001418	ENSLACP0000001589	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZWI8]	ENSLACG0000001418
ENSLACG0000001510	ENSLACP0000001687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWB6]	ENSLACG0000001510
ENSLACG0000001522	ENSLACP0000001701	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWD0]	ENSLACG0000001522
ENSLACG0000001555	ENSLACP0000001741	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWH0]	ENSLACG0000001555
ENSLACG0000001556	ENSLACP0000001742	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWH1]	ENSLACG0000001556
ENSLACG0000001578	ENSLACP0000001767	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWJ6]	ENSLACG0000001578
ENSLACG0000001580	ENSLACP0000001769	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZWM8]	ENSLACG0000001580
ENSLACG0000001605	ENSLACP0000001799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWM7]	ENSLACG0000001605
ENSLACG0000001632	ENSLACP0000001829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWQ8]	ENSLACG0000001632
ENSLACG0000001663	ENSLACP0000001864	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWU3]	ENSLACG0000001663
ENSLACG0000001712	ENSLACP0000001916	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZWZ5]	ENSLACG0000001712
ENSLACG0000001728	ENSLACP0000001935	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZX14]	ENSLACG0000001728
ENSLACG0000001744	ENSLACP0000001953	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZX32]	ENSLACG0000001744
ENSLACG0000001751	ENSLACP0000001960	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZX39]	ENSLACG0000001751
ENSLACG0000001774	ENSLACP0000001984	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZX63]	ENSLACG0000001774
ENSLACG0000001867	ENSLACP0000002087	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZXG6]	ENSLACG0000001867
ENSLACG0000001874	ENSLACP0000002095	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZXH4]	ENSLACG0000001874
ENSLACG0000001988	ENSLACP0000002226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZXV5]	ENSLACG0000001988
ENSLACG0000002015	ENSLACP0000002257	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZXY6]	ENSLACG0000002015
ENSLACG0000002046	ENSLACP0000002291	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZY20]	ENSLACG0000002046
ENSLACG0000002069	ENSLACP0000002316	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZY45]	ENSLACG0000002069
ENSLACG0000002071	ENSLACP0000002319	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZY48]	ENSLACG0000002071
ENSLACG0000002144	ENSLACP0000002399	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZYC8]	ENSLACG0000002144
ENSLACG0000002192	ENSLACP0000002455	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZYI4]	ENSLACG0000002192
ENSLACG0000002230	ENSLACP0000002499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZYM8]	ENSLACG0000002230
ENSLACG0000002255	ENSLACP0000002525	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZYQ4]	ENSLACG0000002255
ENSLACG0000002259	ENSLACP0000002529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZYQ8]	ENSLACG0000002259
ENSLACG0000002280	ENSLACP0000002551	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZYT0]	ENSLACG0000002280
ENSLACG0000002292	ENSLACP0000002567	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H2ZYU6]	ENSLACG0000002292
ENSLACG0000002388	ENSLACP0000002670	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZZ49]	ENSLACG0000002388
ENSLACG0000002448	ENSLACP0000002738	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZZB7]	ENSLACG0000002448
ENSLACG0000002663	ENSLACP0000002977	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A006]	ENSLACG0000002663
ENSLACG0000002771	ENSLACP0000003093	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A0C2]	ENSLACG0000002771
ENSLACG0000002845	ENSLACP0000003186	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A0L5]	ENSLACG0000002845
ENSLACG0000002847	ENSLACP0000003188	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A0L7]	ENSLACG0000002847
ENSLACG0000002899	ENSLACP0000003242	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A0S1]	ENSLACG0000002899
ENSLACG0000002911	ENSLACP0000003254	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A0T3]	ENSLACG0000002911
ENSLACG0000002931	ENSLACP0000003277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A0V6]	ENSLACG0000002931
ENSLACG0000002939	ENSLACP0000003286	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A0W5]	ENSLACG0000002939
ENSLACG0000002947	ENSLACP0000003294	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A0X3]	ENSLACG0000002947
ENSLACG0000002953	ENSLACP0000003301	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A0Y0]	ENSLACG0000002953
ENSLACG0000002996	ENSLACP0000003349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A128]	ENSLACG0000002996
ENSLACG0000003082	ENSLACP0000003454	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A1D3]	ENSLACG0000003082
ENSLACG0000003104	ENSLACP0000003480	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A1F9]	ENSLACG0000003104
ENSLACG0000003189	ENSLACP0000003582	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A1R1]	ENSLACG0000003189
ENSLACG0000003278	ENSLACP0000003684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A213]	ENSLACG0000003278

ENSLACG00000003355	ENSLACP00000003767	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A296]	ENSLACG00000003355
ENSLACG00000003395	ENSLACP00000003810	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A2D9]	ENSLACG00000003395
ENSLACG00000003431	ENSLACP00000003854	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A2I3]	ENSLACG00000003431
ENSLACG00000003439	ENSLACP00000003862	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A2I1]	ENSLACG00000003439
ENSLACG00000003462	ENSLACP00000003885	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A2L4]	ENSLACG00000003462
ENSLACG00000003496	ENSLACP00000003927	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A2Q6]	ENSLACG00000003496
ENSLACG00000003513	ENSLACP00000003948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A2S7]	ENSLACG00000003513
ENSLACG00000003692	ENSLACP00000004151	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3D0]	ENSLACG00000003692
ENSLACG00000003704	ENSLACP00000004166	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3E5]	ENSLACG00000003704
ENSLACG00000003709	ENSLACP00000004171	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3F0]	ENSLACG00000003709
ENSLACG00000003761	ENSLACP00000004227	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3K6]	ENSLACG00000003761
ENSLACG00000003778	ENSLACP00000004244	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3M3]	ENSLACG00000003778
ENSLACG00000003790	ENSLACP00000004256	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3N5]	ENSLACG00000003790
ENSLACG00000003792	ENSLACP00000004258	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3N7]	ENSLACG00000003792
ENSLACG00000003799	ENSLACP00000004267	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3P6]	ENSLACG00000003799
ENSLACG00000003809	ENSLACP00000004280	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A3Q9]	ENSLACG00000003809
ENSLACG00000003830	ENSLACP00000004305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3T4]	ENSLACG00000003830
ENSLACG00000003874	ENSLACP00000004357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A3V6]	ENSLACG00000003874
ENSLACG00000003921	ENSLACP00000004410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A439]	ENSLACG00000003921
ENSLACG00000004019	ENSLACP00000004517	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A4E6]	ENSLACG00000004019
ENSLACG00000004031	ENSLACP00000004529	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A4F8]	ENSLACG00000004031
ENSLACG00000004033	ENSLACP00000004531	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A4G0]	ENSLACG00000004033
ENSLACG00000004045	ENSLACP00000004543	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A4H2]	ENSLACG00000004045
ENSLACG00000004069	ENSLACP00000004571	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A4K0]	ENSLACG00000004069
ENSLACG00000004129	ENSLACP00000004639	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A4R8]	ENSLACG00000004129
ENSLACG00000004313	ENSLACP00000004850	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A5C9]	ENSLACG00000004313
ENSLACG00000004325	ENSLACP00000004867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A5E6]	ENSLACG00000004325
ENSLACG00000004403	ENSLACP00000004952	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A5N1]	ENSLACG00000004403
ENSLACG00000004428	ENSLACP00000004980	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A5O9]	ENSLACG00000004428
ENSLACG00000004434	ENSLACP00000004987	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A5R6]	ENSLACG00000004434
ENSLACG00000004480	ENSLACP00000005038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A5W7]	ENSLACG00000004480
ENSLACG00000004525	ENSLACP00000005089	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A6I7]	ENSLACG00000004525
ENSLACG00000004547	ENSLACP00000005114	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A643]	ENSLACG00000004547
ENSLACG00000004615	ENSLACP00000005196	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A6C5]	ENSLACG00000004615
ENSLACG00000004671	ENSLACP00000005257	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A6I6]	ENSLACG00000004671
ENSLACG00000004748	ENSLACP00000005340	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A6R9]	ENSLACG00000004748
ENSLACG00000004770	ENSLACP00000005366	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A6U5]	ENSLACG00000004770
ENSLACG00000005101	ENSLACP00000005746	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A7X5]	ENSLACG00000005101
ENSLACG00000005130	ENSLACP00000005780	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A809]	ENSLACG00000005130
ENSLACG00000005141	ENSLACP00000005792	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A821]	ENSLACG00000005141
ENSLACG00000005163	ENSLACP00000005816	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A845]	ENSLACG00000005163
ENSLACG00000005178	ENSLACP00000005830	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A859]	ENSLACG00000005178
ENSLACG00000005213	ENSLACP00000005870	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3A899]	ENSLACG00000005213
ENSLACG00000005240	ENSLACP00000005904	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8D3]	ENSLACG00000005240
ENSLACG00000005287	ENSLACP00000005956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8I5]	ENSLACG00000005287
ENSLACG00000005296	ENSLACP00000005966	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8J5]	ENSLACG00000005296
ENSLACG00000005339	ENSLACP00000006014	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8P3]	ENSLACG00000005339
ENSLACG00000005343	ENSLACP00000006019	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8P8]	ENSLACG00000005343
ENSLACG00000005372	ENSLACP00000006051	novel gene	ENSLACG00000005372
ENSLACG00000005389	ENSLACP00000006072	novel gene	ENSLACG00000005389
ENSLACG00000005405	ENSLACP00000006089	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8W8]	ENSLACG00000005405
ENSLACG00000005424	ENSLACP00000006111	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A8Z0]	ENSLACG00000005424
ENSLACG00000005573	ENSLACP00000006283	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A9G2]	ENSLACG00000005573
ENSLACG00000005663	ENSLACP00000006381	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A9R0]	ENSLACG00000005663
ENSLACG00000005686	ENSLACP00000006409	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A9T8]	ENSLACG00000005686
ENSLACG00000005801	ENSLACP00000006544	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3AA73]	ENSLACG00000005801
ENSLACG00000005830	ENSLACP00000006576	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3AAA5]	ENSLACG00000005830
ENSLACG00000005933	ENSLACP00000006690	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3AAI9]	ENSLACG00000005933
ENSLACG00000005951	ENSLACP00000006710	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3AAN9]	ENSLACG00000005951
ENSLACG00000006083	ENSLACP00000006854	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3AB33]	ENSLACG00000006083
ENSLACG00000006135	ENSLACP00000006911	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3AB90]	ENSLACG00000006135
ENSLACG00000006174	ENSLACP00000006954	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ABD3]	ENSLACG00000006174
ENSLACG00000006183	ENSLACP00000006963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ABE2]	ENSLACG00000006183
ENSLACG00000006203	ENSLACP00000006986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ABG5]	ENSLACG00000006203
ENSLACG00000006270	ENSLACP00000007065	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ABF4]	ENSLACG00000006270
ENSLACG00000006290	ENSLACP00000007089	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ABR8]	ENSLACG00000006290
ENSLACG00000006318	ENSLACP00000007122	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3ABV1]	ENSLACG00000006318
ENSLACG00000006334	ENSLACP00000007139	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ABW8]	ENSLACG00000006334
ENSLACG00000006380	ENSLACP00000007190	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3AC19]	ENSLACG00000006380
ENSLACG00000006466	ENSLACP00000007291	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ACC0]	ENSLACG00000006466
ENSLACG00000006476	ENSLACP00000007303	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ACD2]	ENSLACG00000006476
ENSLACG00000006478	ENSLACP00000007305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ACD4]	ENSLACG00000006478
ENSLACG00000006491	ENSLACP00000007318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ACE7]	ENSLACG00000006491
ENSLACG00000006559	ENSLACP00000007399	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ACM8]	ENSLACG00000006559
ENSLACG00000006587	ENSLACP00000007429	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ACD8]	ENSLACG00000006587
ENSLACG00000006706	ENSLACP00000007568	Taste receptor type 2 [Source:UniProtKB/TrEMBL;Acc:H3AD47]	ENSLACG00000006706
ENSLACG00000006793	ENSLACP00000007666	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ADE5]	ENSLACG00000006793
ENSLACG00000006798	ENSLACP00000007674	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ADF3]	ENSLACG00000006798
ENSLACG00000006804	ENSLACP00000007680	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3ADF9]	ENSLACG00000006804

ENSLACG00000018123	ENSLACP00000020624	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BF3]	ENSLACG00000018123
ENSLACG00000018284	ENSLACP00000020814	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BF23]	ENSLACG00000018284
ENSLACG00000018345	ENSLACP00000020880	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BG59]	ENSLACG00000018345
ENSLACG00000018565	ENSLACP00000021132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BGW1]	ENSLACG00000018565
ENSLACG00000018734	ENSLACP00000021318	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BHE7]	ENSLACG00000018734
ENSLACG00000018748	ENSLACP00000021337	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BHG6]	ENSLACG00000018748
ENSLACG00000019018	ENSLACP00000021645	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIC4]	ENSLACG00000019018
ENSLACG00000019076	ENSLACP00000021710	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BI19]	ENSLACG00000019076
ENSLACG00000019077	ENSLACP00000021711	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIJ0]	ENSLACG00000019077
ENSLACG00000019145	ENSLACP00000021785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BIR4]	ENSLACG00000019145
ENSLACG00000022387	ENSLACP00000021844	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XG18]	ENSLACG00000022387
ENSLACG00000022141	ENSLACP00000021852	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XGJ6]	ENSLACG00000022141
ENSLACG00000022469	ENSLACP00000021874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XGL8]	ENSLACG00000022469
ENSLACG00000022297	ENSLACP00000021924	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XGR8]	ENSLACG00000022297
ENSLACG00000022573	ENSLACP00000021952	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XGU6]	ENSLACG00000022573
ENSLACG00000022626	ENSLACP00000022170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XHG4]	ENSLACG00000022626
ENSLACG00000022463	ENSLACP00000022255	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XHP9]	ENSLACG00000022463
ENSLACG00000022350	ENSLACP00000022477	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XIC1]	ENSLACG00000022350
ENSLACG00000022415	ENSLACP00000022705	novel gene		ENSLACG00000022415
ENSLACG00000022142	ENSLACP00000022756	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJ50]	ENSLACG00000022142
ENSLACG00000000947	ENSLACP00000022770	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2ZUI7]	ENSLACG00000000947
ENSLACG00000022477	ENSLACP00000022840	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJD4]	ENSLACG00000022477
ENSLACG00000022558	ENSLACP00000022872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJG6]	ENSLACG00000022558
ENSLACG00000022216	ENSLACP00000022919	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJL3]	ENSLACG00000022216
ENSLACG00000022530	ENSLACP00000022926	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJM0]	ENSLACG00000022530
ENSLACG00000022503	ENSLACP00000022959	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XJQ3]	ENSLACG00000022503
ENSLACG00000022359	ENSLACP00000023159	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKA3]	ENSLACG00000022359
ENSLACG00000022528	ENSLACP00000023205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKE9]	ENSLACG00000022528
ENSLACG00000022612	ENSLACP00000023289	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKN3]	ENSLACG00000022612
ENSLACG00000022365	ENSLACP00000023360	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XKV4]	ENSLACG00000022365
ENSLACG00000022668	ENSLACP00000023475	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XL69]	ENSLACG00000022668
ENSLACG00000022355	ENSLACP00000023494	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XL88]	ENSLACG00000022355
ENSLACG00000022653	ENSLACP00000023649	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3XLP3]	ENSLACG00000022653

Supplemental table 38. Medaka specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSORLG00000006668	ENSORLP00000008368	adrenomedullin 5 precursor [Source:RefSeq peptide;Acc:NP_001098363]	AM5
ENSORLG00000013428	ENSORLP00000016839	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSORLG00000017900	ENSORLP00000022408	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSORLG00000019429	ENSORLP00000024184	Oryzias latipes B-type natriuretic peptide precursor (bnp), mRNA. [Source:RefSeq mRNA;Acc:NM_001104685]	BNP
ENSORLG00000013070	ENSORLP00000016380	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSORLG00000003449	ENSORLP00000004287	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C18orf63
ENSORLG00000002545	ENSORLP00000003166	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSORLG00000012912	ENSORLP00000016178	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSORLG00000018051	ENSORLP00000022609	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSORLG00000009710	ENSORLP00000012180	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSORLG00000001744	ENSORLP00000002171	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSORLG00000008514	ENSORLP00000010686	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSORLG00000010669	ENSORLP00000013374	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSORLG00000009877	ENSORLP00000012389	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSORLG00000019254	ENSORLP00000023986	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSORLG00000002228	ENSORLP00000002768	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhpb
ENSORLG00000006407	ENSORLP00000008047	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSORLG00000007979	ENSORLP00000010009	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSORLG00000012717	ENSORLP00000015932	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSORLG00000004777	ENSORLP00000006012	elaC homolog 1 (E. coli) [Source:ZFIN;Acc:ZDB-GENE-040801-246]	elaC1
ENSORLG00000002502	ENSORLP00000003109	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENKD1
ENSORLG00000001759	ENSORLP00000002190	epiregulin [Source:HGNC Symbol;Acc:HGNC:3443]	EREG
ENSORLG00000014647	ENSORLP00000018358	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSORLG00000005081	ENSORLP00000006404	family with sequence similarity 149, member B1 [Source:ZFIN;Acc:ZDB-GENE-070112-2102]	fam149b1
ENSORLG00000008134	ENSORLP00000010211	FK506 binding protein like [Source:HGNC Symbol;Acc:HGNC:13949]	FKBPL
ENSORLG00000015997	ENSORLP00000020023	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDC9
ENSORLG00000020583	ENSORLP00000025496	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSORLG00000014247	ENSORLP00000017869	Oryzias latipes prepro-gonadotropin-releasing hormone (gnrh1), mRNA. [Source:RefSeq mRNA;Acc:NM_001104699]	GNRH1
ENSORLG00000005824	ENSORLP00000007327	Oryzias latipes prepro-gonadotropin-releasing hormone (gnrh3), mRNA. [Source:RefSeq mRNA;Acc:NM_001104672]	gnrh3
ENSORLG00000015020	ENSORLP00000018824	interleukin 23 receptor [Source:ZFIN;Acc:ZDB-GENE-080107-5]	il23r
ENSORLG00000013522	ENSORLP00000016953	interleukin 2 receptor, beta [Source:ZFIN;Acc:ZDB-GENE-080108-2]	il2rb
ENSORLG00000009629	ENSORLP00000012069	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSORLG00000017224	ENSORLP00000021553	Putative ISG12(1) protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6IEB2]	ISG12
ENSORLG00000013256	ENSORLP00000016608	KIAA1024-like [Source:HGNC Symbol;Acc:HGNC:33914]	KIAA1024L
ENSORLG00000011656	ENSORLP00000014613	kininogen 1 [Source:ZFIN;Acc:ZDB-GENE-041010-56]	knng1
ENSORLG00000009612	ENSORLP00000012052	Oryzias latipes leptin (lepa), mRNA. [Source:RefSeq mRNA;Acc:NM_001104720]	LEPA
ENSORLG00000002710	ENSORLP00000003379	mastermind-like 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:16259]	MAML2
ENSORLG00000012773	ENSORLP00000015997	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSORLG000000020727	ENSORLP00000025667	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSORLG00000017291	ENSORLP00000021632	meiosis-specific, MEI4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040724-211]	mei4
ENSORLG00000015580	ENSORLP00000019508	Oryzias latipes metallothionein (LOC100049397), mRNA. [Source:RefSeq mRNA;Acc:NM_001104785]	MT
ENSORLG00000002065	ENSORLP00000025129	mitochondrial methionyl-tRNA formyltransferase [Source:ZFIN;Acc:ZDB-GENE-060929-120]	mtfmt
ENSORLG00000013859	ENSORLP00000017372	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSORLG00000004645	ENSORLP00000005841	nucleolin [Source:HGNC Symbol;Acc:HGNC:7667]	NCL
ENSORLG00000002353	ENSORLP000000022923	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSORLG00000006190	ENSORLP00000007784	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSORLG00000012897	ENSORLP00000016156	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSORLG00000017191	ENSORLP00000021508	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSORLG00000001635	ENSORLP00000002030	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPRT
ENSORLG00000015813	ENSORLP00000019805	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSORLG00000011006	ENSORLP00000013807	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSORLG00000002763	ENSORLP00000003450	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RG522
ENSORLG000000020420	ENSORLP00000025307	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30
ENSORLG00000006176	ENSORLP00000007769	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfdc1
ENSORLG00000011997	ENSORLP00000015021	Oryzias latipes selenoprotein J (selj), mRNA. [Source:RefSeq mRNA;Acc:NM_001193492]	selj
ENSORLG00000003865	ENSORLP00000004823	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSORLG00000006523	ENSORLP00000008187	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSORLG00000019808	ENSORLP00000024607	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSORLG00000003101	ENSORLP00000003861	si:ch211-170n20.3 [Source:ZFIN;Acc:ZDB-GENE-131121-365]	si:ch211-170n20.3
ENSORLG00000001409	ENSORLP00000001744	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSORLG00000015462	ENSORLP00000019357	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSORLG00000015547	ENSORLP00000019467	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSORLG00000009186	ENSORLP00000011521	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSORLG00000012253	ENSORLP00000015331	si:ch211-221i3.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-221i3.2
ENSORLG00000013469	ENSORLP00000016896	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSORLG00000002539	ENSORLP00000003158	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSORLG00000009097	ENSORLP00000011412	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSORLG00000017706	ENSORLP00000022159	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSORLG00000007793	ENSORLP00000009761	si:ch73-56p18.4 [Source:ZFIN;Acc:ZDB-GENE-121127-1]	si:ch73-56p18.4
ENSORLG00000012408	ENSORLP00000015528	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSORLG00000009572	ENSORLP00000012002	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSORLG00000019809	ENSORLP00000024608	Oryzias latipes alpha-2,3-sialyltransferase ST3Gal II (sial5.1), mRNA. [Source:RefSeq mRNA;Acc:NM_001105099]	sial5.1
ENSORLG00000004831	ENSORLP00000006080	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSORLG00000010375	ENSORLP00000013000	small nuclear RNA activating complex, polypeptide 2, 45kDa [Source:HGNC Symbol;Acc:HGNC:11135]	SNAPC2
ENSORLG00000009029	ENSORLP00000011323	Shadoo 2 protein Sho2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BDK4]	SPRNB
ENSORLG00000001177	ENSORLP00000001445	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4

ENSORLG00000003975	ENSORLP00000004964	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSORLG000000020160	ENSORLP000000025013	tafazzin [Source:ZFIN;Acc:ZDB-GENE-030131-684]	taz
ENSORLG000000014682	ENSORLP000000018401	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSORLG00000008301	ENSORLP000000010414	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSORLG000000020619	ENSORLP000000025540	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSORLG00000003309	ENSORLP000000004113	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSORLG00000004555	ENSORLP00000005723	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]	TMEM158
ENSORLG00000003242	ENSORLP00000004037	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSORLG000000018138	ENSORLP000000027212	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSORLG000000014243	ENSORLP000000017864	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSORLG000000000008	ENSORLP000000000009	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSORLG00000003053	ENSORLP000000003811	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSORLG000000014915	ENSORLP000000018700	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSORLG00000008997	ENSORLP000000011279	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSORLG000000019031	ENSORLP000000023739	Tp53r binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkb
ENSORLG000000013310	ENSORLP000000016689	Oryzias latipes transformer 2a (tra2a), mRNA. [Source:RefSeq mRNA;Acc:NM_001104708]	tra2a
ENSORLG000000019577	ENSORLP000000024356	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	UIMC1
ENSORLG00000003436	ENSORLP00000004269	URB1 ribosome biogenesis 1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:17344]	URB1
ENSORLG000000019500	ENSORLP000000024261	VCP-interacting membrane protein [Source:ZFIN;Acc:ZDB-GENE-060804-1]	vimp
ENSORLG00000002775	ENSORLP00000003462	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSORLG00000000715	ENSORLP00000000880	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSORLG000000010747	ENSORLP000000013474	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSORLG000000012513	ENSORLP000000015668	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSORLG000000001197	ENSORLP000000001475	X-box binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-011210-2]	xbp1
ENSORLG000000017426	ENSORLP000000021792	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSORLG000000007100	ENSORLP000000008911	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSORLG000000017529	ENSORLP000000021931	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSORLG000000018503	ENSORLP000000023143	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSORLG00000003136	ENSORLP000000003904	zinc finger protein 318 [Source:HGNC Symbol;Acc:HGNC:13578]	ZNF318
ENSORLG000000000004	ENSORLP000000000005	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2R0]	ENSORLG000000000004
ENSORLG000000000014	ENSORLP000000000017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S2]	ENSORLG000000000014
ENSORLG000000000018	ENSORLP000000000020	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S4]	ENSORLG000000000018
ENSORLG000000000032	ENSORLP000000000040	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2U2]	ENSORLG000000000032
ENSORLG000000000082	ENSORLP000000000097	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2Z3]	ENSORLG000000000082
ENSORLG000000000124	ENSORLP000000000153	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L346]	ENSORLG000000000124
ENSORLG000000000127	ENSORLP000000000156	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L349]	ENSORLG000000000127
ENSORLG000000000132	ENSORLP000000000161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L353]	ENSORLG000000000132
ENSORLG000000000142	ENSORLP000000000172	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L362]	ENSORLG000000000142
ENSORLG000000000157	ENSORLP000000000189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L378]	ENSORLG000000000157
ENSORLG000000000167	ENSORLP000000000202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L391]	ENSORLG000000000167
ENSORLG000000000170	ENSORLP000000000205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L393]	ENSORLG000000000170
ENSORLG000000000206	ENSORLP000000000252	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3D0]	ENSORLG000000000206
ENSORLG000000000237	ENSORLP000000000291	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3H4]	ENSORLG000000000237
ENSORLG000000000257	ENSORLP000000000317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3J4]	ENSORLG000000000257
ENSORLG000000000263	ENSORLP000000000323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2N0U3]	ENSORLG000000000263
ENSORLG000000000340	ENSORLP000000000412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3T2]	ENSORLG000000000340
ENSORLG000000000362	ENSORLP000000000441	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3W1]	ENSORLG000000000362
ENSORLG000000000407	ENSORLP000000000501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L421]	ENSORLG000000000407
ENSORLG000000000414	ENSORLP000000000510	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L429]	ENSORLG000000000414
ENSORLG000000000419	ENSORLP000000000516	Oryzias latipes uncharacterized LOC100049343 (LOC100049343), mRNA. [Source:RefSeq mRNA;Acc:NM_001104757]	ENSORLG000000000419
ENSORLG000000000422	ENSORLP000000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L437]	ENSORLG000000000422
ENSORLG000000000429	ENSORLP000000000530	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L447]	ENSORLG000000000429
ENSORLG000000000431	ENSORLP000000000532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L450]	ENSORLG000000000431
ENSORLG000000000444	ENSORLP000000000547	novel gene	ENSORLG000000000444
ENSORLG000000000512	ENSORLP000000000627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4D6]	ENSORLG000000000512
ENSORLG000000000517	ENSORLP000000000633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E2]	ENSORLG000000000517
ENSORLG000000000519	ENSORLP000000000637	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E6]	ENSORLG000000000519
ENSORLG000000000537	ENSORLP000000000661	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4H0]	ENSORLG000000000537
ENSORLG000000000543	ENSORLP000000000667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4H5]	ENSORLG000000000543
ENSORLG000000000573	ENSORLP000000000703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4K8]	ENSORLG000000000573
ENSORLG000000000579	ENSORLP000000000710	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4L5]	ENSORLG000000000579
ENSORLG000000000596	ENSORLP000000000733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4N7]	ENSORLG000000000596
ENSORLG000000000597	ENSORLP000000000736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4P0]	ENSORLG000000000597
ENSORLG000000000667	ENSORLP000000000824	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4W9]	ENSORLG000000000667
ENSORLG000000000670	ENSORLP000000000826	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4X1]	ENSORLG000000000670
ENSORLG000000000673	ENSORLP000000000827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4X2]	ENSORLG000000000673
ENSORLG000000000684	ENSORLP000000000845	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4Z0]	ENSORLG000000000684
ENSORLG000000000749	ENSORLP000000000919	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L554]	ENSORLG000000000749
ENSORLG000000000764	ENSORLP000000000938	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L572]	ENSORLG000000000764
ENSORLG000000000789	ENSORLP000000000968	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5A1]	ENSORLG000000000789
ENSORLG000000000821	ENSORLP00000001006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5D7]	ENSORLG000000000821
ENSORLG000000000832	ENSORLP00000001021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5F1]	ENSORLG000000000832
ENSORLG000000000872	ENSORLP00000001066	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5J2]	ENSORLG000000000872
ENSORLG000000000877	ENSORLP00000001070	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5J4]	ENSORLG000000000877
ENSORLG000000000891	ENSORLP00000001087	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5K9]	ENSORLG000000000891
ENSORLG000000000904	ENSORLP00000001103	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5M3]	ENSORLG000000000904
ENSORLG000000000967	ENSORLP00000001180	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5U3]	ENSORLG000000000967
ENSORLG000000000993	ENSORLP00000001214	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5X7]	ENSORLG000000000993
ENSORLG00000001007	ENSORLP00000001231	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5Z2]	ENSORLG00000001007

Supplemental table 39. Platyfish specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSXMAG00000011862	ENSXMAP00000011878	ATP-binding cassette, sub-family H, member 1 [Source:ZFIN;Acc:ZDB-GENE-050517-42]	abch1
ENSXMAG00000018452	ENSXMAP00000018491	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSXMAG00000003268	ENSXMAP00000003272	armadillo repeat containing 2 [Source:ZFIN;Acc:ZDB-GENE-041014-7]	armc2
ENSXMAG00000007274	ENSXMAP00000007326	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSXMAG00000012156	ENSXMAP00000012165	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSXMAG00000020801	ENSXMAP00000020460	ATP synthase F0 subunit 8 (mitochondrion) [Source:RefSeq peptide;Acc:YP_002286779]	ATP8
ENSXMAG00000019785	ENSXMAP00000019832	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C11orf87
ENSXMAG00000004667	ENSXMAP00000004677	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSXMAG00000018441	ENSXMAP00000018486	chromosome 16 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33754]	C16orf87
ENSXMAG00000003925	ENSXMAP00000003929	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C18orf54
ENSXMAG0000001582	ENSXMAP0000001573	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C18orf63
ENSXMAG00000017434	ENSXMAP00000017467	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSXMAG00000015807	ENSXMAP00000015837	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSXMAG00000019500	ENSXMAP00000019547	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:1305]	C21orf62
ENSXMAG00000018679	ENSXMAP00000018725	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSXMAG00000018403	ENSXMAP00000018439	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C2orf71
ENSXMAG00000009995	ENSXMAP00000010005	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28554]	C4orf22
ENSXMAG00000015273	ENSXMAP00000015297	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSXMAG00000006868	ENSXMAP00000006881	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSXMAG00000011052	ENSXMAP00000011078	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSXMAG00000014833	ENSXMAP00000014855	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C7orf62
ENSXMAG00000017034	ENSXMAP00000017074	caldesmon 1 [Source:ZFIN;Acc:ZDB-GENE-090313-229]	cald1
ENSXMAG00000008578	ENSXMAP00000008588	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccd169
ENSXMAG00000013423	ENSXMAP00000013448	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSXMAG00000002137	ENSXMAP00000002139	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSXMAG00000001619	ENSXMAP00000001613	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSXMAG00000009887	ENSXMAP00000009900	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSXMAG00000019686	ENSXMAP00000019733	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSXMAG00000007398	ENSXMAP00000007417	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSXMAG00000016619	ENSXMAP00000016659	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSXMAG00000010622	ENSXMAP00000010644	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSXMAG00000003694	ENSXMAP00000003703	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSXMAG00000007650	ENSXMAP00000007671	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSXMAG00000010753	ENSXMAP00000010770	DEK oncogene [Source:ZFIN;Acc:ZDB-GENE-060512-191]	dek
ENSXMAG00000006747	ENSXMAP00000006757	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSXMAG00000006958	ENSXMAP00000006965	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSXMAG00000011291	ENSXMAP00000011310	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSXMAG00000014531	ENSXMAP00000014558	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENKD1
ENSXMAG00000010272	ENSXMAP00000010293	Epigen; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:D1MGM1]	EPGN
ENSXMAG00000010276	ENSXMAP00000010298	epiregulin [Source:HGNC Symbol;Acc:HGNC:3443]	EREG
ENSXMAG00000001340	ENSXMAP00000001339	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSXMAG00000002779	ENSXMAP00000002777	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSXMAG00000009837	ENSXMAP00000009857	family with sequence similarity 184, member B [Source:ZFIN;Acc:ZDB-GENE-090313-380]	fam184b
ENSXMAG00000017309	ENSXMAP00000017340	family with sequence similarity 50, member A [Source:ZFIN;Acc:ZDB-GENE-050417-110]	fam50a
ENSXMAG00000016122	ENSXMAP00000016143	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FND09
ENSXMAG00000019434	ENSXMAP00000019481	G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]	G0S2
ENSXMAG00000004748	ENSXMAP00000004771	G2/M-phase specific E3 ubiquitin ligase [Source:ZFIN;Acc:ZDB-GENE-030616-400]	ga2e3
ENSXMAG00000002316	ENSXMAP00000002316	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSXMAG00000012710	ENSXMAP00000012732	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSXMAG00000002776	ENSXMAP00000002774	G protein-coupled receptor 180 [Source:HGNC Symbol;Acc:HGNC:28899]	GPR180
ENSXMAG00000016571	ENSXMAP00000016600	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSXMAG00000016739	ENSXMAP00000016768	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2a
ENSXMAG00000010536	ENSXMAP00000010559	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igfl1
ENSXMAG00000004022	ENSXMAP00000004028	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSXMAG00000001127	ENSXMAP00000001119	interleukin 2 receptor, beta [Source:ZFIN;Acc:ZDB-GENE-080108-2]	il2rb
ENSXMAG00000012858	ENSXMAP00000012875	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSXMAG00000001394	ENSXMAP00000001379	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCJ
ENSXMAG00000000916	ENSXMAP00000000904	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSXMAG00000008266	ENSXMAP00000008285	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSXMAG00000008177	ENSXMAP00000008197	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSXMAG00000019822	ENSXMAP00000019869	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
ENSXMAG00000010232	ENSXMAP00000010250	MAP7 domain containing 2b [Source:ZFIN;Acc:ZDB-GENE-091118-82]	map7d2b
ENSXMAG00000009053	ENSXMAP00000009064	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSXMAG00000007258	ENSXMAP00000007275	melanocortin 2 receptor accessory protein [Source:HGNC Symbol;Acc:HGNC:1304]	MRAP
ENSXMAG00000007777	ENSXMAP00000007797	mucin 13b, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-080220-61]	muc13b
ENSXMAG00000005691	ENSXMAP00000005704	MYB binding protein (P160) 1a [Source:HGNC Symbol;Acc:HGNC:7546]	MYBBP1A
ENSXMAG00000003491	ENSXMAP00000003501	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSXMAG00000003009	ENSXMAP00000003016	neuromedin B [Source:HGNC Symbol;Acc:HGNC:7842]	NMB
ENSXMAG000000017145	ENSXMAP00000001714	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmbb
ENSXMAG00000001014	ENSXMAP00000001000	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSXMAG00000006772	ENSXMAP00000006790	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsnce1
ENSXMAG00000010374	ENSXMAP00000010395	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSXMAG00000019480	ENSXMAP00000019527	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSXMAG00000014784	ENSXMAP00000014803	osteoecrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostrn
ENSXMAG00000016832	ENSXMAP00000016859	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSXMAG00000001389	ENSXMAP00000001373	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	PIFO

ENSXMAG00000013240	ENSXMAP00000013268	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	PLIN3
ENSXMAG00000012021	ENSXMAP00000012035	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSXMAG00000010562	ENSXMAP00000010582	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSXMAG00000002869	ENSXMAP00000002875	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSXMAG00000002513	ENSXMAP00000002527	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RG52
ENSXMAG00000015431	ENSXMAP00000015454	ribonuclease type III, nuclear [Source:ZFIN;Acc:ZDB-GENE-070209-23]	rnasen
ENSXMAG00000015522	ENSXMAP00000015555	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30
ENSXMAG00000019374	ENSXMAP00000019420	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfcd1
ENSXMAG00000012425	ENSXMAP00000012445	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	sap30bp
ENSXMAG00000010405	ENSXMAP00000010422	somatomedin B and thrombospondin, type 1 domain containing [Source:HGNC Symbol;Acc:HGNC:30362]	SBSPON
ENSXMAG00000008562	ENSXMAP00000008575	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSXMAG00000002763	ENSXMAP00000002759	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSXMAG00000013053	ENSXMAP00000013075	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSXMAG00000010476	ENSXMAP00000010494	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSXMAG00000013024	ENSXMAP00000013044	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSXMAG00000007647	ENSXMAP00000007668	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSXMAG00000004196	ENSXMAP00000004196	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSXMAG00000011999	ENSXMAP00000012016	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSXMAG00000011718	ENSXMAP00000011737	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSXMAG00000018591	ENSXMAP00000018626	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSXMAG00000018322	ENSXMAP00000018355	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSXMAG00000009743	ENSXMAP00000009760	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSXMAG00000010050	ENSXMAP00000010067	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSXMAG00000007465	ENSXMAP00000007484	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSXMAG00000016383	ENSXMAP00000016407	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSXMAG00000004290	ENSXMAP00000004296	si:dkey-11f4.16 [Source:ZFIN;Acc:ZDB-GENE-070912-357]	si:dkey-11f4.16
ENSXMAG00000014389	ENSXMAP00000014407	si:dkey-178e17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-335]	si:dkey-178e17.3
ENSXMAG00000007461	ENSXMAP00000007478	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSXMAG00000019953	ENSXMAP00000020000	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSXMAG00000010506	ENSXMAP00000010525	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSXMAG00000004498	ENSXMAP00000004497	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSXMAG00000019920	ENSXMAP00000019966	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSXMAG00000009230	ENSXMAP00000009248	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSXMAG00000019695	ENSXMAP00000019742	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSXMAG00000019693	ENSXMAP00000019740	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSXMAG00000016380	ENSXMAP00000016416	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSXMAG00000002658	ENSXMAP00000002657	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSXMAG00000005824	ENSXMAP00000005843	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSXMAG00000008790	ENSXMAP00000008802	SWIM-type zinc finger 7 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-071116-2]	swsap1
ENSXMAG00000011544	ENSXMAP00000011566	transforming growth factor, beta receptor III [Source:ZFIN;Acc:ZDB-GENE-120215-125]	tgfbr3
ENSXMAG0000001314	ENSXMAP00000013101	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSXMAG00000007851	ENSXMAP00000007867	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tm7
ENSXMAG00000020288	ENSXMAP00000020335	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSXMAG00000019071	ENSXMAP00000019111	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSXMAG00000003842	ENSXMAP00000003848	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSXMAG00000000939	ENSXMAP00000000929	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	TMEM159
ENSXMAG00000005500	ENSXMAP00000005508	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSXMAG00000009436	ENSXMAP00000009485	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSXMAG00000008641	ENSXMAP00000008660	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSXMAG00000008299	ENSXMAP00000008318	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSXMAG00000019814	ENSXMAP00000019861	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSXMAG00000013753	ENSXMAP00000013781	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSXMAG00000009474	ENSXMAP00000009490	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSXMAG00000017227	ENSXMAP00000017260	tumor necrosis factor receptor superfamily, member 13B [Source:HGNC Symbol;Acc:HGNC:18153]	TNFRSF13B
ENSXMAG00000006689	ENSXMAP00000006696	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tprkb
ENSXMAG00000003704	ENSXMAP00000003716	tetrapeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSXMAG00000007598	ENSXMAP00000007618	UBA-like domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-050522-185]	ubald2
ENSXMAG00000002543	ENSXMAP00000002542	VP59 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050306-57]	vps9d1
ENSXMAG00000007772	ENSXMAP00000007791	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSXMAG00000017055	ENSXMAP00000017093	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSXMAG00000018163	ENSXMAP00000018199	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSXMAG00000015103	ENSXMAP00000015129	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSXMAG00000012974	ENSXMAP00000013006	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSXMAG00000007659	ENSXMAP00000007682	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSXMAG00000003720	ENSXMAP00000003728	zgc:136493 [Source:ZFIN;Acc:ZDB-GENE-060512-216]	zgc:136493
ENSXMAG00000006992	ENSXMAP00000007000	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSXMAG00000000277	ENSXMAP00000000270	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSXMAG00000005646	ENSXMAP00000005656	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSXMAG00000000114	ENSXMAP00000000107	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZD15]	ENSXMAG00000000114
ENSXMAG00000000229	ENSXMAP00000000224	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDD2]	ENSXMAG00000000229
ENSXMAG00000000276	ENSXMAP00000000268	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDH6]	ENSXMAG00000000276
ENSXMAG00000000320	ENSXMAP00000000319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDM7]	ENSXMAG00000000320
ENSXMAG00000000543	ENSXMAP00000000536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZE94]	ENSXMAG00000000543
ENSXMAG00000000574	ENSXMAP00000000570	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEC8]	ENSXMAG00000000574
ENSXMAG00000000692	ENSXMAP00000000687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEP5]	ENSXMAG00000000692
ENSXMAG00000000879	ENSXMAP00000000871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZFP9]	ENSXMAG00000000879
ENSXMAG00000001055	ENSXMAP00000001041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZFP9]	ENSXMAG00000001055
ENSXMAG00000001335	ENSXMAP00000001321	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZGH9]	ENSXMAG00000001335
ENSXMAG00000002208	ENSXMAP00000002207	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZJ15]	ENSXMAG00000002208

ENSXMAG00000002341	ENSXMAP00000002339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZJE7]	ENSXMAG00000002341
ENSXMAG00000002612	ENSXMAP00000002610	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZK68]	ENSXMAG00000002612
ENSXMAG00000002700	ENSXMAP00000002699	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZKF7]	ENSXMAG00000002700
ENSXMAG00000002881	ENSXMAP00000002885	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZKZ3]	ENSXMAG00000002881
ENSXMAG00000002957	ENSXMAP00000002960	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZL68]	ENSXMAG00000002957
ENSXMAG00000003222	ENSXMAP00000003225	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZLY3]	ENSXMAG00000003222
ENSXMAG00000003239	ENSXMAP00000003244	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZM02]	ENSXMAG00000003239
ENSXMAG00000003316	ENSXMAP00000003324	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZM82]	ENSXMAG00000003316
ENSXMAG00000003408	ENSXMAP00000003414	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZMH1]	ENSXMAG00000003408
ENSXMAG00000003663	ENSXMAP00000003670	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZN77]	ENSXMAG00000003663
ENSXMAG00000003767	ENSXMAP00000003777	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZNI4]	ENSXMAG00000003767
ENSXMAG00000003894	ENSXMAP00000003899	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZNV6]	ENSXMAG00000003894
ENSXMAG00000004077	ENSXMAP00000004082	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZPD9]	ENSXMAG00000004077
ENSXMAG00000004129	ENSXMAP00000004130	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZPI7]	ENSXMAG00000004129
ENSXMAG00000004344	ENSXMAP00000004348	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZQ55]	ENSXMAG00000004344
ENSXMAG00000004346	ENSXMAP00000004352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZQ59]	ENSXMAG00000004346
ENSXMAG00000004386	ENSXMAP00000004393	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZQA0]	ENSXMAG00000004386
ENSXMAG00000004538	ENSXMAP00000004538	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZQP5]	ENSXMAG00000004538
ENSXMAG00000004588	ENSXMAP00000004589	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZQU6]	ENSXMAG00000004588
ENSXMAG00000004828	ENSXMAP00000004836	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRJ3]	ENSXMAG00000004828
ENSXMAG00000004831	ENSXMAP00000004837	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRJ4]	ENSXMAG00000004831
ENSXMAG00000004833	ENSXMAP00000004839	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRJ6]	ENSXMAG00000004833
ENSXMAG00000004834	ENSXMAP00000004841	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRJ8]	ENSXMAG00000004834
ENSXMAG00000004836	ENSXMAP00000004843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRK0]	ENSXMAG00000004836
ENSXMAG00000004845	ENSXMAP00000004850	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRK7]	ENSXMAG00000004845
ENSXMAG00000004884	ENSXMAP00000004893	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRQ0]	ENSXMAG00000004884
ENSXMAG00000004940	ENSXMAP00000004950	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZRV7]	ENSXMAG00000004940
ENSXMAG00000005020	ENSXMAP00000005022	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZS29]	ENSXMAG00000005020
ENSXMAG00000005426	ENSXMAP00000005432	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZT89]	ENSXMAG00000005426
ENSXMAG00000005439	ENSXMAP00000005446	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZTA3]	ENSXMAG00000005439
ENSXMAG00000005873	ENSXMAP00000005884	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZUJ1]	ENSXMAG00000005873
ENSXMAG00000005911	ENSXMAP00000005921	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZUM8]	ENSXMAG00000005911
ENSXMAG00000006034	ENSXMAP00000006048	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZV05]	ENSXMAG00000006034
ENSXMAG00000006164	ENSXMAP00000006180	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZVD6]	ENSXMAG00000006164
ENSXMAG00000006215	ENSXMAP00000006231	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZV17]	ENSXMAG00000006215
ENSXMAG00000006289	ENSXMAP00000006301	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZVQ7]	ENSXMAG00000006289
ENSXMAG00000006348	ENSXMAP00000006358	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZVW4]	ENSXMAG00000006348
ENSXMAG00000006441	ENSXMAP00000006454	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZW60]	ENSXMAG00000006441
ENSXMAG00000006483	ENSXMAP00000006495	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZWA1]	ENSXMAG00000006483
ENSXMAG00000006670	ENSXMAP00000006672	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZWS8]	ENSXMAG00000006670
ENSXMAG00000006777	ENSXMAP00000006783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZX39]	ENSXMAG00000006777
ENSXMAG00000006781	ENSXMAP00000006799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZX55]	ENSXMAG00000006781
ENSXMAG00000006961	ENSXMAP00000006968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZXM4]	ENSXMAG00000006961
ENSXMAG00000007094	ENSXMAP00000007106	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZY12]	ENSXMAG00000007094
ENSXMAG00000007158	ENSXMAP00000007169	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZY75]	ENSXMAG00000007158
ENSXMAG00000007180	ENSXMAP00000007189	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZY95]	ENSXMAG00000007180
ENSXMAG00000007462	ENSXMAP00000007481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZZ37]	ENSXMAG00000007462
ENSXMAG00000007464	ENSXMAP00000007483	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M3ZZ39]	ENSXMAG00000007464
ENSXMAG00000007466	ENSXMAP00000007485	novel gene		ENSXMAG00000007466
ENSXMAG00000008044	ENSXMAP00000008062	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A0R8]	ENSXMAG00000008044
ENSXMAG00000008097	ENSXMAP00000008112	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A0W8]	ENSXMAG00000008097
ENSXMAG00000008293	ENSXMAP00000008311	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A1G7]	ENSXMAG00000008293
ENSXMAG00000008477	ENSXMAP00000008497	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A203]	ENSXMAG00000008477
ENSXMAG00000008496	ENSXMAP00000008517	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A223]	ENSXMAG00000008496
ENSXMAG00000008613	ENSXMAP00000008627	novel gene		ENSXMAG00000008613
ENSXMAG00000008694	ENSXMAP00000008712	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A2L8]	ENSXMAG00000008694
ENSXMAG00000008759	ENSXMAP00000008774	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A2T0]	ENSXMAG00000008759
ENSXMAG00000008764	ENSXMAP00000008777	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A2T3]	ENSXMAG00000008764
ENSXMAG00000008897	ENSXMAP00000008913	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A369]	ENSXMAG00000008897
ENSXMAG00000008923	ENSXMAP00000008940	novel gene		ENSXMAG00000008923
ENSXMAG00000008928	ENSXMAP00000008945	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A3A1]	ENSXMAG00000008928
ENSXMAG00000009088	ENSXMAP00000009100	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A3Q6]	ENSXMAG00000009088
ENSXMAG00000009171	ENSXMAP00000009189	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A3Z5]	ENSXMAG00000009171
ENSXMAG00000009219	ENSXMAP00000009238	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A444]	ENSXMAG00000009219
ENSXMAG00000009249	ENSXMAP00000009267	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A473]	ENSXMAG00000009249
ENSXMAG00000009268	ENSXMAP00000009283	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A489]	ENSXMAG00000009268
ENSXMAG00000009325	ENSXMAP00000009341	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A4E7]	ENSXMAG00000009325
ENSXMAG00000009560	ENSXMAP00000009578	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A534]	ENSXMAG00000009560
ENSXMAG00000009776	ENSXMAP00000009791	Interleukin	[Source:UniProtKB/TrEMBL;Acc:M4A5P7]	ENSXMAG00000009776
ENSXMAG00000009788	ENSXMAP00000009803	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A5Q9]	ENSXMAG00000009788
ENSXMAG00000010215	ENSXMAP00000010230	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A6Y6]	ENSXMAG00000010215
ENSXMAG00000010293	ENSXMAP00000010310	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A766]	ENSXMAG00000010293
ENSXMAG00000010336	ENSXMAP00000010352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A7A8]	ENSXMAG00000010336
ENSXMAG00000010529	ENSXMAP00000010548	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A7V4]	ENSXMAG00000010529
ENSXMAG00000010548	ENSXMAP00000010567	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A7X3]	ENSXMAG00000010548
ENSXMAG00000011234	ENSXMAP00000011252	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4A9V8]	ENSXMAG00000011234
ENSXMAG00000011314	ENSXMAP00000011329	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4AA35]	ENSXMAG00000011314
ENSXMAG00000011792	ENSXMAP00000011801	novel gene		ENSXMAG00000011792
ENSXMAG00000012020	ENSXMAP00000012036	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4AC42]	ENSXMAG00000012020

ENSXMAG00000019947	ENSXMAP00000019994	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4AZU9]	ENSXMAG00000019947
ENSXMAG00000019950	ENSXMAP00000019997	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4AZV2]	ENSXMAG00000019950
ENSXMAG00000020051	ENSXMAP00000020098	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B053]	ENSXMAG00000020051
ENSXMAG00000020052	ENSXMAP00000020099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B054]	ENSXMAG00000020052
ENSXMAG00000020070	ENSXMAP00000020117	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B072]	ENSXMAG00000020070
ENSXMAG00000020078	ENSXMAP00000020125	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B080]	ENSXMAG00000020078
ENSXMAG00000020085	ENSXMAP00000020132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B087]	ENSXMAG00000020085
ENSXMAG00000020086	ENSXMAP00000020134	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B089]	ENSXMAG00000020086
ENSXMAG00000020112	ENSXMAP00000020159	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0B4]	ENSXMAG00000020112
ENSXMAG00000020126	ENSXMAP00000020173	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0C8]	ENSXMAG00000020126
ENSXMAG00000020132	ENSXMAP00000020179	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0D4]	ENSXMAG00000020132
ENSXMAG00000020172	ENSXMAP00000020219	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0H4]	ENSXMAG00000020172
ENSXMAG00000020187	ENSXMAP00000020234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0I9]	ENSXMAG00000020187
ENSXMAG00000020249	ENSXMAP00000020296	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Q1]	ENSXMAG00000020249
ENSXMAG00000020264	ENSXMAP00000020311	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0R5]	ENSXMAG00000020264
ENSXMAG00000020280	ENSXMAP00000020327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0T1]	ENSXMAG00000020280
ENSXMAG00000020286	ENSXMAP00000020332	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0T6]	ENSXMAG00000020286
ENSXMAG00000020292	ENSXMAP00000020339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0U3]	ENSXMAG00000020292
ENSXMAG00000020300	ENSXMAP00000020346	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0V0]	ENSXMAG00000020300
ENSXMAG00000020314	ENSXMAP00000020361	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0W5]	ENSXMAG00000020314
ENSXMAG00000020334	ENSXMAP00000020381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Y5]	ENSXMAG00000020334
ENSXMAG00000020339	ENSXMAP00000020386	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Z0]	ENSXMAG00000020339
ENSXMAG00000020360	ENSXMAP00000020407	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B110]	ENSXMAG00000020360
ENSXMAG00000020372	ENSXMAP00000020419	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B122]	ENSXMAG00000020372
ENSXMAG00000020374	ENSXMAP00000020421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B124]	ENSXMAG00000020374
ENSXMAG00000020384	ENSXMAP00000020431	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B134]	ENSXMAG00000020384

Supplemental table 40. Spotted gar specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLOG00000010735	ENSLOCP00000013151	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12 [Source:HGNC Symbol;Acc:HGNC:14439]	ALS2CR12
ENSLOG00000007065	ENSLOCP00000008552	ankyrin repeat domain 60 [Source:HGNC Symbol;Acc:HGNC:16217]	ANKRD60
ENSLOG00000010326	ENSLOCP00000012650	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) [Source:HGNC Symbol;Acc:HGNC:32152]	APOBEC4
ENSLOG00000004183	ENSLOCP00000005001	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSLOG000000013027	ENSLOCP00000016047	biphenyl hydrolase-like (serine hydrolase) [Source:HGNC Symbol;Acc:HGNC:1094]	BPHL
ENSLOG00000002481	ENSLOCP00000002907	BTB (POZ) domain containing 19 [Source:HGNC Symbol;Acc:HGNC:27145]	BTBD19
ENSLOG00000018239	ENSLOCP00000022340	chromosome 10 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:20304]	C10orf105
ENSLOG00000011540	ENSLOCP000000014177	chromosome 10 open reading frame 35 [Source:HGNC Symbol;Acc:HGNC:23519]	C10orf35
ENSLOG00000005687	ENSLOCP00000006867	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C10orf53
ENSLOG00000009582	ENSLOCP00000011705	chromosome 10 open reading frame 82 [Source:HGNC Symbol;Acc:HGNC:28500]	C10orf82
ENSLOG00000006514	ENSLOCP00000007864	chromosome 11 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:28541]	C11orf42
ENSLOG00000005503	ENSLOCP00000006637	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:26288]	C11orf63
ENSLOG00000006910	ENSLOCP00000008357	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSLOG00000002506	ENSLOCP00000002943	chromosome 16 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:25849]	C16orf59
ENSLOG00000011864	ENSLOCP00000014588	chromosome 17 open reading frame 98 [Source:HGNC Symbol;Acc:HGNC:34492]	C17orf98
ENSLOG00000015402	ENSLOCP00000018955	chromosome 1 open reading frame 101 [Source:HGNC Symbol;Acc:HGNC:28491]	C1orf101
ENSLOG00000007360	ENSLOCP00000008918	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSLOG00000002823	ENSLOCP00000003321	chromosome 1 open reading frame 228 [Source:HGNC Symbol;Acc:HGNC:34345]	C1orf228
ENSLOG00000005652	ENSLOCP00000006822	chromosome 1 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:28547]	C1orf87
ENSLOG00000007154	ENSLOCP00000008659	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSLOG00000006594	ENSLOCP00000007965	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C20orf96
ENSLOG00000015328	ENSLOCP00000018860	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSLOG00000005251	ENSLOCP00000006322	chromosome 2 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:33809]	C2orf66
ENSLOG00000005065	ENSLOCP00000006096	chromosome 2 open reading frame 81 [Source:HGNC Symbol;Acc:HGNC:34350]	C2orf81
ENSLOG00000015751	ENSLOCP00000019390	chromosome 3 open reading frame 20 [Source:HGNC Symbol;Acc:HGNC:25320]	C3orf20
ENSLOG00000010350	ENSLOCP00000012685	chromosome 3 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:25190]	C3orf49
ENSLOG00000013104	ENSLOCP00000016141	chromosome 3 open reading frame 84 [Source:HGNC Symbol;Acc:HGNC:44666]	C3orf84
ENSLOG00000012263	ENSLOCP00000015090	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSLOG00000016611	ENSLOCP00000020519	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C6orf183
ENSLOG00000004630	ENSLOCP00000005545	chromosome 6 open reading frame 229 [Source:HGNC Symbol;Acc:HGNC:49394]	C6orf229
ENSLOG00000017285	ENSLOCP00000021383	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSLOG00000006510	ENSLOCP00000007863	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSLOG00000013188	ENSLOCP00000016245	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C7orf62
ENSLOG00000014620	ENSLOCP00000017994	chromosome 8 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:26345]	C8orf48
ENSLOG00000006489	ENSLOCP00000007839	calcium binding tyrosine-(Y)-phosphorylation regulated [Source:HGNC Symbol;Acc:HGNC:15569]	CABYP
ENSLOG00000009256	ENSLOCP00000011289	cathelicidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGNC:1472]	CAMP
ENSLOG00000010221	ENSLOCP00000012513	calcium responsive transcription factor [Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSLOG00000000679	ENSLOCP00000000751	carnosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:29268]	CARNS1
ENSLOG00000010152	ENSLOCP00000012430	cation channel, sperm associated 3 [Source:HGNC Symbol;Acc:HGNC:20819]	CATSPER3
ENSLOG00000013209	ENSLOCP00000016279	catsper channel auxiliary subunit beta [Source:HGNC Symbol;Acc:HGNC:20500]	CATSPERB
ENSLOG00000003145	ENSLOCP00000003705	catsper channel auxiliary subunit delta [Source:HGNC Symbol;Acc:HGNC:28598]	CATSPERD
ENSLOG00000014303	ENSLOCP00000017612	catsper channel auxiliary subunit gamma [Source:HGNC Symbol;Acc:HGNC:25243]	CATSPERG
ENSLOG00000013804	ENSLOCP00000017021	coiled-coil domain containing 110 [Source:HGNC Symbol;Acc:HGNC:28504]	CCDC110
ENSLOG00000003312	ENSLOCP00000003914	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSLOG00000008425	ENSLOCP00000010242	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSLOG00000001030	ENSLOCP00000001157	coiled-coil domain containing 183 [Source:HGNC Symbol;Acc:HGNC:28236]	CCDC183
ENSLOG00000005857	ENSLOCP00000007071	coiled-coil domain containing 27 [Source:HGNC Symbol;Acc:HGNC:26546]	CCDC27
ENSLOG00000013101	ENSLOCP00000016133	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGNC:27945]	CCDC36
ENSLOG00000015160	ENSLOCP00000018658	coiled-coil domain containing 87 [Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSLOG00000016504	ENSLOCP00000020385	coiled-coil domain containing 91 [Source:HGNC Symbol;Acc:HGNC:24855]	CCDC91
ENSLOG00000010370	ENSLOCP00000012710	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	CD28
ENSLOG00000015124	ENSLOCP00000018614	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSLOG00000009280	ENSLOCP00000011319	CD47 molecule [Source:HGNC Symbol;Acc:HGNC:1682]	CD47
ENSLOG00000008895	ENSLOCP00000010835	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSLOG00000006191	ENSLOCP00000007480	centrosomal protein 164kDa [Source:HGNC Symbol;Acc:HGNC:29182]	CEP164
ENSLOG00000005234	ENSLOCP00000006307	chloride channel accessory 1 [Source:ZFIN;Acc:ZDB-GENE-030131-6221]	clca1
ENSLOG00000005092	ENSLOCP00000006133	claudin 16 [Source:HGNC Symbol;Acc:HGNC:2037]	CLDN16
ENSLOG00000010391	ENSLOCP00000012735	cyclic nucleotide binding domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26663]	CNB1
ENSLOG00000000708	ENSLOCP00000000786	cyclic nucleotide binding domain containing 2 [Source:HGNC Symbol;Acc:HGNC:16145]	CNB2
ENSLOG00000001441	ENSLOCP00000001661	procollagen, type IX, alpha 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9786]	col9a2
ENSLOG00000005670	ENSLOCP00000006850	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSLOG00000004669	ENSLOCP00000005590	doublecortin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20625]	DCDC1
ENSLOG00000005486	ENSLOCP00000006620	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSLOG00000001387	ENSLOCP00000001576	DEP domain containing 5 [Source:HGNC Symbol;Acc:HGNC:18423]	DEPDC5
ENSLOG00000015836	ENSLOCP00000019494	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSLOG00000012564	ENSLOCP00000015468	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	eccsr
ENSLOG00000014451	ENSLOCP00000017786	EF-hand calcium binding domain 12 [Source:HGNC Symbol;Acc:HGNC:28061]	EFCAB12
ENSLOG00000006636	ENSLOCP00000008015	EF-hand calcium binding domain 5 [Source:HGNC Symbol;Acc:HGNC:24801]	EFCAB5
ENSLOG00000009328	ENSLOCP00000011377	EF-hand calcium binding domain 9 [Source:HGNC Symbol;Acc:HGNC:34530]	EFCAB9
ENSLOG00000004358	ENSLOCP00000005205	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSLOG00000015619	ENSLOCP00000019226	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENKD1
ENSLOG00000005793	ENSLOCP00000006998	erm1, ERM-like protein [Source:HGNC Symbol;Acc:HGNC:29208]	ERMN
ENSLOG00000002758	ENSLOCP00000003251	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSLOG00000009066	ENSLOCP00000011046	family with sequence similarity 174, member A [Source:HGNC Symbol;Acc:HGNC:24943]	FAM174A
ENSLOG00000014386	ENSLOCP00000017709	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSLOG00000007266	ENSLOCP00000008786	family with sequence similarity 216, member A [Source:HGNC Symbol;Acc:HGNC:30180]	FAM216A

ENSLOGG00000018058	ENSLOCP00000022159	fibronectin type III domain containing 9 [Source:HGNC Symbol;Acc:HGNC:33547]	FNDC9
ENSLOGG00000000771	ENSLOCP00000000854	FOS-like antigen 1a [Source:ZFIN;Acc:ZDB-GENE-061207-7]	fosl1a
ENSLOGG00000009691	ENSLOCP00000011838	G2/M-phase specific E3 ubiquitin ligase [Source:ZFIN;Acc:ZDB-GENE-030616-400]	g2e3
ENSLOGG00000011711	ENSLOCP00000014394	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSLOGG00000011330	ENSLOCP00000013925	group-specific component (vitamin D binding protein) [Source:ZFIN;Acc:ZDB-GENE-040718-307]	gc
ENSLOGG00000015658	ENSLOCP00000019273	gastrokine 1 [Source:HGNC Symbol;Acc:HGNC:23217]	GKN1
ENSLOGG00000014983	ENSLOCP00000018445	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:HGNC Symbol;Acc:HGNC:4419]	GNRH1
ENSLOGG00000009932	ENSLOCP00000012142	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmgas1a
ENSLOGG00000014844	ENSLOCP00000011692	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSLOGG00000004010	ENSLOCP00000004789	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSLOGG00000006729	ENSLOCP00000008124	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSLOGG00000006081	ENSLOCP00000007344	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	IL18
ENSLOGG00000015912	ENSLOCP00000019591	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040808-9]	immp2l
ENSLOGG00000001483	ENSLOCP00000001699	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSLOGG00000002880	ENSLOCP00000003386	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSLOGG00000009808	ENSLOCP00000011978	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSLOGG00000015849	ENSLOCP00000019512	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	MAP10
		myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 [Source:ZFIN;Acc:ZDB-GENE-030131-3007]	mlt11
ENSLOGG00000009864	ENSLOCP00000012057	metadherin b [Source:ZFIN;Acc:ZDB-GENE-090929-2]	mtddb
ENSLOGG00000008314	ENSLOCP00000010100	mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:7508]	MUC1
ENSLOGG00000014069	ENSLOCP00000017338	mucin 17, cell surface associated [Source:HGNC Symbol;Acc:HGNC:16800]	MUC17
ENSLOGG00000016427	ENSLOCP00000020289	marginal zone B and B1 cell-specific protein [Source:HGNC Symbol;Acc:HGNC:30125]	MZB1
ENSLOGG00000015986	ENSLOCP00000019683	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSLOGG00000000289	ENSLOCP00000000317	nexilin (F actin binding protein) [Source:ZFIN;Acc:ZDB-GENE-041114-92]	nexn
ENSLOGG00000014678	ENSLOCP00000018066	neuromedin Ba [Source:ZFIN;Acc:ZDB-GENE-050419-3]	nmba
ENSLOGG00000004001	ENSLOCP00000004773	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsmce1
ENSLOGG000000011951	ENSLOCP000000014696	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSLOGG00000013517	ENSLOCP00000016666	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSLOGG00000009421	ENSLOCP00000011497	osteocrin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSLOGG00000008193	ENSLOCP00000009944	PDZ domain containing 9 [Source:HGNC Symbol;Acc:HGNC:28740]	PDZD9
ENSLOGG00000004947	ENSLOCP00000005948	prolactin releasing hormone [Source:HGNC Symbol;Acc:HGNC:17945]	PRLH
ENSLOGG00000004055	ENSLOCP00000004839	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSLOGG00000017140	ENSLOCP00000021182	proline rich 12b [Source:ZFIN;Acc:ZDB-GENE-130625-2]	prr12b
ENSLOGG00000001413	ENSLOCP00000001610	prothymosin, alpha [Source:HGNC Symbol;Acc:HGNC:9623]	PTMA
ENSLOGG00000002763	ENSLOCP00000003250	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:9755]	QPR7
ENSLOGG00000010688	ENSLOCP00000013089	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSLOGG00000009743	ENSLOCP00000011906	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSLOGG00000004460	ENSLOCP00000005328	regulator of G-protein signaling like 1 [Source:HGNC Symbol;Acc:HGNC:18636]	RGLS1
ENSLOGG00000008145	ENSLOCP00000009889	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSLOGG00000000031	ENSLOCP00000000038	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30
ENSLOGG00000006976	ENSLOCP00000008442	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfcd1
ENSLOGG00000003770	ENSLOCP00000004495	somatomedin B and thrombospondin, type 1 domain containing [Source:HGNC Symbol;Acc:HGNC:30362]	SBSPON
ENSLOGG00000002143	ENSLOCP00000002494	SHC SH2-domain binding protein 1-like [Source:HGNC Symbol;Acc:HGNC:16788]	SHCBP1L
ENSLOGG00000012943	ENSLOCP00000015940	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSLOGG00000000164	ENSLOCP00000000181	si:ch211-119o8.4 [Source:ZFIN;Acc:ZDB-GENE-070912-15]	si:ch211-119o8.4
ENSLOGG00000009797	ENSLOCP000000011973	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSLOGG00000002806	ENSLOCP00000003301	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSLOGG00000000566	ENSLOCP00000000624	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSLOGG00000003078	ENSLOCP00000003621	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSLOGG00000014855	ENSLOCP00000018289	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSLOGG00000008075	ENSLOCP00000009806	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSLOGG00000008219	ENSLOCP00000009981	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSLOGG00000004747	ENSLOCP00000005692	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSLOGG00000002373	ENSLOCP00000002778	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSLOGG00000016352	ENSLOCP00000020193	si:ch211-221i3.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-221i3.2
ENSLOGG00000009464	ENSLOCP00000011555	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSLOGG00000017238	ENSLOCP00000012321	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSLOGG00000006014	ENSLOCP00000007262	si:ch211-51h9.7 [Source:ZFIN;Acc:ZDB-GENE-081104-235]	si:ch211-51h9.7
ENSLOGG00000018333	ENSLOCP00000022434	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSLOGG00000003056	ENSLOCP00000003592	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSLOGG000000017159	ENSLOCP00000021208	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSLOGG00000013774	ENSLOCP00000016985	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSLOGG00000010198	ENSLOCP00000012487	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSLOGG00000009518	ENSLOCP00000011629	si:ch73-41e3.7 [Source:ZFIN;Acc:ZDB-GENE-090313-163]	si:ch73-41e3.7
ENSLOGG00000006357	ENSLOCP00000007671	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSLOGG00000017611	ENSLOCP00000021716	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSLOGG000000017521	ENSLOCP00000021626	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSLOGG00000002682	ENSLOCP00000003145	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSLOGG00000016172	ENSLOCP00000019929	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSLOGG00000009160	ENSLOCP00000011164	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSLOGG00000015014	ENSLOCP00000018483	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSLOGG00000008167	ENSLOCP00000009908	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSLOGG00000002995	ENSLOCP00000003528	schlafen-like 1 [Source:HGNC Symbol;Acc:HGNC:26313]	SLFN1L
ENSLOGG00000015956	ENSLOCP00000019647	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSLOGG00000006140	ENSLOCP00000007418	single-pass membrane protein with coiled-coil domains 1 [Source:HGNC Symbol;Acc:HGNC:27407]	SMCO1
ENSLOGG000000018191	ENSLOCP00000022292	single-pass membrane protein with coiled-coil domains 3 [Source:HGNC Symbol;Acc:HGNC:34401]	SMCO3
ENSLOGG00000008416	ENSLOCP00000010229	spermatogenesis and oogenesis specific basic helix-loop-helix 2 [Source:HGNC Symbol;Acc:HGNC:26026]	SOHLH2
ENSLOGG00000004058	ENSLOCP00000004848	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1

ENSLOGG00000008092	ENSLOCP00000009825	SWIM-type zinc finger 7 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:26638]	SWSAP1
ENSLOGG00000006908	ENSLOCP00000008355	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSLOGG00000009648	ENSLOCP00000011789	transmembrane 4 L six family member 20 [Source:HGNC Symbol;Acc:HGNC:26230]	TM4SF20
ENSLOGG00000013602	ENSLOCP00000016770	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSLOGG00000006657	ENSLOCP00000008036	transmembrane protein 114 [Source:HGNC Symbol;Acc:HGNC:33227]	TMEM114
ENSLOGG00000011038	ENSLOCP00000013543	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSLOGG00000008693	ENSLOCP00000010575	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSLOGG00000006911	ENSLOCP00000008356	transmembrane protein 134 [Source:ZFIN;Acc:ZDB-GENE-040426-1345]	tmem134
ENSLOGG00000018323	ENSLOCP00000022424	transmembrane protein 158 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:30293]	TMEM158
ENSLOGG00000011080	ENSLOCP00000013601	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSLOGG00000016363	ENSLOCP00000020204	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSLOGG00000007434	ENSLOCP00000009016	transmembrane protein 212 [Source:HGNC Symbol;Acc:HGNC:34295]	TMEM212
ENSLOGG00000017926	ENSLOCP00000022029	transmembrane protein 215 [Source:HGNC Symbol;Acc:HGNC:33816]	TMEM215
ENSLOGG00000010401	ENSLOCP00000012750	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSLOGG00000010304	ENSLOCP00000012622	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSLOGG00000017278	ENSLOCP00000021371	transmembrane protein 244 [Source:ZFIN;Acc:ZDB-GENE-040724-54]	tmem244
ENSLOGG00000017357	ENSLOCP00000021462	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSLOGG00000008534	ENSLOCP00000010378	transmembrane protein 249 [Source:HGNC Symbol;Acc:HGNC:44155]	TMEM249
ENSLOGG00000006109	ENSLOCP00000007382	transmembrane protein 52 [Source:HGNC Symbol;Acc:HGNC:27916]	TMEM52
ENSLOGG00000005215	ENSLOCP00000006279	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSLOGG00000001973	ENSLOCP00000002285	tumor necrosis factor receptor superfamily, member 13B [Source:HGNC Symbol;Acc:HGNC:18153]	TNFRSF13B
ENSLOGG00000007457	ENSLOCP00000009047	tumor necrosis factor receptor superfamily, member 17 [Source:HGNC Symbol;Acc:HGNC:11913]	TNFRSF17
ENSLOGG00000016078	ENSLOCP00000019810	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkrb
ENSLOGG00000014422	ENSLOCP00000017756	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSLOGG00000012573	ENSLOCP00000015477	tetratricopeptide repeat domain 23-like [Source:HGNC Symbol;Acc:HGNC:26355]	TTC23L
ENSLOGG00000003818	ENSLOCP00000004553	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSLOGG00000016525	ENSLOCP00000020411	uroplakin 3A [Source:HGNC Symbol;Acc:HGNC:12580]	UPK3A
ENSLOGG00000015259	ENSLOCP00000018774	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSLOGG00000002591	ENSLOCP00000003043	urotensin 2, beta [Source:ZFIN;Acc:ZDB-GENE-040630-10]	uts2b
ENSLOGG00000016248	ENSLOCP00000020038	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSLOGG00000014639	ENSLOCP00000018019	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSLOGG00000014364	ENSLOCP00000017684	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSLOGG00000006530	ENSLOCP00000007890	zinc finger, CCHC domain containing 14 [Source:ZFIN;Acc:ZDB-GENE-060503-319]	zchc14
ENSLOGG00000013936	ENSLOCP00000017182	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSLOGG00000014744	ENSLOCP00000018151	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSLOGG00000000069	ENSLOCP00000000079	novel gene	ENSLOGG00000000069
ENSLOGG000000000129	ENSLOCP000000000141	novel gene	ENSLOGG000000000129
ENSLOGG000000000142	ENSLOCP000000000156	novel gene	ENSLOGG000000000142
ENSLOGG000000000143	ENSLOCP000000000157	novel gene	ENSLOGG000000000143
ENSLOGG000000000148	ENSLOCP000000000164	novel gene	ENSLOGG000000000148
ENSLOGG000000000157	ENSLOCP000000000172	novel gene	ENSLOGG000000000157
ENSLOGG000000000161	ENSLOCP000000000176	novel gene	ENSLOGG000000000161
ENSLOGG000000000206	ENSLOCP000000000229	novel gene	ENSLOGG000000000206
ENSLOGG000000000210	ENSLOCP000000000232	novel gene	ENSLOGG000000000210
ENSLOGG000000000211	ENSLOCP000000000235	novel gene	ENSLOGG000000000211
ENSLOGG000000000231	ENSLOCP000000000255	novel gene	ENSLOGG000000000231
ENSLOGG000000000269	ENSLOCP000000000292	novel gene	ENSLOGG000000000269
ENSLOGG000000000293	ENSLOCP000000000321	novel gene	ENSLOGG000000000293
ENSLOGG000000000329	ENSLOCP000000000354	novel gene	ENSLOGG000000000329
ENSLOGG000000000359	ENSLOCP000000000393	novel gene	ENSLOGG000000000359
ENSLOGG000000000397	ENSLOCP000000000432	novel gene	ENSLOGG000000000397
ENSLOGG000000000415	ENSLOCP000000000453	novel gene	ENSLOGG000000000415
ENSLOGG000000000417	ENSLOCP000000000455	novel gene	ENSLOGG000000000417
ENSLOGG000000000436	ENSLOCP000000000478	novel gene	ENSLOGG000000000436
ENSLOGG000000000479	ENSLOCP000000000525	novel gene	ENSLOGG000000000479
ENSLOGG000000000487	ENSLOCP000000000533	novel gene	ENSLOGG000000000487
ENSLOGG000000000500	ENSLOCP000000000550	novel gene	ENSLOGG000000000500
ENSLOGG000000000570	ENSLOCP000000000629	novel gene	ENSLOGG000000000570
ENSLOGG000000000611	ENSLOCP000000000671	novel gene	ENSLOGG000000000611
ENSLOGG000000000613	ENSLOCP000000000675	novel gene	ENSLOGG000000000613
ENSLOGG000000000621	ENSLOCP000000000687	novel gene	ENSLOGG000000000621
ENSLOGG000000000644	ENSLOCP000000000711	novel gene	ENSLOGG000000000644
ENSLOGG000000000646	ENSLOCP000000000715	novel gene	ENSLOGG000000000646
ENSLOGG000000000682	ENSLOCP000000000752	novel gene	ENSLOGG000000000682
ENSLOGG000000000784	ENSLOCP000000000869	novel gene	ENSLOGG000000000784
ENSLOGG000000000859	ENSLOCP000000000956	novel gene	ENSLOGG000000000859
ENSLOGG000000000945	ENSLOCP00000001050	novel gene	ENSLOGG000000000945
ENSLOGG00000001002	ENSLOCP00000001127	novel gene	ENSLOGG00000001002
ENSLOGG00000001021	ENSLOCP00000001145	novel gene	ENSLOGG00000001021
ENSLOGG00000001039	ENSLOCP00000001162	novel gene	ENSLOGG00000001039
ENSLOGG00000001206	ENSLOCP00000001356	novel gene	ENSLOGG00000001206
ENSLOGG00000001395	ENSLOCP00000001582	novel gene	ENSLOGG00000001395
ENSLOGG00000001412	ENSLOCP00000001608	novel gene	ENSLOGG00000001412
ENSLOGG00000001433	ENSLOCP00000001631	novel gene	ENSLOGG00000001433
ENSLOGG00000001450	ENSLOCP00000001650	novel gene	ENSLOGG00000001450
ENSLOGG00000001488	ENSLOCP00000001724	novel gene	ENSLOGG00000001488
ENSLOGG00000001594	ENSLOCP00000001827	novel gene	ENSLOGG00000001594
ENSLOGG00000001684	ENSLOCP00000001936	novel gene	ENSLOGG00000001684
ENSLOGG00000001755	ENSLOCP00000002021	novel gene	ENSLOGG00000001755

ENSLOG00000018115 ENSLOCP00000022216 novel gene
ENSLOG00000018160 ENSLOCP00000022261 novel gene
ENSLOG00000018204 ENSLOCP00000022305 novel gene
ENSLOG00000018222 ENSLOCP00000022323 novel gene
ENSLOG00000018257 ENSLOCP00000022358 novel gene
ENSLOG00000018293 ENSLOCP00000022394 novel gene

ENSLOG00000018115
ENSLOG00000018160
ENSLOG00000018204
ENSLOG00000018222
ENSLOG00000018257
ENSLOG00000018293

Supplemental table 41. Stickleback specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGACG00000019196	ENSGACP00000025376	apoptotic chromatin condensation inducer 1b [Source:ZFIN;Acc:ZDB-GENE-030826-12]	acin1b
ENSGACG00000003461	ENSGACP00000004529	apolipoprotein C-1 like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSGACG00000004787	ENSGACP00000006317	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSGACG00000001538	ENSGACP00000002003	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSGACG00000009132	ENSGACP00000012077	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSGACG00000005919	ENSGACP00000007818	asp (abnormal spindle)-like, microcephaly associated (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-050208-620]	aspm
ENSGACG00000003439	ENSGACP00000004497	arginyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-070410-12]	ate1
ENSGACG000000011758	ENSGACP00000015549	BCL2-associated athanogene 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5484]	bag4
ENSGACG00000017530	ENSGACP00000023160	BEN domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23815]	BEND4
ENSGACG00000019235	ENSGACP00000025424	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSGACG00000001513	ENSGACP00000001965	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSGACG00000015801	ENSGACP00000020849	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
ENSGACG00000011840	ENSGACP00000015664	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSGACG00000013025	ENSGACP00000017240	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSGACG00000016371	ENSGACP00000021613	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSGACG00000004091	ENSGACP00000005368	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C7orf62
ENSGACG00000016653	ENSGACP00000021989	chromosome 9 open reading frame 16 [Source:HGNC Symbol;Acc:HGNC:17823]	C9orf16
ENSGACG00000010290	ENSGACP00000013593	coiled-coil serine-rich protein 2 [Source:ZFIN;Acc:ZDB-GENE-121214-220]	ccser2
ENSGACG00000017257	ENSGACP00000022786	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSGACG00000008945	ENSGACP00000011825	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSGACG00000005269	ENSGACP00000006981	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSGACG00000003862	ENSGACP00000005066	centrosomal protein 68 [Source:ZFIN;Acc:ZDB-GENE-030616-565]	cep68
ENSGACG00000012466	ENSGACP00000016475	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSGACG00000001431	ENSGACP00000001854	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSGACG00000005997	ENSGACP00000007933	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSGACG00000013733	ENSGACP00000018148	chromosome X open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:28546]	CXorf22
ENSGACG00000018496	ENSGACP00000024455	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGACG00000005252	ENSGACP00000006946	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSGACG00000004165	ENSGACP00000005478	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSGACG00000004114	ENSGACP00000005405	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENK1
ENSGACG00000006546	ENSGACP00000008653	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSGACG00000010255	ENSGACP00000013557	family with sequence similarity 149, member B1 [Source:ZFIN;Acc:ZDB-GENE-070112-2102]	fam149b1
ENSGACG00000010742	ENSGACP00000014215	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSGACG00000009582	ENSGACP00000012650	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSGACG00000007173	ENSGACP00000009488	G protein-coupled receptor, class C, group 5, member A [Source:HGNC Symbol;Acc:HGNC:9836]	GPRC5A
ENSGACG00000011368	ENSGACP00000015025	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26013]	HEATR2
ENSGACG00000012031	ENSGACP00000015918	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSGACG00000014798	ENSGACP00000019541	interferon phi 1 [Source:ZFIN;Acc:ZDB-GENE-030721-3]	ifnphi1
ENSGACG00000007659	ENSGACP00000010153	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSGACG00000009363	ENSGACP00000012343	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSGACG00000012446	ENSGACP00000016451	interleukin 12 receptor, beta 2a, like [Source:ZFIN;Acc:ZDB-GENE-080107-6]	il12rb2l
ENSGACG00000017271	ENSGACP00000002805	interleukin-15 (il-15), mRNA [Source:RefSeq mRNA;Acc:NM_001267684]	il-15
ENSGACG00000015140	ENSGACP00000019968	interleukin 18 receptor 1 [Source:HGNC Symbol;Acc:HGNC:5988]	IL18R1
ENSGACG00000008005	ENSGACP00000010601	interleukin 2 receptor, beta [Source:ZFIN;Acc:ZDB-GENE-080108-2]	il2rb
ENSGACG00000016515	ENSGACP000000021812	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSGACG00000000251	ENSGACP00000000319	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSGACG00000009743	ENSGACP00000012852	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSGACG00000008128	ENSGACP00000010762	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSGACG00000005544	ENSGACP00000007325	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSGACG00000019680	ENSGACP00000026010	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napep1d
ENSGACG00000018666	ENSGACP00000024677	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsme1
ENSGACG00000011420	ENSGACP00000015096	nuclear GTPase, germinal center associated [Source:HGNC Symbol;Acc:HGNC:33550]	NUMGC
ENSGACG00000016306	ENSGACP00000021522	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSGACG00000016329	ENSGACP00000021555	poly(A) binding protein interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:17970]	PAIP2
ENSGACG00000003201	ENSGACP000000004190	pogo transposable element with ZNF domain b [Source:ZFIN;Acc:ZDB-GENE-100609-3]	pogzb
ENSGACG00000007618	ENSGACP00000010101	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSGACG00000002436	ENSGACP00000003179	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSGACG00000016780	ENSGACP00000022152	retinoblastoma binding protein 6 [Source:ZFIN;Acc:ZDB-GENE-040930-5]	rbbp6
ENSGACG00000005801	ENSGACP00000007665	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSGACG00000003538	ENSGACP00000004628	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RGS22
ENSGACG00000010285	ENSGACP00000013635	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rrp30
ENSGACG00000005926	ENSGACP00000007846	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfdc1
ENSGACG00000005046	ENSGACP00000006662	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	sap30bp
ENSGACG000000020557	ENSGACP000000027179	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSGACG00000011392	ENSGACP00000015061	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSGACG00000005334	ENSGACP00000007043	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSGACG000000020674	ENSGACP000000027341	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSGACG00000013338	ENSGACP00000017626	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSGACG00000002038	ENSGACP00000002642	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSGACG00000002313	ENSGACP00000003006	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSGACG00000009610	ENSGACP00000012675	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSGACG00000010885	ENSGACP00000014407	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSGACG00000006228	ENSGACP00000008233	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSGACG00000006775	ENSGACP00000008969	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSGACG00000002011	ENSGACP00000002613	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSGACG00000014697	ENSGACP00000019402	si:ch211-222k6.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9038]	si:ch211-222k6.2

ENSGACG000000012198	ENSGACP00000016139	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGACG00000003204	ENSGACP00000004192	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSGACG00000006311	ENSGACP00000008340	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSGACG00000003497	ENSGACP00000004579	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSGACG000000012649	ENSGACP00000016713	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSGACG000000065994	ENSGACP00000009264	si:dkey-42i9.8 [Source:ZFIN;Acc:ZDB-GENE-050208-412]	si:dkey-42i9.8
ENSGACG000000014337	ENSGACP00000018918	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSGACG000000013621	ENSGACP00000018005	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSGACG000000015899	ENSGACP00000020986	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSGACG00000000727	ENSGACP0000000938	small nuclear RNA activating complex, polypeptide 2, 45kDa [Source:HGNC Symbol;Acc:HGNC:11135]	SNAPC2
ENSGACG000000014776	ENSGACP00000019510		socs7
ENSGACG000000016280	ENSGACP00000021477	spermatogenesis associated 17 [Source:ZFIN;Acc:ZDB-GENE-111214-1]	spata17
ENSGACG000000017894	ENSGACP00000023643	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSGACG000000015983	ENSGACP00000021094	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSGACG000000006557	ENSGACP00000008666	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSGACG00000003568	ENSGACP00000004671	translational machinery associated 7 homolog (<i>S. cerevisiae</i>) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSGACG000000019555	ENSGACP00000025851	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSGACG000000005190	ENSGACP00000006871	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSGACG000000007909	ENSGACP00000010502	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSGACG000000015016	ENSGACP00000019809	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSGACG000000019564	ENSGACP00000025859	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSGACG000000006918	ENSGACP00000009171	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSGACG000000013539	ENSGACP00000017891	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSGACG000000008661	ENSGACP00000011431	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSGACG000000013177	ENSGACP00000017428	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSGACG000000013226	ENSGACP00000017482	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSGACG000000005759	ENSGACP000000007610	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSGACG000000016446	ENSGACP000000021716	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSGACG000000016490	ENSGACP000000021770	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSGACG000000001064	ENSGACP00000001374	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSGACG000000010548	ENSGACP000000013945	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSGACG000000006012	ENSGACP00000007947	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSGACG000000012251	ENSGACP00000016202	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSGACG000000017760	ENSGACP000000023465	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSGACG000000016382	ENSGACP00000021627	zinc finger protein 638 [Source:HGNC Symbol;Acc:HGNC:17894]	ZNF638
ENSGACG000000000018	ENSGACP000000000024	novel gene	ENSGACG000000000018
ENSGACG000000000030	ENSGACP000000000042	novel gene	ENSGACG000000000030
ENSGACG000000000048	ENSGACP000000000063	novel gene	ENSGACG000000000048
ENSGACG000000000058	ENSGACP000000000076	novel gene	ENSGACG000000000058
ENSGACG000000000082	ENSGACP000000000101	novel gene	ENSGACG000000000082
ENSGACG000000000153	ENSGACP000000000203	novel gene	ENSGACG000000000153
ENSGACG000000000192	ENSGACP000000000250	novel gene	ENSGACG000000000192
ENSGACG000000000217	ENSGACP000000000281	novel gene	ENSGACG000000000217
ENSGACG000000000222	ENSGACP000000000287	novel gene	ENSGACG000000000222
ENSGACG000000000285	ENSGACP000000000359	novel gene	ENSGACG000000000285
ENSGACG000000000296	ENSGACP000000000377	novel gene	ENSGACG000000000296
ENSGACG000000000300	ENSGACP000000000384	novel gene	ENSGACG000000000300
ENSGACG000000000305	ENSGACP000000000386	novel gene	ENSGACG000000000305
ENSGACG000000000325	ENSGACP000000000411	novel gene	ENSGACG000000000325
ENSGACG000000000343	ENSGACP000000000433	novel gene	ENSGACG000000000343
ENSGACG000000000375	ENSGACP000000000480	novel gene	ENSGACG000000000375
ENSGACG000000000379	ENSGACP000000000484	novel gene	ENSGACG000000000379
ENSGACG000000000405	ENSGACP000000000520	novel gene	ENSGACG000000000405
ENSGACG000000000409	ENSGACP000000000526	novel gene	ENSGACG000000000409
ENSGACG000000000429	ENSGACP000000000550	novel gene	ENSGACG000000000429
ENSGACG000000000430	ENSGACP000000000551	novel gene	ENSGACG000000000430
ENSGACG000000000432	ENSGACP000000000553	novel gene	ENSGACG000000000432
ENSGACG000000000488	ENSGACP000000000622	novel gene	ENSGACG000000000488
ENSGACG000000000513	ENSGACP000000000657	novel gene	ENSGACG000000000513
ENSGACG000000000519	ENSGACP000000000661	novel gene	ENSGACG000000000519
ENSGACG000000000533	ENSGACP000000000684	novel gene	ENSGACG000000000533
ENSGACG000000000546	ENSGACP000000000704	novel gene	ENSGACG000000000546
ENSGACG000000000574	ENSGACP000000000741	novel gene	ENSGACG000000000574
ENSGACG000000000577	ENSGACP000000000743	novel gene	ENSGACG000000000577
ENSGACG000000000593	ENSGACP000000000762	novel gene	ENSGACG000000000593
ENSGACG000000000606	ENSGACP000000000779	novel gene	ENSGACG000000000606
ENSGACG000000000621	ENSGACP000000000802	novel gene	ENSGACG000000000621
ENSGACG000000000632	ENSGACP000000000815	novel gene	ENSGACG000000000632
ENSGACG000000000736	ENSGACP000000000949	novel gene	ENSGACG000000000736
ENSGACG000000000780	ENSGACP00000001003	novel gene	ENSGACG000000000780
ENSGACG000000000796	ENSGACP00000001021	novel gene	ENSGACG000000000796
ENSGACG000000000808	ENSGACP00000001036	novel gene	ENSGACG000000000808
ENSGACG000000000837	ENSGACP00000001083	novel gene	ENSGACG000000000837
ENSGACG000000000881	ENSGACP00000001143	novel gene	ENSGACG000000000881
ENSGACG000000000885	ENSGACP00000001146	novel gene	ENSGACG000000000885
ENSGACG000000000889	ENSGACP00000001149	novel gene	ENSGACG000000000889
ENSGACG000000000894	ENSGACP00000001157	novel gene	ENSGACG000000000894
ENSGACG000000000954	ENSGACP00000001229	novel gene	ENSGACG000000000954
ENSGACG000000000971	ENSGACP00000001252	novel gene	ENSGACG000000000971

ENSGACG00000020324	ENSGACP00000026853	novel gene	ENSGACG00000020324
ENSGACG00000020372	ENSGACP00000026929	novel gene	ENSGACG00000020372
ENSGACG00000020448	ENSGACP00000027040	novel gene	ENSGACG00000020448
ENSGACG00000020484	ENSGACP00000027089	novel gene	ENSGACG00000020484
ENSGACG00000020490	ENSGACP00000027096	novel gene	ENSGACG00000020490
ENSGACG00000020491	ENSGACP00000027097	novel gene	ENSGACG00000020491
ENSGACG00000020496	ENSGACP00000027103	novel gene	ENSGACG00000020496
ENSGACG00000020518	ENSGACP00000027130	novel gene	ENSGACG00000020518
ENSGACG00000020611	ENSGACP00000027261	novel gene	ENSGACG00000020611
ENSGACG00000020646	ENSGACP00000027308	novel gene	ENSGACG00000020646
ENSGACG00000020648	ENSGACP00000027310	novel gene	ENSGACG00000020648
ENSGACG00000020670	ENSGACP00000027336	novel gene	ENSGACG00000020670
ENSGACG00000020772	ENSGACP00000027465	novel gene	ENSGACG00000020772
ENSGACG00000020782	ENSGACP00000027478	novel gene	ENSGACG00000020782
ENSGACG00000020801	ENSGACP00000027502	novel gene	ENSGACG00000020801
ENSGACG00000020802	ENSGACP00000027503	novel gene	ENSGACG00000020802
ENSGACG00000020806	ENSGACP00000027508	novel gene	ENSGACG00000020806
ENSGACG00000020809	ENSGACP00000027511	novel gene	ENSGACG00000020809
ENSGACG00000020818	ENSGACP00000027524	novel gene	ENSGACG00000020818
ENSGACG00000020828	ENSGACP00000027537	novel gene	ENSGACG00000020828
ENSGACG00000020833	ENSGACP00000027544	novel gene	ENSGACG00000020833
ENSGACG00000020852	ENSGACP00000027570	novel gene	ENSGACG00000020852
ENSGACG00000020860	ENSGACP00000027581	novel gene	ENSGACG00000020860
ENSGACG00000020868	ENSGACP00000027592	novel gene	ENSGACG00000020868
ENSGACG00000020881	ENSGACP00000027609	novel gene	ENSGACG00000020881
ENSGACG00000020882	ENSGACP00000027610	novel gene	ENSGACG00000020882
ENSGACG00000020886	ENSGACP00000027618	novel gene	ENSGACG00000020886
ENSGACG00000020891	ENSGACP00000027625	novel gene	ENSGACG00000020891
ENSGACG00000020893	ENSGACP00000027627	novel gene	ENSGACG00000020893
ENSGACG00000020898	ENSGACP00000027632	novel gene	ENSGACG00000020898

Supplemental table 42. Tetraodon specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTNIG0000007939	ENSTNIP00000010760	apoptotic chromatin condensation inducer 1a [Source:ZFIN;Acc:ZDB-GENE-030616-583]	acin1a
ENSTNIG0000003983	ENSTNIP00000003641	alpha-2-HS-glycoprotein [Source:ZFIN;Acc:ZDB-GENE-041114-50]	ahsg
ENSTNIG00000012389	ENSTNIP00000015357	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090133-66]	apopt1
ENSTNIG0000006709	ENSTNIP00000009493	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armac8
ENSTNIG0000001575	ENSTNIP00000003081	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSTNIG0000001285	ENSTNIP00000001845	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C059]	ASIP2
ENSTNIG0000000889	ENSTNIP00000001357	chromosome 14 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:20498]	C14orf159
ENSTNIG00000012080	ENSTNIP00000015044	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSTNIG00000005802	ENSTNIP00000008520	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Acc:HGNC:40037]	C18orf63
ENSTNIG00000013469	ENSTNIP00000016464	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C2orf42
		Chromosome undetermined SCAF14965, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4R256]	
ENSTNIG00000014252	ENSTNIP00000017266	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C3orf14
ENSTNIG00000014689	ENSTNIP00000017719	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C5orf34
ENSTNIG00000007875	ENSTNIP00000010695	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSTNIG00000019809	ENSTNIP00000023074	caspase recruitment domain family, member 16 [Source:HGNC Symbol;Acc:HGNC:33701]	CARD16
ENSTNIG00000009923	ENSTNIP00000012815	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSTNIG0000001027	ENSTNIP00000000039	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSTNIG0000001447	ENSTNIP00000000873	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSTNIG00000000563	ENSTNIP00000015533	centlein, centrosomal protein [Source:HGNC Symbol;Acc:HGNC:23432]	CNTLN
ENSTNIG00000009217	ENSTNIP00000012079	collagen, type XVI, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-351]	col16a1
ENSTNIG0000001793	ENSTNIP00000004157	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2E5]	CRFA12
ENSTNIG00000000781	ENSTNIP00000000498	cytokine receptor family member b1 [Source:ZFIN;Acc:ZDB-GENE-030131-8673]	crfb1
ENSTNIG00000005055	ENSTNIP000000007720	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZ14]	CRFB6
ENSTNIG00000013480	ENSTNIP00000016475	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSTNIG00000002715	ENSTNIP00000005273	cytochrome b5 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050417-173]	cyb5d1
ENSTNIG00000006551	ENSTNIP00000009324	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSTNIG00000016663	ENSTNIP00000002534	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSTNIG00000005696	ENSTNIP00000008046	eukaryotic translation elongation factor 1 epsilon 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4949]	eef1e1
ENSTNIG00000013637	ENSTNIP00000016636	enkurin, TRPC channel interacting protein [Source:ZFIN;Acc:ZDB-GENE-070718-1]	enkur
ENSTNIG00000004347	ENSTNIP000000006982	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:ZFIN;Acc:ZDB-GENE-030131-1091]	fah
ENSTNIG00000010315	ENSTNIP00000013219	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSTNIG00000013023	ENSTNIP00000016002	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSTNIG00000013337	ENSTNIP00000016327	Gonadoliberin [Source:UniProtKB/TrEMBL;Acc:Q3LG41]	GNRH-III
ENSTNIG00000008838	ENSTNIP00000011689	Chromosome 13 SCAF14566, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SKA9]	GSTENG10005279001
ENSTNIG00000016433	ENSTNIP00000019531	Chromosome 2 SCAF15004, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQT8]	GSTENG10013022001
ENSTNIG00000011934	ENSTNIP00000014894	Chromosome 3 SCAF14707, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S8A2]	GSTENG10015208001
		Chromosome undetermined SCAF12061, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SYH7]	
ENSTNIG00000005658	ENSTNIP00000008365	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SAZ6]	GSTENG10022217001
ENSTNIG00000011238	ENSTNIP00000014176	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	GSTENG10022641001
ENSTNIG00000003394	ENSTNIP00000005981	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSTNIG00000014760	ENSTNIP00000017797	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSTNIG00000012623	ENSTNIP00000015595	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSTNIG00000018467	ENSTNIP00000021641	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RH55]	IGFLR1
ENSTNIG00000000946	ENSTNIP00000001386	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSTNIG00000011180	ENSTNIP00000004182	Interleukin [Source:UniProtKB/TrEMBL;Acc:H3C7G0]	IL15
ENSTNIG00000000265	ENSTNIP00000001285	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZ69]	IL-18
ENSTNIG00000008012	ENSTNIP000000010834	INO80 complex subunit E [Source:ZFIN;Acc:ZDB-GENE-040426-1818]	ino80e
ENSTNIG00000008258	ENSTNIP00000011088	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSTNIG00000000295	ENSTNIP00000002939	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSTNIG00000014308	ENSTNIP00000017323	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSTNIG00000005528	ENSTNIP00000023001	lysine (K)-specific demethylase 6B, b [Source:ZFIN;Acc:ZDB-GENE-040724-166]	kdm6bb
ENSTNIG00000006779	ENSTNIP00000009566	kininogen 1 [Source:ZFIN;Acc:ZDB-GENE-041010-56]	kng1
ENSTNIG00000015034	ENSTNIP00000018085	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSTNIG00000019506	ENSTNIP00000022726	ligase I, DNA, ATP-dependent [Source:HGNC Symbol;Acc:HGNC:6598]	LIG1
ENSTNIG00000003906	ENSTNIP00000006513	Ly1 antibody reactive [Source:HGNC Symbol;Acc:HGNC:26021]	LYAR
ENSTNIG00000005358	ENSTNIP00000008041	MAP7 domain containing 2b [Source:ZFIN;Acc:ZDB-GENE-091118-82]	map7d2b
ENSTNIG00000019068	ENSTNIP00000022262	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
		Chromosome undetermined SCAF9059, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4TSX0]	
ENSTNIG00000004037	ENSTNIP00000006647	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	MPLKIP
ENSTNIG00000008823	ENSTNIP00000011674	mechanistic target of rapamycin (serine/threonine kinase) [Source:ZFIN;Acc:ZDB-GENE-030131-2974]	mt2
ENSTNIG00000005715	ENSTNIP00000008426	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	ntor
ENSTNIG00000007575	ENSTNIP00000010386	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	napepld
ENSTNIG0000001349	ENSTNIP00000000466	aminopeptidase-like 1 [Source:ZFIN;Acc:ZDB-GENE-050417-177]	nmbb
ENSTNIG00000001641	ENSTNIP00000003050	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	npepl1
ENSTNIG00000019364	ENSTNIP00000000713	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	nsmc1
ENSTNIG00000014162	ENSTNIP00000017172	PRKC, apoptosis, WT1, regulator [Source:ZFIN;Acc:ZDB-GENE-041010-108]	obfc1
ENSTNIG00000012654	ENSTNIP00000015627	phosphatidylinositol glycan anchor biosynthesis, class G [Source:HGNC Symbol;Acc:HGNC:25985]	pawr
ENSTNIG00000000283	ENSTNIP00000003469	phosphatidylinositol glycan anchor biosynthesis, class G [Source:HGNC Symbol;Acc:HGNC:25985]	PIGG
ENSTNIG00000008536	ENSTNIP00000011376	Chromosome 7 SCAF14557, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SLH5]	PIGL
ENSTNIG00000005910	ENSTNIP00000008637	polymerase (RNA) II (DNA directed) polypeptide G-like [Source:ZFIN;Acc:ZDB-GENE-030131-2808]	polr2gl

ENSTNIG00000014369	ENSTNIP00000017386	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC:9211]	POU2AF1
ENSTNIG0000001517	ENSTNIP00000002193	pancreatic progenitor cell differentiation and proliferation factor b [Source:ZFIN;Acc:ZDB-GENE-030131-8247]	ppdpfb
ENSTNIG00000014625	ENSTNIP00000017654	RAD18 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-745]	rad18
ENSTNIG00000016991	ENSTNIP00000020115	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSTNIG00000006327	ENSTNIP00000009087	Chromosome 7 SCAF13760, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SVF0]	RCS1
ENSTNIG00000015855	ENSTNIP00000018940	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39] Chromosome undetermined SCAF14676, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SB95]	rhbdd3
ENSTNIG00000011163	ENSTNIP00000014098	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	RPAIN
ENSTNIG00000018540	ENSTNIP000000021714	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	rpp30
ENSTNIG00000011513	ENSTNIP00000004063	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	sap30bp
ENSTNIG00000009870	ENSTNIP00000012760	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch1073-126c3.2
ENSTNIG00000010020	ENSTNIP00000012915	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-114c12.2
ENSTNIG00000012525	ENSTNIP00000015494	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-210c8.6
ENSTNIG00000012508	ENSTNIP00000001645	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-255g12.6
ENSTNIG00000017574	ENSTNIP00000020720	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch211-81a5.8
ENSTNIG00000005522	ENSTNIP00000008221	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-112l6.1
ENSTNIG00000012720	ENSTNIP00000015695	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:ch73-196k8.2
ENSTNIG00000004177	ENSTNIP00000006798	si:dkey-172o19.2 [Source:ZFIN;Acc:ZDB-GENE-070424-213]	si:dkey-10p5.7
ENSTNIG00000004975	ENSTNIP00000007640	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-172o19.2
ENSTNIG00000017959	ENSTNIP00000021121	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	si:dkey-30c15.13
ENSTNIG00000000575	ENSTNIP00000000283	serine palmitoyltransferase, long chain base subunit 1 [Source:ZFIN;Acc:ZDB-GENE-050522-61]	spp1
ENSTNIG00000005919	ENSTNIP00000008647	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HGNC:26729]	sptlc1
ENSTNIG00000008549	ENSTNIP00000011389	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	SRRM3
ENSTNIG00000007502	ENSTNIP00000010311	tafazzin [Source:ZFIN;Acc:ZDB-GENE-030131-684]	surf1
ENSTNIG00000006829	ENSTNIP00000009621	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWG4]	taz
ENSTNIG00000000605	ENSTNIP00000009338	Translation machinery-associated protein 7 [Source:UniProtKB/Swiss-Prot;Acc:Q4SUE2]	TF2
ENSTNIG00000012890	ENSTNIP00000015866	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	TMA7
ENSTNIG00000010531	ENSTNIP00000013443	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem130
ENSTNIG000000003776	ENSTNIP000000006376	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem206
ENSTNIG00000005064	ENSTNIP00000007729	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem237a
ENSTNIG00000001122	ENSTNIP00000002236	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem246
ENSTNIG00000014390	ENSTNIP00000017407	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem72
ENSTNIG00000008133	ENSTNIP00000010958	thiamin pyrophosphokinase 1 [Source:ZFIN;Acc:ZDB-GENE-041010-176] Chromosome undetermined SCAF14629, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SDW1]	tmem97
ENSTNIG00000010486	ENSTNIP00000013395	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	tpk1
ENSTNIG00000019229	ENSTNIP00000022429	UBA-like domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-050522-185]	TPRBK
ENSTNIG00000011307	ENSTNIP00000014247	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Acc:HGNC:30298]	ttc23
ENSTNIG00000000432	ENSTNIP00000000415	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	ubald2
ENSTNIG0000001089	ENSTNIP00000003365	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	UIMC1
ENSTNIG00000006439	ENSTNIP00000009207	vesicle transport through interaction with t-SNAREs homolog 1A (yeast) [Source:ZFIN;Acc:ZDB-GENE-050809-135]	VPS13B
ENSTNIG00000010306	ENSTNIP00000013210	WD repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:21248]	VSTM5
ENSTNIG00000001096	ENSTNIP00000002955	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	vt1a
ENSTNIG00000000145	ENSTNIP00000002086	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	WDR27
ENSTNIG0000001443	ENSTNIP00000002715	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:103625
ENSTNIG00000017478	ENSTNIP00000020622	zinc finger protein 318 [Source:HGNC Symbol;Acc:HGNC:13578]	zgc:136474
ENSTNIG00000013375	ENSTNIP00000016366	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVK4]	zgc:152791
ENSTNIG0000001371	ENSTNIP00000000016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVK5]	ZNF318
ENSTNIG00000006650	ENSTNIP00000000017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVN2]	ENSTNIG000000001371
ENSTNIG00000010669	ENSTNIP00000000044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BV53]	ENSTNIG000000000650
ENSTNIG00000000869	ENSTNIP00000000085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BV17]	ENSTNIG0000000010669
ENSTNIG00000001734	ENSTNIP00000000118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVY8]	ENSTNIG000000000869
ENSTNIG0000001579	ENSTNIP00000000150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW07]	ENSTNIG000000001734
ENSTNIG00000000461	ENSTNIP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWR8]	ENSTNIG000000001579
ENSTNIG00000001332	ENSTNIP00000000179	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW81]	ENSTNIG00000000461
ENSTNIG00000000995	ENSTNIP00000000203	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWA1]	ENSTNIG000000001332
ENSTNIG00000000405	ENSTNIP00000000243	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWD8]	ENSTNIG00000000995
ENSTNIG00000001434	ENSTNIP00000000263	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWE3]	ENSTNIG00000000405
ENSTNIG00000000812	ENSTNIP00000000300	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWL8]	ENSTNIG000000001434
ENSTNIG00000000636	ENSTNIP00000000305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWX4]	ENSTNIG00000000812
ENSTNIG00000000424	ENSTNIP00000000380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWP5]	ENSTNIG00000000636
ENSTNIG0000001341	ENSTNIP00000000385	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWR8]	ENSTNIG00000000424
ENSTNIG00000000734	ENSTNIP00000000408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWX4]	ENSTNIG0000001341
ENSTNIG00000001737	ENSTNIP00000000431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWX5]	ENSTNIG00000000734
ENSTNIG0000001483	ENSTNIP00000000487	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX05]	ENSTNIG00000001737
ENSTNIG00000001709	ENSTNIP00000000488	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX09]	ENSTNIG0000001483
ENSTNIG00000001617	ENSTNIP00000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX13]	ENSTNIG00000001709
ENSTNIG00000000525	ENSTNIP00000000522	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX20]	ENSTNIG00000001617
ENSTNIG00000002544	ENSTNIP00000000526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX31]	ENSTNIG00000000525
ENSTNIG00000001180	ENSTNIP00000000533	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX45]	ENSTNIG00000002544
ENSTNIG00000001227	ENSTNIP00000000544	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX81]	ENSTNIG00000001180
ENSTNIG00000001615	ENSTNIP00000000558	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXA7]	ENSTNIG00000001227
ENSTNIG00000000910	ENSTNIP00000000594	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXF2]	ENSTNIG00000001615
ENSTNIG00000000683	ENSTNIP00000000620	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXH5]	ENSTNIG00000000910
ENSTNIG00000000317	ENSTNIP00000000665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXT1]	ENSTNIG00000000683
ENSTNIG00000000066	ENSTNIP00000000688	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXV5]	ENSTNIG00000000317
ENSTNIG00000000266	ENSTNIP00000000794		ENSTNIG00000000066
ENSTNIG00000001271	ENSTNIP00000000818		ENSTNIG00000000266
			ENSTNIG00000001271

ENSTNIG00000015556	ENSTNIP0000000853	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY8]	ENSTNIG00000015556
ENSTNIG0000001261	ENSTNIP0000000890	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY25]	ENSTNIG0000001261
ENSTNIG0000001108	ENSTNIP0000000961	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY96]	ENSTNIG0000001108
ENSTNIG0000000030	ENSTNIP0000001069	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYK3]	ENSTNIG0000000030
ENSTNIG0000000369	ENSTNIP0000001114	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYP8]	ENSTNIG0000000369
ENSTNIG0000000733	ENSTNIP0000001117	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYQ1]	ENSTNIG0000000733
ENSTNIG0000000794	ENSTNIP0000001169	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BVB3]	ENSTNIG0000000794
ENSTNIG0000000964	ENSTNIP0000001192	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYX6]	ENSTNIG0000000964
ENSTNIG0000000759	ENSTNIP0000001248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ32]	ENSTNIG0000000759
ENSTNIG0000001373	ENSTNIP0000001297	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ81]	ENSTNIG0000001373
ENSTNIG0000000096	ENSTNIP0000001331	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ85]	ENSTNIG0000000096
ENSTNIG0000000554	ENSTNIP0000001390	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZH4]	ENSTNIG0000000554
ENSTNIG0000000240	ENSTNIP0000001460	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZP4]	ENSTNIG0000000240
ENSTNIG00000007929	ENSTNIP0000001543	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BX7]	ENSTNIG00000007929
ENSTNIG0000000786	ENSTNIP0000001666	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3COA0]	ENSTNIG0000000786
ENSTNIG0000000475	ENSTNIP0000001746	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3COI0]	ENSTNIG0000000475
ENSTNIG0000000036	ENSTNIP0000001808	Interleukin	[Source:UniProtKB/TrEMBL;Acc:H3C5V2]	ENSTNIG0000000036
ENSTNIG0000001266	ENSTNIP0000001812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3COP6]	ENSTNIG0000001266
ENSTNIG0000001458	ENSTNIP0000001841	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3COS5]	ENSTNIG0000001458
ENSTNIG0000001481	ENSTNIP0000001843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3COS7]	ENSTNIG0000001481
ENSTNIG0000000671	ENSTNIP0000001862	novel gene		ENSTNIG0000000671
ENSTNIG0000000088	ENSTNIP0000001922	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C106]	ENSTNIG0000000088
ENSTNIG00000017218	ENSTNIP0000001963	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C147]	ENSTNIG00000017218
ENSTNIG0000001179	ENSTNIP0000002057	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1E1]	ENSTNIG0000001179
ENSTNIG0000000206	ENSTNIP0000002099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1U1]	ENSTNIG0000000206
ENSTNIG0000001528	ENSTNIP0000002106	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1J0]	ENSTNIG0000001528
ENSTNIG0000000400	ENSTNIP0000002127	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1L1]	ENSTNIG0000000400
ENSTNIG0000001346	ENSTNIP0000002208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2U1]	ENSTNIG0000001346
ENSTNIG0000001707	ENSTNIP0000002210	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1U3]	ENSTNIG0000001707
ENSTNIG0000000591	ENSTNIP0000002225	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1V8]	ENSTNIG0000000591
ENSTNIG00000000991	ENSTNIP0000002246	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1X9]	ENSTNIG00000000991
ENSTNIG0000000051	ENSTNIP0000002307	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C239]	ENSTNIG0000000051
ENSTNIG0000000286	ENSTNIP0000002370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2A2]	ENSTNIG0000000286
ENSTNIG0000001470	ENSTNIP0000002382	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2B4]	ENSTNIG0000001470
ENSTNIG0000001479	ENSTNIP0000002386	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BWQ0]	ENSTNIG0000001479
ENSTNIG0000001020	ENSTNIP0000002404	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2D6]	ENSTNIG0000001020
ENSTNIG0000001618	ENSTNIP0000002416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2E8]	ENSTNIG0000001618
ENSTNIG0000000328	ENSTNIP0000002490	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2M2]	ENSTNIG0000000328
ENSTNIG0000001720	ENSTNIP0000002527	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C12A]	ENSTNIG0000001720
ENSTNIG0000000348	ENSTNIP0000002542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C254]	ENSTNIG0000000348
ENSTNIG0000001466	ENSTNIP0000002544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C256]	ENSTNIG0000001466
ENSTNIG0000000300	ENSTNIP0000002566	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2U7]	ENSTNIG0000000300
ENSTNIG0000000592	ENSTNIP0000002615	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2Z8]	ENSTNIG0000000592
ENSTNIG0000000426	ENSTNIP0000002621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C303]	ENSTNIG0000000426
ENSTNIG0000000117	ENSTNIP0000002693	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C374]	ENSTNIG0000000117
ENSTNIG0000002430	ENSTNIP0000002723	Natriuretic peptide	[Source:UniProtKB/TrEMBL;Acc:H3C3A4]	ENSTNIG0000002430
ENSTNIG0000001732	ENSTNIP0000002776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3F7]	ENSTNIG0000001732
ENSTNIG0000000445	ENSTNIP0000002812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3J3]	ENSTNIG0000000445
ENSTNIG0000000359	ENSTNIP0000002850	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3N1]	ENSTNIG0000000359
ENSTNIG0000000625	ENSTNIP0000002902	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T3]	ENSTNIG0000000625
ENSTNIG0000001011	ENSTNIP0000002906	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T7]	ENSTNIG0000001011
ENSTNIG0000000024	ENSTNIP0000002907	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T8]	ENSTNIG0000000024
ENSTNIG0000000367	ENSTNIP0000002937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3W8]	ENSTNIG0000000367
ENSTNIG0000000965	ENSTNIP0000002964	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3Z5]	ENSTNIG0000000965
ENSTNIG0000000068	ENSTNIP0000002984	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C415]	ENSTNIG0000000068
ENSTNIG0000002691	ENSTNIP0000003047	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C478]	ENSTNIG0000002691
ENSTNIG0000000380	ENSTNIP0000003082	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4B3]	ENSTNIG0000000380
ENSTNIG0000001643	ENSTNIP0000003126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4F7]	ENSTNIG0000001643
ENSTNIG0000000031	ENSTNIP0000003158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4I9]	ENSTNIG0000000031
ENSTNIG0000000983	ENSTNIP0000003218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4P9]	ENSTNIG0000000983
ENSTNIG0000001474	ENSTNIP0000003234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4R5]	ENSTNIG0000001474
ENSTNIG00000001514	ENSTNIP0000003236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4R7]	ENSTNIG00000001514
ENSTNIG0000000473	ENSTNIP0000003256	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4T7]	ENSTNIG0000000473
ENSTNIG0000000025	ENSTNIP0000003336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C517]	ENSTNIG0000000025
ENSTNIG0000000002	ENSTNIP0000003408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C589]	ENSTNIG0000000002
ENSTNIG0000000534	ENSTNIP0000003452	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5D3]	ENSTNIG0000000534
ENSTNIG0000001301	ENSTNIP0000003458	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5D9]	ENSTNIG0000001301
ENSTNIG00000000958	ENSTNIP0000003501	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I2]	ENSTNIG00000000958
ENSTNIG0000001433	ENSTNIP0000003504	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I5]	ENSTNIG0000001433
ENSTNIG0000001507	ENSTNIP0000003544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXX1]	ENSTNIG0000001507
ENSTNIG0000003659	ENSTNIP0000003639	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXA6]	ENSTNIG0000003659
ENSTNIG0000000668	ENSTNIP0000003674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C604]	ENSTNIG0000000668
ENSTNIG0000001823	ENSTNIP0000003680	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZR4]	ENSTNIG0000001823
ENSTNIG0000000481	ENSTNIP0000003721	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C651]	ENSTNIG0000000481
ENSTNIG0000000138	ENSTNIP0000003730	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C660]	ENSTNIG0000000138
ENSTNIG0000000374	ENSTNIP0000003794	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6C4]	ENSTNIG0000000374
ENSTNIG0000000308	ENSTNIP0000003823	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6F3]	ENSTNIG0000000308
ENSTNIG0000000682	ENSTNIP0000003860	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6J0]	ENSTNIG0000000682
ENSTNIG0000001666	ENSTNIP0000003897	novel gene		ENSTNIG0000001666

ENSTNIG0000001616	ENSTNIP0000003928	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYL4]	ENSTNIG0000001616
ENSTNIG0000001738	ENSTNIP0000003934	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6R3]	ENSTNIG0000001738
ENSTNIG0000000679	ENSTNIP0000003976	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6V5]	ENSTNIG0000000679
ENSTNIG0000000504	ENSTNIP00000004101	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C780]	ENSTNIG0000000504
ENSTNIG0000001860	ENSTNIP00000004234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7L2]	ENSTNIG0000001860
ENSTNIG00000001875	ENSTNIP00000004250	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7M8]	ENSTNIG00000001875
ENSTNIG0000001893	ENSTNIP00000004268	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7P6]	ENSTNIG0000001893
ENSTNIG0000001972	ENSTNIP00000004369	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7Z7]	ENSTNIG0000001972
ENSTNIG00000002079	ENSTNIP00000004510	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8D8]	ENSTNIG00000002079
ENSTNIG0000002215	ENSTNIP00000004670	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8U8]	ENSTNIG0000002215
ENSTNIG00000000078	ENSTNIP00000004678	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZG8]	ENSTNIG00000000078
ENSTNIG00000002238	ENSTNIP00000004698	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8X6]	ENSTNIG00000002238
ENSTNIG0000002283	ENSTNIP00000004756	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C934]	ENSTNIG0000002283
ENSTNIG00000002324	ENSTNIP00000004809	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3I6]	ENSTNIG00000002324
ENSTNIG00000006184	ENSTNIP00000004875	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9F3]	ENSTNIG00000006184
ENSTNIG0000002452	ENSTNIP00000004987	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9R5]	ENSTNIG0000002452
		Chromosome undetermined SCAF7053, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000002521	ENSTNIP00000005072	[Source:UniProtKB/TrEMBL;Acc:Q4TC45]		ENSTNIG00000002521
ENSTNIG0000002835	ENSTNIP00000005400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAX8]	ENSTNIG0000002835
ENSTNIG0000001861	ENSTNIP00000005493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZQ7]	ENSTNIG0000001861
ENSTNIG00000003218	ENSTNIP00000005800	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CC28]	ENSTNIG00000003218
		Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000003244	ENSTNIP00000005827	[Source:UniProtKB/TrEMBL;Acc:Q4T9A1]		ENSTNIG00000003244
		Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein		
ENSTNIG00000003245	ENSTNIP00000005828	[Source:UniProtKB/TrEMBL;Acc:Q4T9A0]		ENSTNIG00000003245
ENSTNIG00000003329	ENSTNIP00000005915	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CCE3]	ENSTNIG00000003329
ENSTNIG00000003700	ENSTNIP00000006299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDH6]	ENSTNIG00000003700
ENSTNIG00000003750	ENSTNIP00000006350	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDM7]	ENSTNIG00000003750
		Chromosome 2 SCAF8387, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T713]	ENSTNIG00000003796
ENSTNIG00000003796	ENSTNIP00000006396	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE45]	ENSTNIG00000003796
ENSTNIG00000003912	ENSTNIP00000006519	Chromosome undetermined SCAF9151, whole genome shotgun sequence.; Uncharacterized protein		ENSTNIG00000003912
		[Source:UniProtKB/TrEMBL;Acc:Q4T5R4]		
ENSTNIG00000004070	ENSTNIP00000006681	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CES1]	ENSTNIG00000004070
ENSTNIG00000004128	ENSTNIP00000006745	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CF77]	ENSTNIG00000004128
ENSTNIG00000004272	ENSTNIP00000006901	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CG99]	ENSTNIG00000004272
ENSTNIG00000004625	ENSTNIP00000007276	Chromosome undetermined SCAF10538, whole genome shotgun sequence; Uncharacterized protein		ENSTNIG00000004625
		[Source:UniProtKB/TrEMBL;Acc:Q4T1N3]		
ENSTNIG00000004965	ENSTNIP00000007630	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY40]	ENSTNIG00000004965
ENSTNIG00000005236	ENSTNIP00000007913	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7H3]	ENSTNIG00000005236
ENSTNIG00000005240	ENSTNIP00000007917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CI75]	ENSTNIG00000005240
ENSTNIG00000005274	ENSTNIP00000007953	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXB9]	ENSTNIG00000005274
ENSTNIG00000005294	ENSTNIP00000007974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1L6]	ENSTNIG00000005294
ENSTNIG00000005408	ENSTNIP00000008094	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIP5]	ENSTNIG00000005408
ENSTNIG00000005435	ENSTNIP00000008123	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIB3]	ENSTNIG00000005435
ENSTNIG00000005637	ENSTNIP00000008342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CJQ2]	ENSTNIG00000005637
ENSTNIG00000005769	ENSTNIP00000008484	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CJR5]	ENSTNIG00000005769
ENSTNIG00000005775	ENSTNIP00000008491	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T5]	ENSTNIG00000005775
ENSTNIG00000005812	ENSTNIP00000008534	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CK95]	ENSTNIG00000005812
ENSTNIG00000005939	ENSTNIP00000008674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKB4]	ENSTNIG00000005939
ENSTNIG00000005958	ENSTNIP00000008693	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKD0]	ENSTNIG00000005958
ENSTNIG00000005972	ENSTNIP00000008709	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKL2]	ENSTNIG00000005972
ENSTNIG00000006048	ENSTNIP00000008791	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKQ2]	ENSTNIG00000006048
ENSTNIG00000006087	ENSTNIP00000008831	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKY9]	ENSTNIG00000006087
ENSTNIG00000006170	ENSTNIP00000008918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CL44]	ENSTNIG00000006170
ENSTNIG00000006223	ENSTNIP00000008973	Chromosome undetermined SCAF13751, whole genome shotgun sequence; Uncharacterized protein		ENSTNIG00000006223
		[Source:UniProtKB/TrEMBL;Acc:Q4SVM3]		
ENSTNIG00000006275	ENSTNIP00000009034	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLE5]	ENSTNIG00000006275
ENSTNIG00000006314	ENSTNIP00000009074	Uncharacterized protein		ENSTNIG00000006314
		Chromosome 21 SCAF13761, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SVE4]	ENSTNIG00000006333
ENSTNIG00000006333	ENSTNIP00000009093	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLQ8]	ENSTNIG00000006333
ENSTNIG00000006419	ENSTNIP00000009187	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLX1]	ENSTNIG00000006419
ENSTNIG00000006482	ENSTNIP00000009251	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLX3]	ENSTNIG00000006482
ENSTNIG00000006484	ENSTNIP00000009253	Chromosome undetermined SCAF13844, whole genome shotgun sequence; Uncharacterized protein		ENSTNIG00000006484
		[Source:UniProtKB/TrEMBL;Acc:Q4SUQ9]		
ENSTNIG00000006498	ENSTNIP00000009267	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CM00]	ENSTNIG00000006498
ENSTNIG00000006510	ENSTNIP00000009280	Chromosome undetermined SCAF14010, whole genome shotgun sequence; Uncharacterized protein		ENSTNIG00000006510
		[Source:UniProtKB/TrEMBL;Acc:Q4SU61]		
ENSTNIG00000006614	ENSTNIP00000009391	Chromosome undetermined SCAF14317, whole genome shotgun sequence; Uncharacterized protein		ENSTNIG00000006614
		[Source:UniProtKB/TrEMBL;Acc:Q4ST21]		
ENSTNIG00000006852	ENSTNIP00000009645	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CNF2]	ENSTNIG00000006852
ENSTNIG00000006983	ENSTNIP00000009783	Chromosome undetermined SCAF14526, whole genome shotgun sequence; Uncharacterized protein		ENSTNIG00000006983
		[Source:UniProtKB/TrEMBL;Acc:Q4SRG5]		
ENSTNIG00000007245	ENSTNIP00000010048	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CP90]	ENSTNIG00000007245
ENSTNIG00000007269	ENSTNIP00000010073	Uncharacterized protein		ENSTNIG00000007269
		Chromosome 1 SCAF14529, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SQV7]	ENSTNIG00000007393
ENSTNIG00000007393	ENSTNIP00000010199	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG00000007393
ENSTNIG00000007618	ENSTNIP00000010433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQQ1]	ENSTNIG00000007618
ENSTNIG00000007767	ENSTNIP00000010585	Uncharacterized protein		ENSTNIG00000007767

ENSTNIG0000007808	ENSTNIP00000010628	Chromosome 15 SCAF14542, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SP95]	ENSTNIG0000007808
ENSTNIG0000007827	ENSTNIP00000010647	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CQW3]	ENSTNIG0000007827
ENSTNIG0000008009	ENSTNIP00000010831	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CRE7]	ENSTNIG0000008009
ENSTNIG0000008701	ENSTNIP00000011551	Chromosome undetermined SCAF14565, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SKU5]	ENSTNIG0000008701
ENSTNIG0000009118	ENSTNIP00000011978	Chromosome 4 SCAF14575, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SJ74]	ENSTNIG0000009118
ENSTNIG0000009160	ENSTNIP00000012021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CUT7]	ENSTNIG0000009160
ENSTNIG0000009422	ENSTNIP00000012292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CVK8]	ENSTNIG0000009422
ENSTNIG0000009760	ENSTNIP00000012647	Chromosome 3 SCAF14593, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SGN1]	ENSTNIG0000009760
ENSTNIG0000009813	ENSTNIP00000012701	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CWR7]	ENSTNIG0000009813
ENSTNIG0000009932	ENSTNIP00000012824	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CX39]	ENSTNIG0000009932
ENSTNIG0000009954	ENSTNIP00000012847	Chromosome 7 SCAF14601, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SFW6]	ENSTNIG0000009954
ENSTNIG00000010155	ENSTNIP00000013053	Chromosome undetermined SCAF14608, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SF58]	ENSTNIG00000010155
ENSTNIG00000010294	ENSTNIP00000013197	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CY62]	ENSTNIG00000010294
ENSTNIG00000010455	ENSTNIP00000013364	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYM9]	ENSTNIG00000010455
ENSTNIG00000010491	ENSTNIP00000013400	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYR5]	ENSTNIG00000010491
ENSTNIG00000010566	ENSTNIP00000013478	Chromosome 18 SCAF14637, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SDK4]	ENSTNIG00000010566
ENSTNIG00000010567	ENSTNIP00000013479	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYZ4]	ENSTNIG00000010567
ENSTNIG00000010740	ENSTNIP00000013660	Chromosome 14 SCAF14646, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SCX2]	ENSTNIG00000010740
ENSTNIG00000010799	ENSTNIP00000013724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CZN8]	ENSTNIG00000010799
ENSTNIG00000010833	ENSTNIP00000013763	Chromosome undetermined SCAF14653, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SCI5]	ENSTNIG00000010833
ENSTNIG00000010940	ENSTNIP00000013870	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D034]	ENSTNIG00000010940
ENSTNIG00000011040	ENSTNIP00000013975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0D9]	ENSTNIG00000011040
ENSTNIG00000011054	ENSTNIP00000013990	Chromosome 15 SCAF14667, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SBN6]	ENSTNIG00000011054
ENSTNIG00000011059	ENSTNIP00000013995	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0F9]	ENSTNIG00000011059
ENSTNIG00000011173	ENSTNIP00000014108	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0S2]	ENSTNIG00000011173
ENSTNIG00000011246	ENSTNIP00000014185	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SAY6]	ENSTNIG00000011246
ENSTNIG00000011642	ENSTNIP00000014594	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D256]	ENSTNIG00000011642
ENSTNIG00000011730	ENSTNIP00000014681	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D2E3]	ENSTNIG00000011730
ENSTNIG00000011885	ENSTNIP00000014843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D2V5]	ENSTNIG00000011885
ENSTNIG00000011913	ENSTNIP00000014872	Chromosome undetermined SCAF14706, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S8C7]	ENSTNIG00000011913
ENSTNIG00000012292	ENSTNIP00000015260	Chromosome 14 SCAF14723, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S6V1]	ENSTNIG00000012292
ENSTNIG00000012344	ENSTNIP00000015312	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D474]	ENSTNIG00000012344
ENSTNIG00000012532	ENSTNIP00000015501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D4R2]	ENSTNIG00000012532
ENSTNIG00000012598	ENSTNIP00000015569	Chromosome 9 SCAF14729, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S5L8]	ENSTNIG00000012598
ENSTNIG00000012882	ENSTNIP00000015858	Chromosome 2 SCAF14738, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S4I7]	ENSTNIG00000012882
ENSTNIG00000012917	ENSTNIP00000015897	novel gene	ENSTNIG00000012917
ENSTNIG00000012920	ENSTNIP00000015900	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D5W0]	ENSTNIG00000012920
ENSTNIG00000013109	ENSTNIP00000016090	novel gene	ENSTNIG00000013109
ENSTNIG00000013142	ENSTNIP00000016124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D6I4]	ENSTNIG00000013142
ENSTNIG00000013234	ENSTNIP00000016217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D6S6]	ENSTNIG00000013234
ENSTNIG00000013300	ENSTNIP00000016290	Chromosome 8 SCAF14759, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S2X2]	ENSTNIG00000013300
ENSTNIG00000013684	ENSTNIP00000016684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D843]	ENSTNIG00000013684
ENSTNIG00000013724	ENSTNIP00000016725	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D884]	ENSTNIG00000013724
ENSTNIG00000013893	ENSTNIP00000016898	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S0L5]	ENSTNIG00000013893
ENSTNIG00000013895	ENSTNIP00000016900	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S0L3]	ENSTNIG00000013895
ENSTNIG00000013922	ENSTNIP00000016927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D8T6]	ENSTNIG00000013922
ENSTNIG00000014047	ENSTNIP00000017054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D963]	ENSTNIG00000014047
ENSTNIG00000014231	ENSTNIP00000017245	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D9Q4]	ENSTNIG00000014231
ENSTNIG00000014457	ENSTNIP00000017476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DAD5]	ENSTNIG00000014457
ENSTNIG00000014793	ENSTNIP00000017831	Chromosome 11 SCAF14979, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RX47]	ENSTNIG00000014793
ENSTNIG00000014830	ENSTNIP00000017871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBH9]	ENSTNIG00000014830
ENSTNIG00000014897	ENSTNIP00000017941	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBP8]	ENSTNIG00000014897
ENSTNIG00000015206	ENSTNIP00000018263	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DCM0]	ENSTNIG00000015206
ENSTNIG00000015361	ENSTNIP00000018425	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD32]	ENSTNIG00000015361
ENSTNIG00000015375	ENSTNIP00000018439	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD46]	ENSTNIG00000015375
ENSTNIG00000015376	ENSTNIP00000018440	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWE6]	ENSTNIG00000015376
ENSTNIG00000015428	ENSTNIP00000018497	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUP8]	ENSTNIG00000015428
ENSTNIG0000000298	ENSTNIP00000018516	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DDC3]	ENSTNIG0000000298
ENSTNIG00000015484	ENSTNIP00000018554	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DDG1]	ENSTNIG00000015484

ENSTNIG00000015712	ENSTNIP00000018787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DE44]	ENSTNIG00000015712
ENSTNIG00000015722	ENSTNIP00000018797	Chromosome 1 SCAF14998, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RTI4]	ENSTNIG00000015722
ENSTNIG00000015963	ENSTNIP00000019051	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEV7]	ENSTNIG00000015963
ENSTNIG00000015987	ENSTNIP00000019076	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEY2]	ENSTNIG00000015987
ENSTNIG00000015996	ENSTNIP00000019085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEZ1]	ENSTNIG00000015996
ENSTNIG00000016177	ENSTNIP00000019268	Chromosome 16 SCAF15002, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RR33]	ENSTNIG00000016177
ENSTNIG00000016246	ENSTNIP00000019339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DFP5]	ENSTNIG00000016246
ENSTNIG00000016307	ENSTNIP00000019401	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DFV7]	ENSTNIG00000016307
ENSTNIG00000016787	ENSTNIP00000019901	novel gene	ENSTNIG00000016787
ENSTNIG00000016868	ENSTNIP00000019981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHI7]	ENSTNIG00000016868
ENSTNIG00000017015	ENSTNIP00000020141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHZ7]	ENSTNIG00000017015
ENSTNIG00000017047	ENSTNIP00000020175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DI31]	ENSTNIG00000017047
ENSTNIG00000017170	ENSTNIP00000020307	Chromosome 3 SCAF15018, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RMU0]	ENSTNIG00000017170
ENSTNIG00000017637	ENSTNIP00000020785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DJT9] Chromosome 18 SCAF15027, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RKM3]	ENSTNIG00000017637
ENSTNIG00000017724	ENSTNIP00000020874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKS1]	ENSTNIG00000017724
ENSTNIG00000017956	ENSTNIP00000021118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKV2]	ENSTNIG00000017956
ENSTNIG00000017986	ENSTNIP00000021150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DLB8]	ENSTNIG00000017986
ENSTNIG00000018150	ENSTNIP00000021316	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DM75]	ENSTNIG00000018150
ENSTNIG00000018450	ENSTNIP00000021623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RHU0]	ENSTNIG00000018450
ENSTNIG00000018458	ENSTNIP00000021632	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RHO0]	ENSTNIG00000018458
ENSTNIG00000018510	ENSTNIP00000021684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RH08] Chromosome undetermined SCAF15077, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RGV8]	ENSTNIG00000018510
ENSTNIG00000018676	ENSTNIP00000021853	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNE7]	ENSTNIG00000018676
ENSTNIG00000018711	ENSTNIP00000021890	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNR7]	ENSTNIG00000018711
ENSTNIG00000018861	ENSTNIP00000022046	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DP94]	ENSTNIG00000018861
ENSTNIG00000018978	ENSTNIP00000022166	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RET8]	ENSTNIG00000018978
ENSTNIG00000019146	ENSTNIP00000022343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DPJ3] Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ34] Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ35] Chromosome undetermined SCAF17131, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RD86]	ENSTNIG00000019146
ENSTNIG00000019233	ENSTNIP00000022433	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQF4]	ENSTNIG00000019233
ENSTNIG00000019242	ENSTNIP00000022442	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQG1]	ENSTNIG00000019242
ENSTNIG00000019426	ENSTNIP00000022633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQI5]	ENSTNIG00000019426
ENSTNIG00000019427	ENSTNIP00000022634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQX8]	ENSTNIG00000019427
ENSTNIG00000019442	ENSTNIP00000022655	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQY6]	ENSTNIG00000019442
ENSTNIG00000019528	ENSTNIP00000022753	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C152]	ENSTNIG00000019528
ENSTNIG00000019534	ENSTNIP00000022760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR18]	ENSTNIG00000019534
ENSTNIG00000019554	ENSTNIP00000022784	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR76]	ENSTNIG00000019554
ENSTNIG00000019682	ENSTNIP00000022927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR80]	ENSTNIG00000019682
ENSTNIG00000019690	ENSTNIP00000022935	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRC7]	ENSTNIG00000019690
ENSTNIG00000019717	ENSTNIP00000022963	Chromosome undetermined SCAF25572, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4R9Q4]	ENSTNIG00000019717
ENSTNIG00000019721	ENSTNIP00000022967	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRQ4]	ENSTNIG00000019721
ENSTNIG00000019764	ENSTNIP00000023025	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRQ4]	ENSTNIG00000019764
ENSTNIG00000019768	ENSTNIP00000023029	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRQ4]	ENSTNIG00000019768
ENSTNIG00000019812	ENSTNIP00000023077	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRQ4]	ENSTNIG00000019812
ENSTNIG00000019839	ENSTNIP00000023108	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRQ4]	ENSTNIG00000019839

Supplemental table 43. Tilapia specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSONIG00000012426	ENSONIP00000015652	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSONIG00000013804	ENSONIP00000017359	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSONIG00000004418	ENSONIP00000005564	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSONIG00000003590	ENSONIP00000004516	Agouti signaling peptide 2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J6M6]	ASIP2
ENSONIG000000021043	ENSONIP00000026346	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSONIG00000018487	ENSONIP00000023275	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C10orf53
ENSONIG00000018848	ENSONIP00000023733	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C16orf13
ENSONIG00000012632	ENSONIP00000015899	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C18orf54
ENSONIG00000014427	ENSONIP00000018138	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C1orf159
ENSONIG00000004431	ENSONIP00000005577	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Acc:HGNC:16216]	C20orf85
ENSONIG00000010825	ENSONIP00000013611	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5orf34
ENSONIG00000000739	ENSONIP00000000932	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C6orf58
ENSONIG00000018663	ENSONIP00000023493	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C7orf26
ENSONIG00000018186	ENSONIP00000022909	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C7orf62
ENSONIG00000006211	ENSONIP00000007825	coiled-coil domain containing 153 [Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSONIG00000012621	ENSONIP00000015884	coiled-coil domain containing 169 [Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSONIG00000002689	ENSONIP00000003368	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSONIG00000020376	ENSONIP00000025678	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSONIG00000001133	ENSONIP00000001435	centrosomal protein 128 [Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSONIG00000004267	ENSONIP00000005372	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSONIG00000014458	ENSONIP00000018178	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSONIG00000015496	ENSONIP00000019498	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSONIG00000010128	ENSONIP00000012735	disrupted in schizophrenia 1 [Source:ZFIN;Acc:ZDB-GENE-090122-1]	disc1
ENSONIG00000007426	ENSONIP00000009357	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSONIG00000015083	ENSONIP00000018984	elaC homolog 1 (E. coli) [Source:ZFIN;Acc:ZDB-GENE-040801-246]	elac1
ENSONIG00000014372	ENSONIP00000018070	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENK1
ENSONIG00000014245	ENSONIP00000017907	epiregulin [Source:HGNC Symbol;Acc:HGNC:3443]	EREG
ENSONIG00000005321	ENSONIP00000006692	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSONIG00000015144	ENSONIP00000019060	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSONIG00000004826	ENSONIP00000006074	F-box protein 39 [Source:HGNC Symbol;Acc:HGNC:28565]	FBX039
ENSONIG00000002127	ENSONIP00000002651	ferric-chelate reductase 1 [Source:HGNC Symbol;Acc:HGNC:27622]	FRRS1
ENSONIG0000001085	ENSONIP00000001376	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSONIG00000011023	ENSONIP00000013869	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JYC4]	GNRH1
ENSONIG00000016976	ENSONIP000000021408	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSONIG00000012251	ENSONIP00000015428	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSONIG00000002764	ENSONIP00000003468	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	igflr1
ENSONIG00000006056	ENSONIP00000007628	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSONIG00000001118	ENSONIP00000001415	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSONIG00000000175	ENSONIP000000000225	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSONIG00000014646	ENSONIP00000018440	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSONIG00000012308	ENSONIP00000015500	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSONIG00000013262	ENSONIP00000016677	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGNC:28562]	LRRC43
ENSONIG00000008207	ENSONIP00000010332	MAP7 domain containing 2b [Source:ZFIN;Acc:ZDB-GENE-091118-82]	map7d2b
ENSONIG00000007299	ENSONIP00000009207	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSONIG00000005081	ENSONIP00000006390	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils [Source:ZFIN;Acc:ZDB-GENE-121023-2]	msantd4
ENSONIG00000011707	ENSONIP00000014743	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSONIG00000002537	ENSONIP00000003177	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmbb
ENSONIG00000004585	ENSONIP000000005776	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSONIG00000016258	ENSONIP000000020468	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsmce1
ENSONIG00000008926	ENSONIP00000011218	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSONIG00000014550	ENSONIP00000018310	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSONIG00000002749	ENSONIP00000003444	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSONIG00000002218	ENSONIP00000002769	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSONIG00000005700	ENSONIP00000007182	RCSD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28310]	RCS1
ENSONIG00000006864	ENSONIP00000008662	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HGNC:24499]	RG522
ENSONIG00000020842	ENSONIP00000026146	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnaseL4
ENSONIG00000019140	ENSONIP000000024090	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rpp30
ENSONIG00000006820	ENSONIP00000008606	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfdc1
ENSONIG00000019599	ENSONIP00000024674	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	sap30bp
ENSONIG00000005235	ENSONIP00000006576	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSONIG00000001564	ENSONIP00000001957	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSONIG00000005136	ENSONIP00000006455	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSONIG00000005185	ENSONIP00000006514	si:ch211-132b12.7 [Source:ZFIN;Acc:ZDB-GENE-050419-250]	si:ch211-132b12.7
ENSONIG00000011433	ENSONIP00000014388	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSONIG00000005771	ENSONIP00000007271	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSONIG00000016693	ENSONIP000000021030	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6
ENSONIG00000006050	ENSONIP00000007619	si:ch211-221i3.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-221i3.2
ENSONIG00000014090	ENSONIP00000017710	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSONIG00000000643	ENSONIP00000000815	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSONIG00000019470	ENSONIP00000024510	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSONIG00000012250	ENSONIP00000015427	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSONIG00000014907	ENSONIP00000018767	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSONIG000000020403	ENSONIP00000025708	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSONIG00000005807	ENSONIP00000007312	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSONIG00000002922	ENSONIP00000003660	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSONIG00000017164	ENSONIP00000021645	spermatogenesis associated 17 [Source:ZFIN;Acc:ZDB-GENE-111214-1]	spata17

ENSONIG00000012765	ENSONIP00000016070	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSONIG00000011291	ENSONIP00000014212	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSONIG00000003942	ENSONIP00000004969	Putative TBT binding protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J7X9]	TBTBP
ENSONIG00000013826	ENSONIP00000017385	testis expressed 43 [Source:HGNC Symbol;Acc:HGNC:33767]	TEX43
ENSONIG00000005330	ENSONIP00000006704	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSONIG00000020399	ENSONIP00000025704	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSONIG00000017472	ENSONIP00000022033	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129
ENSONIG00000019821	ENSONIP00000024950	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSONIG00000000420	ENSONIP00000000534	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSONIG00000016156	ENSONIP00000020349	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSONIG00000012346	ENSONIP00000015552	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSONIG00000015988	ENSONIP00000020137	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSONIG00000003932	ENSONIP00000004955	transmembrane protein 51b [Source:ZFIN;Acc:ZDB-GENE-030131-5373]	tmem51b
ENSONIG00000009587	ENSONIP00000012047	transmembrane protein 72 [Source:ZFIN;Acc:ZDB-GENE-090313-175]	tmem72
ENSONIG00000010480	ENSONIP00000013174	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSONIG00000009824	ENSONIP00000012345	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tp53rk
ENSONIG00000001370	ENSONIP00000001728	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSONIG00000002557	ENSONIP00000003202	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSONIG00000002602	ENSONIP00000003260	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSONIG00000001995	ENSONIP00000002497	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSONIG00000000826	ENSONIP00000001051	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSONIG000000008215	ENSONIP00000010342	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSONIG000000011326	ENSONIP00000014255	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSONIG00000000040	ENSONIP00000000049	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13ITW0]	ENSONIG00000000040
ENSONIG000000000044	ENSONIP000000000053	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13ITW4]	ENSONIG00000000044
ENSONIG000000000045	ENSONIP000000000054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13ITW5]	ENSONIG00000000045
ENSONIG000000000230	ENSONIP00000000295	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IUK5]	ENSONIG00000000230
ENSONIG000000000508	ENSONIP00000000648	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IUK8]	ENSONIG00000000508
ENSONIG000000000639	ENSONIP00000000811	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IW21]	ENSONIG00000000639
ENSONIG000000000670	ENSONIP00000000848	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IW58]	ENSONIG00000000670
ENSONIG000000000838	ENSONIP00000001064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13I234]	ENSONIG00000000838
ENSONIG000000000930	ENSONIP00000001174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IX34]	ENSONIG00000000930
ENSONIG00000001004	ENSONIP00000001272	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IXD2]	ENSONIG00000001004
ENSONIG00000001496	ENSONIP00000001874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IZ34]	ENSONIG00000001496
ENSONIG00000001527	ENSONIP00000001909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IZ69]	ENSONIG00000001527
ENSONIG00000001533	ENSONIP00000001918	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IZ78]	ENSONIG00000001533
ENSONIG00000001707	ENSONIP00000002136	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13IZU6]	ENSONIG00000001707
ENSONIG00000001935	ENSONIP00000002424	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JON4]	ENSONIG00000001935
ENSONIG00000001937	ENSONIP00000002426	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JON6]	ENSONIG00000001937
ENSONIG00000001938	ENSONIP00000002427	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JON7]	ENSONIG00000001938
ENSONIG00000001940	ENSONIP00000002429	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JON9]	ENSONIG00000001940
ENSONIG00000001941	ENSONIP00000002430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JOP0]	ENSONIG00000001941
ENSONIG00000001942	ENSONIP00000002431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JOP1]	ENSONIG00000001942
ENSONIG00000002016	ENSONIP00000002523	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JOY3]	ENSONIG00000002016
ENSONIG00000002208	ENSONIP00000002752	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J1L2]	ENSONIG00000002208
ENSONIG00000002376	ENSONIP00000002969	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J279]	ENSONIG00000002376
ENSONIG00000002674	ENSONIP00000003349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J3A9]	ENSONIG00000002674
ENSONIG00000003201	ENSONIP00000004015	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J575]	ENSONIG00000003201
ENSONIG00000003348	ENSONIP00000004214	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J554]	ENSONIG00000003348
ENSONIG00000003384	ENSONIP00000004262	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J527]	ENSONIG00000003384
ENSONIG00000003439	ENSONIP00000004329	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J639]	ENSONIG00000003439
ENSONIG00000003448	ENSONIP00000004341	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J651]	ENSONIG00000003448
ENSONIG00000003557	ENSONIP00000004477	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J6I7]	ENSONIG00000003557
ENSONIG00000003715	ENSONIP00000004672	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J732]	ENSONIG00000003715
ENSONIG00000003848	ENSONIP00000004848	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J7K8]	ENSONIG00000003848
ENSONIG00000003850	ENSONIP00000004850	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J7L0]	ENSONIG00000003850
ENSONIG00000003974	ENSONIP00000005006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J816]	ENSONIG00000003974
ENSONIG00000004048	ENSONIP00000005102	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13J8B1]	ENSONIG00000004048
ENSONIG00000004616	ENSONIP00000005812	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAC2]	ENSONIG00000004616
ENSONIG00000004679	ENSONIP00000005891	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAK1]	ENSONIG00000004679
ENSONIG00000004731	ENSONIP00000005958	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAR8]	ENSONIG00000004731
ENSONIG00000004791	ENSONIP00000006033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JAZ3]	ENSONIG00000004791
ENSONIG00000004952	ENSONIP00000006229	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JBI9]	ENSONIG00000004952
ENSONIG00000005022	ENSONIP00000006317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JBS7]	ENSONIG00000005022
ENSONIG00000005071	ENSONIP00000006376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JB66]	ENSONIG00000005071
ENSONIG00000005100	ENSONIP00000006410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JC20]	ENSONIG00000005100
ENSONIG00000006243	ENSONIP00000007866	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JG75]	ENSONIG00000006243
ENSONIG00000006260	ENSONIP00000007887	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JG96]	ENSONIG00000006260
ENSONIG00000006387	ENSONIP00000008050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JGQ9]	ENSONIG00000006387
ENSONIG00000006412	ENSONIP00000008084	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JGU3]	ENSONIG00000006412
ENSONIG00000006696	ENSONIP00000008457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JHW3]	ENSONIG00000006696
ENSONIG00000006701	ENSONIP00000008463	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JHW9]	ENSONIG00000006701
ENSONIG00000006897	ENSONIP00000008702	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JIK8]	ENSONIG00000006897
ENSONIG00000007121	ENSONIP00000008983	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JJD9]	ENSONIG00000007121
ENSONIG00000007122	ENSONIP00000008984	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JJE0]	ENSONIG00000007122
ENSONIG00000007361	ENSONIP00000009288	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JK94]	ENSONIG00000007361
ENSONIG00000007390	ENSONIP00000009318	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JKC4]	ENSONIG00000007390
ENSONIG00000007400	ENSONIP00000009331	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JKD7]	ENSONIG00000007400
ENSONIG00000007420	ENSONIP00000009352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13JKF8]	ENSONIG00000007420

ENSONIG00000007589	ENSONIP00000009568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JL24]	ENSONIG00000007589
ENSONIG00000007689	ENSONIP00000009691	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JLE7]	ENSONIG00000007689
ENSONIG00000007746	ENSONIP00000009761	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JLL7]	ENSONIG00000007746
ENSONIG00000007865	ENSONIP00000009915	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JM21]	ENSONIG00000007865
ENSONIG00000007907	ENSONIP00000009965	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JM71]	ENSONIG00000007907
ENSONIG00000007932	ENSONIP00000009994	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JMA0]	ENSONIG00000007932
ENSONIG00000008023	ENSONIP00000010104	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JML0]	ENSONIG00000008023
ENSONIG00000008034	ENSONIP00000010118	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JMM4]	ENSONIG00000008034
ENSONIG00000008171	ENSONIP00000010286	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JN42]	ENSONIG00000008171
ENSONIG00000008587	ENSONIP00000010795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JPK1]	ENSONIG00000008587
ENSONIG00000008741	ENSONIP00000010990	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JQ46]	ENSONIG00000008741
ENSONIG00000008784	ENSONIP00000011042	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JQ98]	ENSONIG00000008784
ENSONIG00000009390	ENSONIP00000011799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JSF4]	ENSONIG00000009390
ENSONIG00000009453	ENSONIP00000011879	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JSN4]	ENSONIG00000009453
ENSONIG00000009580	ENSONIP00000012039	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JT44]	ENSONIG00000009580
ENSONIG00000009612	ENSONIP00000012077	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JT82]	ENSONIG00000009612
ENSONIG00000009618	ENSONIP00000012083	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JT88]	ENSONIG00000009618
ENSONIG00000010257	ENSONIP00000012899	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JVK4]	ENSONIG00000010257
ENSONIG00000010447	ENSONIP00000013131	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JW86]	ENSONIG00000010447
ENSONIG00000010503	ENSONIP00000013202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JWF7]	ENSONIG00000010503
ENSONIG00000010815	ENSONIP00000013597	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JXK2]	ENSONIG00000010815
ENSONIG00000010877	ENSONIP00000013685	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JXU0]	ENSONIG00000010877
ENSONIG00000010892	ENSONIP00000013707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JXW2]	ENSONIG00000010892
ENSONIG00000010964	ENSONIP00000013795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JY50]	ENSONIG00000010964
ENSONIG00000011033	ENSONIP00000013880	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JYD5]	ENSONIG00000011033
ENSONIG00000011390	ENSONIP00000014336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13JZP1]	ENSONIG00000011390
ENSONIG00000011432	ENSONIP00000014387	novel gene		ENSONIG00000011432
ENSONIG00000011670	ENSONIP00000014694	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K0P9]	ENSONIG00000011670
ENSONIG00000011826	ENSONIP00000014888	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K193]	ENSONIG00000011826
ENSONIG00000011837	ENSONIP00000014904	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K1A9]	ENSONIG00000011837
ENSONIG00000012022	ENSONIP00000015132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K1Y7]	ENSONIG00000012022
ENSONIG00000012085	ENSONIP00000015212	novel gene		ENSONIG00000012085
ENSONIG00000012219	ENSONIP00000015390	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K2P5]	ENSONIG00000012219
ENSONIG00000012249	ENSONIP00000015426	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K2T1]	ENSONIG00000012249
ENSONIG00000012526	ENSONIP00000015768	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3S3]	ENSONIG00000012526
ENSONIG00000012548	ENSONIP00000015798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3V3]	ENSONIG00000012548
ENSONIG00000012885	ENSONIP00000016216	novel gene		ENSONIG00000012885
ENSONIG00000013199	ENSONIP00000016599	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K654]	ENSONIG00000013199
ENSONIG00000013218	ENSONIP00000016624	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K679]	ENSONIG00000013218
ENSONIG00000013284	ENSONIP00000016708	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K6G3]	ENSONIG00000013284
ENSONIG00000013340	ENSONIP00000016774	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K6M9]	ENSONIG00000013340
ENSONIG00000013489	ENSONIP00000016962	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K767]	ENSONIG00000013489
ENSONIG00000013647	ENSONIP00000017164	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K7R9]	ENSONIG00000013647
ENSONIG00000013687	ENSONIP00000017225	novel gene		ENSONIG00000013687
ENSONIG00000013977	ENSONIP00000017568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K8X3]	ENSONIG00000013977
ENSONIG00000014446	ENSONIP00000018164	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KAL9]	ENSONIG00000014446
ENSONIG00000014512	ENSONIP00000018258	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KAW3]	ENSONIG00000014512
ENSONIG00000014543	ENSONIP00000018301	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB06]	ENSONIG00000014543
ENSONIG00000014548	ENSONIP00000018308	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB13]	ENSONIG00000014548
ENSONIG00000014552	ENSONIP00000018312	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB17]	ENSONIG00000014552
ENSONIG00000014555	ENSONIP00000018315	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB20]	ENSONIG00000014555
ENSONIG00000014556	ENSONIP00000018316	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB21]	ENSONIG00000014556
ENSONIG00000014662	ENSONIP00000018460	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KBG5]	ENSONIG00000014662
ENSONIG00000014741	ENSONIP00000018560	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KBR5]	ENSONIG00000014741
ENSONIG00000014883	ENSONIP00000018733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KC88]	ENSONIG00000014883
ENSONIG00000014928	ENSONIP00000018793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KCE8]	ENSONIG00000014928
ENSONIG00000015068	ENSONIP00000018967	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KCX2]	ENSONIG00000015068
ENSONIG00000015286	ENSONIP00000019234	novel gene		ENSONIG00000015286
ENSONIG00000015306	ENSONIP00000019261	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDR6]	ENSONIG00000015306
ENSONIG00000015329	ENSONIP00000019287	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDU2]	ENSONIG00000015329
ENSONIG00000015356	ENSONIP00000019319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDX4]	ENSONIG00000015356
ENSONIG00000015364	ENSONIP00000019329	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDY4]	ENSONIG00000015364
ENSONIG00000015487	ENSONIP00000019489	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KEE4]	ENSONIG00000015487
ENSONIG00000015491	ENSONIP00000019493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KEE8]	ENSONIG00000015491
ENSONIG00000015590	ENSONIP00000019616	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KES1]	ENSONIG00000015590
ENSONIG00000015617	ENSONIP00000019652	novel gene		ENSONIG00000015617
ENSONIG00000015998	ENSONIP00000020151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KGA5]	ENSONIG00000015998
ENSONIG00000016105	ENSONIP00000020288	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KGP3]	ENSONIG00000016105
ENSONIG00000016356	ENSONIP00000020595	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KHK0]	ENSONIG00000016356
ENSONIG00000016588	ENSONIP00000020890	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KIE5]	ENSONIG00000016588
ENSONIG00000016696	ENSONIP00000021034	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KIT9]	ENSONIG00000016696
ENSONIG00000016869	ENSONIP00000021263	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KJG8]	ENSONIG00000016869
ENSONIG00000016986	ENSONIP00000021419	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KJX4]	ENSONIG00000016986
ENSONIG00000017039	ENSONIP00000021489	novel gene		ENSONIG00000017039
ENSONIG00000017114	ENSONIP00000021581	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KKD6]	ENSONIG00000017114
ENSONIG00000017495	ENSONIP00000022063	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KLR8]	ENSONIG00000017495
ENSONIG00000017551	ENSONIP00000022132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KLY7]	ENSONIG00000017551
ENSONIG00000017684	ENSONIP00000022297	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMF2]	ENSONIG00000017684
ENSONIG00000017761	ENSONIP00000022391	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMP6]	ENSONIG00000017761

ENSONIG00000021266	ENSONIP00000026568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3KZM1]	ENSONIG00000021266
ENSONIG00000021278	ENSONIP00000026580	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3KZN3]	ENSONIG00000021278
ENSONIG00000021301	ENSONIP00000026603	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3KZQ6]	ENSONIG00000021301
ENSONIG00000021357	ENSONIP00000026659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3KZW2]	ENSONIG00000021357
ENSONIG00000021367	ENSONIP00000026669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3KZX2]	ENSONIG00000021367
ENSONIG00000021391	ENSONIP00000026693	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3KZZ6]	ENSONIG00000021391
ENSONIG00000021416	ENSONIP00000026718	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3L021]	ENSONIG00000021416
ENSONIG00000021433	ENSONIP00000026735	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3L038]	ENSONIG00000021433
ENSONIG00000021446	ENSONIP00000026748	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3L051]	ENSONIG00000021446
ENSONIG00000021461	ENSONIP00000026763	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3L066]	ENSONIG00000021461
ENSONIG00000021462	ENSONIP00000026764	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:I3L067]	ENSONIG00000021462

Supplemental table 44. Zebrafish specific genes compared to catfish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000054290	ENSDARP00000121592	apoptotic chromatin condensation inducer 1a [Source:ZFIN;Acc:ZDB-GENE-030616-583]	acin1a
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q192]	AL928887.2
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000092473	ENSDARP00000122568	apoptogenic 1, mitochondrial [Source:ZFIN;Acc:ZDB-GENE-090313-66]	apopt1
ENSDARG00000062258	ENSDARP00000115627	armadillo repeat containing 8 [Source:ZFIN;Acc:ZDB-GENE-061027-88]	armc8
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSDARG00000088414	ENSDARP00000108895	arginyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-070410-12]	ate1
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000077344	ENSDARP00000098783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBB1]	BX000700.1
ENSDARG00000094152	ENSDARP00000115346	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QGQ8]	BX000700.3
ENSDARG00000094987	ENSDARP00000118303	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QJ8]	BX000700.5
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000094167	ENSDARP00000119023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QBV6]	BX005361.1
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7F964]	BX085193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000086942	ENSDARP00000102867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJF3]	BX247865.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000094113	ENSDARP00000113253	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QG16]	BX324177.3
ENSDARG00000094335	ENSDARP00000121719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QE24]	BX324177.4
ENSDARG00000095364	ENSDARP00000122166	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9QG16]	BX324177.5
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB66]	BX465187.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG0000005423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	BX601644.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000055941	ENSDARP00000076259	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FBNO]	BX936450.1
ENSDARG00000094037	ENSDARP00000120551	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:HGNC:16227]	C11H20orf96
ENSDARG00000053520	ENSDARP00000063437	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:22402]	C12H7orf62
ENSDARG00000069363	ENSDARP00000091650	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:27421]	C13H10orf53
ENSDARG00000097784	ENSDARP00000127804	chromosome 6 open reading frame 183 [Source:HGNC Symbol;Acc:HGNC:21562]	C17H6orf183
ENSDARG00000037652	ENSDARP00000054842	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:21702]	C1H7orf26
ENSDARG00000039491	ENSDARP00000057697	chromosome 20 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:15872]	C20H20orf26
ENSDARG00000095802	ENSDARP00000123731	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34383]	C20H2orf71
ENSDARG00000090722	ENSDARP00000064418	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc:HGNC:20960]	C20H6orf58
ENSDARG00000027461	ENSDARP00000038472	chromosome 16 open reading frame 13 [Source:HGNC Symbol;Acc:HGNC:14141]	C3H16orf13
ENSDARG00000059636	ENSDARP00000077509	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc:HGNC:26056]	C5H2orf42
ENSDARG00000092445	ENSDARP00000113437	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:HGNC:24738]	C5H5orf34
ENSDARG00000086336	ENSDARP00000128695	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Acc:HGNC:26062]	C6H1orf159
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY77]	CABZ01002339.1
ENSDARG00000077668	ENSDARP00000104038	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3L1]	CABZ01010103.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R051]	CABZ01056821.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1

ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CABZ01058371.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA16]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E267]	CABZ01060296.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1		CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY6P]	CABZ01063534.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY73]	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD5]	CABZ01071911.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1		CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB85]	CABZ01074944.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GQ1]	CABZ01075684.2
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QE8N]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYX7]	CABZ01079804.2
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FYG6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE55]	CABZ01083815.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000090436	ENSDARP00000102633	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F373]	CABZ01085858.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000091553	ENSDARP00000110717	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ49]	CABZ01088718.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000074198	ENSDARP00000102960	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F0D7]	CABZ01102516.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000090225	ENSDARP00000099607	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3J8]	CABZ01111454.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1		CABZ01115256.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000086391	ENSDARP00000111675	caldesmon 1	[Source:ZFIN;Acc:ZDB-GENE-090313-229]	cald1
ENSDARG00000019950	ENSDARP00000118967	calcium responsive transcription factor	[Source:ZFIN;Acc:ZDB-GENE-070912-172]	carf
ENSDARG00000077161	ENSDARP00000103065	coiled-coil domain containing 153	[Source:ZFIN;Acc:ZDB-GENE-080204-16]	ccdc153
ENSDARG00000089570	ENSDARP00000122848	coiled-coil domain containing 169	[Source:ZFIN;Acc:ZDB-GENE-091204-29]	ccdc169
ENSDARG00000045683	ENSDARP00000067164	coiled-coil domain containing 87	[Source:ZFIN;Acc:ZDB-GENE-041210-118]	ccdc87
ENSDARG00000079333	ENSDARP00000098917	CD40 ligand	[Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSDARG00000044797	ENSDARP00000065841	CD8 antigen, alpha polypeptide	[Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSDARG00000094388	ENSDARP00000119071	celsr2		celsr2
ENSDARG00000062898	ENSDARP00000085882	centrosomal protein 128	[Source:ZFIN;Acc:ZDB-GENE-070410-34]	cep128
ENSDARG00000016290	ENSDARP00000047530	chloride channel accessory 1	[Source:ZFIN;Acc:ZDB-GENE-030131-6221]	cica1
ENSDARG00000091489	ENSDARP00000106270	cyclic nucleotide binding domain containing 1	[Source:HGNC Symbol;Acc:HGNC:26663]	CNB1
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1		CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000088299	ENSDARP00000105942	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3G0]	CR388002.2
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ9]	CR450808.2
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ54]	CR548627.1
ENSDARG00000088329	ENSDARP00000107872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R9D5]	CR556710.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1		CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1

ENSDARG00000094327	ENSDARP00000112640	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R6D6]	CR848761.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FN8]	CR932358.2
ENSDARG00000091768	ENSDARP00000111198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F457]	CR932360.4
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	creb12
ENSDARG00000067795	ENSDARP00000088418	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSDARG00000024831	ENSDARP00000037928	corticotropin releasing hormone binding protein [Source:ZFIN;Acc:ZDB-GENE-040801-196]	crhbp
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FM3]	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE4]	CT583700.1
ENSDARG00000092698	ENSDARP00000120265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ9]	CT737209.2
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000070602	ENSDARP00000094628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXR7]	CU457778.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC10000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000087899	ENSDARP00000108375	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYQ2]	CU694219.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.2
ENSDARG00000089136	ENSDARP00000111338	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1Y4]	CU984580.4
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000041140	ENSDARP00000091438	damage-specific DNA binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-050419-169]	ddb2
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicp1.1
ENSDARG00000041134	ENSDARP00000060295	dynein, axonemal, assembly factor 2 [Source:ZFIN;Acc:ZDB-GENE-050809-128]	dnaaf2
ENSDARG00000087158	ENSDARP00000110946	DnaJ (Hsp40) homolog, subfamily C, member 13 [Source:HGNC Symbol;Acc:HGNC:30343]	DNAJC13
ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000043550	ENSDARP00000063936	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25246]	ENK01
ENSDARG00000078983	ENSDARP00000100382	family with sequence similarity 118, member B [Source:ZFIN;Acc:ZDB-GENE-060810-6]	fam118b
ENSDARG00000061215	ENSDARP00000106085	family with sequence similarity 149, member B1 [Source:ZFIN;Acc:ZDB-GENE-070112-2102]	fam149b1
ENSDARG00000068709	ENSDARP00000123345	family with sequence similarity 174, member B [Source:ZFIN;Acc:ZDB-GENE-050419-78]	fam174b
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E273]	FP016176.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000090139	ENSDARP00000109382	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7E243]	FP245472.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000086731	ENSDARP00000109943	folliculin-like 4 [Source:HGNC Symbol;Acc:HGNC:21389]	FSTL4
ENSDARG00000095094	ENSDARP00000120484	FXYD domain containing ion transport regulator 6 [Source:ZFIN;Acc:ZDB-GENE-030131-5919]	fxyd6
ENSDARG00000076526	ENSDARP00000101401	GAR1 ribonucleoprotein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-893]	gar1
ENSDARG00000071306	ENSDARP00000096124	gastric inhibitory polypeptide [Source:ZFIN;Acc:ZDB-GENE-070720-10]	gip
ENSDARG00000056214	ENSDARP00000073133	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSDARG00000090051	ENSDARP00000110502	G protein-coupled receptor, class C, group 5, member A [Source:HGNC Symbol;Acc:HGNC:9836]	GPRC5A
ENSDARG00000043074	ENSDARP00000063243	gastrin-releasing peptide [Source:ZFIN;Acc:ZDB-GENE-060526-117]	grp
ENSDARG00000088132	ENSDARP00000105546	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26013]	HEATR2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000091650	ENSDARP00000111941	IGF-like family receptor 1 [Source:ZFIN;Acc:ZDB-GENE-121211-3]	ifngr1
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5

ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000041180	ENSDARP00000060361	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000089930	ENSDARP00000111024	IQ motif containing E [Source:ZFIN;Acc:ZDB-GENE-090312-217]	iqce
ENSDARG00000094909	ENSDARP00000115041	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	IQCI
ENSDARG00000076831	ENSDARP00000102959	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSDARG00000068257	ENSDARP00000089392	potassium voltage-gated channel, Isk-related family, member 4 [Source:ZFIN;Acc:ZDB-GENE-050419-163]	kcne4
ENSDARG00000090897	ENSDARP00000108370	kinase non-catalytic C-lobe domain (KIND) containing 1 [Source:HGNC Symbol;Acc:HGNC:29374]	KNDC1
ENSDARG00000096343	ENSDARP00000126026	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	KYNU
ENSDARG00000022698	ENSDARP00000030814	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSDARG00000032601	ENSDARP00000116255	MACRO domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1490]	macrod2
ENSDARG00000089413	ENSDARP00000109522	myelin basic protein b [Source:ZFIN;Acc:ZDB-GENE-030429-21]	mbpb
ENSDARG00000090972	ENSDARP00000106498	meiosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28613]	MEI1
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mln
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrpap
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-216]	muc13a
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvd
ENSDARG00000009252	ENSDARP0000013436	N-acyl phosphatidylethanolamine phospholipase D [Source:ZFIN;Acc:ZDB-GENE-030131-3856]	napepld
ENSDARG00000036743	ENSDARP00000067958	Novel immune-type receptor 7b; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q5YB50]	NITR7B
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkcd3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkcd3l
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000068144	ENSDARP00000089132	neuromedin Ba [Source:ZFIN;Acc:ZDB-GENE-050419-3]	nmba
ENSDARG00000077167	ENSDARP00000097995	neuromedin Bb [Source:ZFIN;Acc:ZDB-GENE-081022-31]	nmdb
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000034662	ENSDARP00000104725	non-SMC element 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040718-289]	nsme1
ENSDARG00000007734	ENSDARP0000013967	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1390]	obfc1
ENSDARG00000074476	ENSDARP00000112800	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000054055	ENSDARP00000070674	osteoerin [Source:ZFIN;Acc:ZDB-GENE-121211-2]	ostn
ENSDARG00000097487	ENSDARP00000128043	profilin family, member 4 [Source:HGNC Symbol;Acc:HGNC:31103]	PFN4
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 18 [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000039756	ENSDARP00000113013	PROP paired-like homeobox 1 [Source:ZFIN;Acc:ZDB-GENE-081107-40]	prop1
ENSDARG00000097591	ENSDARP00000128306	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000046124	ENSDARP00000107568	RAB11 family interacting protein 1 (class I) a [Source:ZFIN;Acc:ZDB-GENE-051113-116]	rab11fip1a
ENSDARG00000033754	ENSDARP00000049146	RNA binding motif protein 48 [Source:ZFIN;Acc:ZDB-GENE-060328-1]	rbm48
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rlmr
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000063021	ENSDARP00000086144	RPA interacting protein [Source:ZFIN;Acc:ZDB-GENE-060825-212]	rpain
ENSDARG00000027428	ENSDARP00000037308	ribonuclease P/MRP 30 subunit [Source:ZFIN;Acc:ZDB-GENE-050320-45]	rrp30
ENSDARG00000040607	ENSDARP00000059437	replication termination factor 2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	rtfdc1
ENSDARG00000091042	ENSDARP00000106937	sacsin molecular chaperone [Source:HGNC Symbol;Acc:HGNC:10519]	SACS
ENSDARG00000031261	ENSDARP00000039877	SAP30 binding protein [Source:ZFIN;Acc:ZDB-GENE-030131-457]	sap30bp
ENSDARG00000079897	ENSDARP00000127811	somatomedin B and thrombospondin, type 1 domain containing [Source:HGNC Symbol;Acc:HGNC:30362]	SBSPON
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000071543	ENSDARP00000096625	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000092858	ENSDARP00000118598	si:ch1073-126c3.2 [Source:ZFIN;Acc:ZDB-GENE-030131-4602]	si:ch1073-126c3.2
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270l17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270l17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1

ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000028542	ENSDARP0000032320	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000091361	ENSDARP00000124528	si:ch211-12n8.3 [Source:ZFIN;Acc:ZDB-GENE-110411-198]	si:ch211-12n8.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000094537	ENSDARP00000121236	si:ch211-137i24.12 [Source:ZFIN;Acc:ZDB-GENE-060526-36]	si:ch211-137i24.12
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000094469	ENSDARP00000112582	si:ch211-148i7.4 [Source:ZFIN;Acc:ZDB-GENE-090313-38]	si:ch211-148i7.4
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-145]	si:ch211-209f23.3
ENSDARG00000017811	ENSDARP0000014473	si:ch211-210c8.6 [Source:ZFIN;Acc:ZDB-GENE-030131-3630]	si:ch211-210c8.6

ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000078072	ENSDARP00000101833	si:ch211-232i5.1 [Source:ZFIN;Acc:ZDB-GENE-070705-127]	si:ch211-232i5.1
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237l4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237l4.6
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279j13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279j13.1
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2 [Source:ZFIN;Acc:ZDB-GENE-100922-24]	si:ch211-53m15.2
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000097072	ENSDARP00000095408	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000093432	ENSDARP00000115494	si:ch211-9n13.3 [Source:ZFIN;Acc:ZDB-GENE-060503-800]	si:ch211-9n13.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000094281	ENSDARP00000120402	si:ch73-196i15.3 [Source:ZFIN;Acc:ZDB-GENE-091116-4]	si:ch73-196i15.3
ENSDARG00000094914	ENSDARP00000113125	si:ch73-196i15.5 [Source:ZFIN;Acc:ZDB-GENE-091118-32]	si:ch73-196i15.5
ENSDARG00000077431	ENSDARP00000126407	si:ch73-196k8.2 [Source:ZFIN;Acc:ZDB-GENE-111109-1]	si:ch73-196k8.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000058782	ENSDARP00000128803	si:ch73-242m19.1 [Source:ZFIN;Acc:ZDB-GENE-131121-474]	si:ch73-242m19.1
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5

ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000089799	ENSDARP00000108833	si:ch73-41e3.7 [Source:ZFIN;Acc:ZDB-GENE-090313-163]	si:ch73-41e3.7
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-315]	si:dkey-172o10.8
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-293]	si:dkey-17e16.15
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000092616	ENSDARP00000120584	si:dkey-204f11.3 [Source:ZFIN;Acc:ZDB-GENE-040724-190]	si:dkey-204f11.3
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-22j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-22j11.3
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6

ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234j24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234j24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234k24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234k24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000094824	ENSDARP00000121679	si:dkey-23a23.1 [Source:ZFIN;Acc:ZDB-GENE-060503-65]	si:dkey-23a23.1
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000087565	ENSDARP00000105054	si:dkey-243k1.4 [Source:ZFIN;Acc:ZDB-GENE-131126-1]	si:dkey-243k1.4
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000097317	ENSDARP00000128331	si:dkey-276j7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-428]	si:dkey-276j7.3
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG0000009524	ENSDARP00000092024	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSDARG00000097988	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000094952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000045669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66i17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66i17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4

ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88l16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88l16.5
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61]	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515]	si:dkey-9p20.18
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000076343	ENSDARP00000118306	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000086650	ENSDARP00000125379	si:dkeyp-27e10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-190]	si:dkeyp-27e10.6
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000094192	ENSDARP00000114927	si:dkeyp-82a1.2 [Source:ZFIN;Acc:ZDB-GENE-081104-475]	si:dkeyp-82a1.2
ENSDARG00000092973	ENSDARP00000122402	si:dkeyp-82a1.3 [Source:ZFIN;Acc:ZDB-GENE-081104-476]	si:dkeyp-82a1.3
ENSDARG00000096103	ENSDARP00000091068	si:dkeyp-82a1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-477]	si:dkeyp-82a1.4
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096463	ENSDARP00000126476	si:dkeyp-82h4.1 [Source:ZFIN;Acc:ZDB-GENE-120709-49]	si:dkeyp-82h4.1
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000017163	ENSDARP00000019122	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000093069	ENSDARP00000057051	SLX4 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040426-1365]	slx4ip
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprr2
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSDARG00000003592	ENSDARP00000009060	surfeit 1 [Source:ZFIN;Acc:ZDB-GENE-041108-2]	surf1
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gtl4a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tac3b
ENSDARG00000079880	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	tas2r200.1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSDARG00000090187	ENSDARP00000107262	testis expressed 14 [Source:HGNC Symbol;Acc:HGNC:11737]	TEX14
ENSDARG00000015622	ENSDARP00000017119	TDP-glucose 4,6-dehydratase [Source:ZFIN;Acc:ZDB-GENE-030131-5718]	tgds
ENSDARG00000074371	ENSDARP00000103037	toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Source:ZFIN;Acc:ZDB-GENE-040219-4]	tirap
ENSDARG00000071670	ENSDARP00000096919	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSDARG00000068036	ENSDARP00000088932	transmembrane protein 119b [Source:ZFIN;Acc:ZDB-GENE-070410-49]	tmem119b
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-62]	tmem123
ENSDARG00000075346	ENSDARP00000101988	transmembrane protein 129 [Source:ZFIN;Acc:ZDB-GENE-040426-2796]	tmem129

ENSDARG00000077222	ENSDARP00000099025	transmembrane protein 130 [Source:ZFIN;Acc:ZDB-GENE-080204-23]	tmem130
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000035388	ENSDARP00000051296	transmembrane protein 174 [Source:ZFIN;Acc:ZDB-GENE-080819-2]	tmem174
ENSDARG00000012271	ENSDARP00000129197	transmembrane protein 206 [Source:ZFIN;Acc:ZDB-GENE-040426-1173]	tmem206
ENSDARG00000067646	ENSDARP00000127625	transmembrane protein 232 [Source:ZFIN;Acc:ZDB-GENE-070705-434]	tmem232
ENSDARG00000041735	ENSDARP00000007797	transmembrane protein 237a [Source:ZFIN;Acc:ZDB-GENE-070402-3]	tmem237a
ENSDARG00000074248	ENSDARP00000010454	transmembrane protein 237b [Source:ZFIN;Acc:ZDB-GENE-040912-63]	tmem237b
ENSDARG00000061553	ENSDARP00000082342	transmembrane protein 246 [Source:ZFIN;Acc:ZDB-GENE-061013-692]	tmem246
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000040553	ENSDARP00000109291	transmembrane protein 97 [Source:ZFIN;Acc:ZDB-GENE-110627-1]	tmem97
ENSDARG00000014941	ENSDARP00000056131	Tp53rk binding protein [Source:ZFIN;Acc:ZDB-GENE-041114-68]	tpkrb
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000022160	ENSDARP00000084533	tetratricopeptide repeat domain 23 [Source:ZFIN;Acc:ZDB-GENE-050419-126]	ttc23
ENSDARG00000094894	ENSDARP00000117884	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000091054	ENSDARP00000112489	vacuolar protein sorting 13 homolog B (yeast) [Source:HGNC Symbol;Acc:HGNC:2183]	VPS13B
ENSDARG00000079795	ENSDARP00000100883	V-set and transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:34443]	VSTM5
ENSDARG00000053386	ENSDARP00000069897	WD repeat domain 27 [Source:ZFIN;Acc:ZDB-GENE-051120-93]	wdr27
ENSDARG00000053554	ENSDARP00000070070	WD repeat domain 76 [Source:ZFIN;Acc:ZDB-GENE-030131-4513]	wdr76
ENSDARG00000087191	ENSDARP00000109913	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	WDR93
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000070526	ENSDARP00000094391	zinc finger, C2HC-type containing 1C [Source:ZFIN;Acc:ZDB-GENE-111020-1]	zc2hc1c
ENSDARG00000035700	ENSDARP00000051776	zgc:101664 [Source:ZFIN;Acc:ZDB-GENE-041010-187]	zgc:101664
ENSDARG00000038770	ENSDARP00000056618	zgc:103625 [Source:ZFIN;Acc:ZDB-GENE-040912-116]	zgc:103625
ENSDARG00000070899	ENSDARP00000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000035610	ENSDARP00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000077475	ENSDARP00000103555	zgc:174353 [Source:ZFIN;Acc:ZDB-GENE-071004-121]	zgc:174353
ENSDARG00000095000	ENSDARP00000114940	zgc:174355 [Source:ZFIN;Acc:ZDB-GENE-080214-3]	zgc:174355
ENSDARG00000086077	ENSDARP00000107640	Uncharacterized protein; Zgc:174357 protein [Source:UniProtKB/TrEMBL;Acc:A8E5F7]	ZGC:174357
ENSDARG00000058527	ENSDARP00000095060	zgc:174461 [Source:ZFIN;Acc:ZDB-GENE-071004-124]	zgc:174461
ENSDARG00000075731	ENSDARP00000126366	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000096843	ENSDARP00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000075614	ENSDARP00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000056266	ENSDARP00000073183	zgc:77614 [Source:ZFIN;Acc:ZDB-GENE-040426-1844]	zgc:77614
ENSDARG00000079615	ENSDARP00000094954	zgc:91850 [Source:ZFIN;Acc:ZDB-GENE-040801-211]	zgc:91850
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ENSDARG00000097776
ENSDARG00000073961	ENSDARP00000120077	novel gene	ENSDARG00000073961
ENSDARG00000096897	ENSDARP00000127765	novel gene	ENSDARG00000096897

Supplemental table 45. catfish specific genes compared to other fish

ID	access number	Description
g34556.t1	XP_001465588.1	A2 protein
g10459.t1	XP_003458873.1	actin filament-associated protein 1
g29421.t1	ELW67435.1	Adhesive plaque matrix protein
g56486.t1	XP_003445558.1	ALK tyrosine kinase receptor
g871.t1	BAF93906.1	amylopullulanase
g13113.t1	ELK30876.1	Ankyrin-2
g49323.t1	WP_006932722.1	antitoxin
g22680.t1	XP_697452.4	AP2-associated protein kinase 1
g54568.t1	BAA00422.1	apopolysialoglycoprotein
g15952.t1	NP_001230919.1	aryl hydrocarbon receptor
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g45968.t1	EHB16504.1	Beclin-1
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g58064.t1	PF13882.1	Bravo_FIGEY
g46247.t1	P43573	Bud site selection protein 27
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and PZP-like, alpha-2-macroglobulin domain containing 8
g9531.t1	XP_001383996.2	Ca2+-modulated nonselective cation channel polycystin
g21161.t1	CBV36645.1	CagY protein
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g42177.t1	XP_003341942.1	caprin-2
g31172.t1	WP_006737104.1	carbohydrate-binding protein
g51258.t1	PF00619.16	CARD
g46545.t1	Q70KF4	Cardiomyopathy-associated protein 5
g40689.t1	Q5F378	Cathelicidin-B1
g33287.t1	ELV12725.1	Cathepsin O
g44762.t1	XP_003729640.1	CCR4-NOT transcription complex subunit 1
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g39933.t1	Q5BQN8	Centromere protein J
g24801.t1	NP_001160130.1	cerebellar degeneration-related protein 1
g2844.t1	ZHT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g10144.t1	PF01391.13	Collagen
g1163.t1	XP_002798555.1	collagen protein 1
g51471.t1	XP_003884546.1	conserved hypothetical protein
g10965.t1	XP_001348886.2	conserved Plasmodium protein
g3844.t1	YP_007265887.1	Conserved protein of unknown function, PPE family protein
g53343.t1	XP_003386867.1	copine-8
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g31007.t1	XP_003763660.1	craniofacial development protein 2
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
g30928.t1	PF13358.1	DDE_3
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g18038.t1	XP_003258076.1	disintegrin and metalloproteinase domain-containing protein 29
g31232.t1	PF07263.6	DMP1
g32264.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g2839.t1	WP_020240972.1	DNA-directed RNA polymerase subunit beta
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g38123.t1	P15305	Dynein heavy chain
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g11551.t1	PF09528.5	Ehrlichia_rpt
g10915.t1	XP_002660956.2	enzymatic polyprotein
g40389.t1	A2VDD0	Eukaryotic translation initiation factor 3 subunit A
g17725.t1	XP_004913233.1	extensin
g13131.t1	XP_003458958.1	extracellular calcium-sensing receptor
g33391.t1	NP_001187145.1	FcR gamma subunit
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g58004.t1	YP_123587.1	FimV protein
g33364.t1	ELW62064.1	Foot protein 1
g39605.t1	PF07078.6	FYTT

g43639.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g41770.t1	XP_001989724.1	GH18950
g18854.t1	XP_002060930.1	GK12693
g27611.t1	CBJ28225.1	glucose sorbosone dehydrogenase
g2882.t1	WP_001271722.1	glutamine synthetase
g3034.t1	YP_302666.1	gp140
g14648.t1	PF07382.6	HC2
g15864.t1	EAW95432.1	hCG1645603
g22011.t1	EAW51470.1	hCG2042692
g40525.t1	NP_001188323.1	hepcidin
g22899.t1	PF13384.1	HTH_23
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g17102.t1	WP_003708364.1	hypothetical protein
g10797.t1	WP_019505193.1	hypothetical protein
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AURDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g51333.t1	XP_002585640.1	hypothetical protein BRAFLDRAFT_185779
g12074.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g22117.t1	XP_002590755.1	hypothetical protein BRAFLDRAFT_218669
g9771.t1	XP_002604571.1	hypothetical protein BRAFLDRAFT_220632
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g27321.t1	XP_002606432.1	hypothetical protein BRAFLDRAFT_67684
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g54153.t1	XP_002605098.1	hypothetical protein BRAFLDRAFT_85246
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g46194.t1	XP_002603577.1	hypothetical protein BRAFLDRAFT_93222
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g46148.t1	EGT35929.1	hypothetical protein CAEBREN_21004
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g37660.t1	ELT92635.1	hypothetical protein CAPTEDRAFT_86581
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g10996.t1	XP_002648163.1	Hypothetical protein CBG24246
g50194.t1	YP_875591.1	hypothetical protein CENSYa_0654
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g810.t1	EJW02257.1	hypothetical protein EDEG_03308
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g11127.t1	EHI73938.1	hypothetical protein KGM_12229

g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g43774.t1	NP_965614.1	hypothetical protein LJ0641
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g27465.t1	XP_001365969.1	hypothetical protein LOC100015795
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g28386.t1	XP_001942898.2	hypothetical protein LOC100164864
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g17755.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g52778.t1	XP_002660539.2	hypothetical protein LOC100333395
g17439.t1	XP_002667924.1	hypothetical protein LOC100333442
g16643.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g1227.t1	XP_003198150.1	hypothetical protein LOC100535957
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g11430.t1	XP_003451558.1	hypothetical protein LOC100693979
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g12333.t1	XP_003450494.1	hypothetical protein LOC100698500
g11185.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g9198.t1	XP_003443275.1	hypothetical protein LOC100705581
g54702.t1	XP_003460241.1	hypothetical protein LOC100705656
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g1690.t1	XP_003444806.1	hypothetical protein LOC100710310
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g2100.t1	YP_125859.1	hypothetical protein lpl0493
g20879.t1	ELR51638.1	hypothetical protein M91_02900
g25.t1	ELR56546.1	hypothetical protein M91_19203
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
g19636.t1	XP_001620993.1	hypothetical protein NEMVEDRAFT_v1g1316
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g34794.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
g42760.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g4485.t1	XP_001618507.1	hypothetical protein NEMVEDRAFT_v1g4173
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g42457.t1	YP_660931.1	hypothetical protein Pat1_1351
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PsycPRwf_1946
g49496.t1	YP_001433281.1	hypothetical protein Rcas_3209
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404

g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g58360.t1	XP_002462524.1	hypothetical protein SORBIDRAFT_02g027370
g12476.t1	EGW32042.1	hypothetical protein SPAPADRAFT_152410
g7325.t1	XP_003683123.1	hypothetical protein TDEL_OH00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g41962.t1	XP_002959367.1	hypothetical protein VOLCADRAFT_70813
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
g42534.t1	PF06140.8	Ifi-6-16
g11987.t1	PF13895.1	Ig_2
g48544.t1	PF02372.10	IL15
g16935.t1	P02976	Immunoglobulin G-binding protein A
g53357.t1	Q7Z5P9	In
g13672.t1	PF04156.9	IncA
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g29127.t1	NP_976934.1	internalin
g24054.t1	P07476	Involucrin
g45213.t1	XP_002732234.1	jumonji domain containing 2c
g29993.t1	XP_002666539.2	kalirin
g53337.t1	PF13885.1	Keratin B2
g16612.t1	XP_004410656.1	keratin-associated protein 16-1
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g12800.t1	WP_009868689.1	Large exoproteins involved in heme utilization or adhesion
g15807.t1	XP_002733056.1	latrophilin 2
g46216.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g8669.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g13507.t1	Q25060	LWamide I
g45470.t1	Q25060.1	LWamide neuropeptides
g31219.t1	XP_004571179.1	lymphocyte antigen 75
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g3700.t1	XP_004008357.1	maltase-glucoamylase, intestinal
g7676.t1	PF05672.6	MAP7
g2368.t1	EDL40247.1	mCG1047287
g694.t1	EDL12396.1	mCG125898
g57261.t1	EDL06691.1	mCG126332
g18370.t1	EDL20200.1	mCG145728
g40659.t1	PF05669.7	Med31
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g16742.t1	ELR46841.1	Melanoma-associated antigen E1
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentin
g14285.t1	Q7ZVV9	Methionine aminopeptidase 1
g23791.t1	XP_004025562.1	microtubule-actin cross-linking factor 1
g2492.t1	WP_001450027.1	minor spike protein H
g696.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g9084.t1	XP_004950478.1	mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38838.t1	XP_002940215.2	mucin-5AC
g7172.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
g10789.t1	Q54X08	Myb-like protein V
g11215.t1	XP_004589604.1	myosin-9
g49327.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g21268.t1	EGW00530.1	Nuclear factor of activated T-cells, cytoplasmic 2
g3786.t1	XP_002907932.1	nuclear pore complex protein, putative
g17832.t1	PF12882.2	NUT_C
g7877.t1	PF13568.1	OMP_b-brl_2
g32723.t1	XP_725227.1	ookinete protein
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g3360.t1	Q3YV06	Pantothenate kinase
g15198.t1	PF00805.17	Pentapeptide

g1017.t1	PF13599.1	Pentapeptide_4
g11064.t1	YP_001107629.1	PE-PGRS family protein
g50138.t1	EMC87829.1	Periaxin
g28258.t1	XP_004903297.1	perilipin-4
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
g10055.t1	YP_007549235.1	Pertactin
g25009.t1	A5D7L8	PGC-1 and ERR-induced regulator in muscle protein 1
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g28089.t1	F7EC58	Phosphatase and actin regulator 4
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g40062.t1	XP_003410187.1	plexin-A2
g6857.t1	PF05287.7	PMG
g25963.t1	CBN81175.1	Pol polyprotein
g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g5014.t1	EPQ20107.1	Polycystic kidney disease and receptor for egg jelly-related protein
g23843.t1	YP_443922.1	polyprotein
g10438.t1	P12027	Polysialoglycoprotein
g37002.t1	A5A3E0	POTE ankyrin domain family member F
g10176.t1	XP_001631300.1	predicted protein
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g27019.t1	XP_004478809.1	proline-rich protein 2
g20993.t1	XP_003440511.1	protein FAM180B
g21747.t1	XP_003988762.1	protein FAM186A
g6892.t1	ELW61426.1	Protein Filia
g23864.t1	XP_003504247.1	protein IWS1
g18816.t1	EFN65215.1	Protein KIAA1881
g22641.t1	XP_002259357.1	protein phosphatase
g35880.t1	XP_001921217.3	protein piccolo
g14308.t1	P18583	Protein SON
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g55256.t1	XP_694329.5	proto-oncogene tyrosine-protein kinase ROS
g3754.t1	XP_678204.1	p-type ATPase
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g19788.t1	XP_003735757.1	putative protein FAM47C
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g3398.t1	PF02749.11	QRPTase_N
g39483.t1	O54880	Rab effector Noc2
g57929.t1	AGF85532.1	repeat protein
g1345.t1	WP_001453088.1	replication-associated protein A
g30386.t1	Q8NET4	Retrotransposon gag domain-containing protein 1
g46721.t1	Q28298	Ribosome-binding protein 1
g50372.t1	WP_003961220.1	RNA helicase
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g49369.t1	XP_003452201.1	RNA-directed DNA polymerase from mobile element jockey
g250.t1	PF02023.12	SCAN
g24553.t1	PF01390.15	SEA
g42097.t1	XP_003970379.1	selenoprotein H
g37032.t1	XP_003976101.1	serine hydrolase protein
g21868.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g12471.t1	WP_003004930.1	SF-assemblin/beta giardin domain protein
g32808.t1	XP_698593.4	sickle tail protein
g31380.t1	P41809	Signaling mucin HKR1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g56366.t1	AAX30342.1	SJCHGC03036 protein
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g15561.t1	EMS57593.1	Stellacyanin
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g54284.t1	O94900	Thymocyte selection-associated high mobility group box protein TOX
g25291.t1	XP_003458132.1	transcription factor Adf-1
g35606.t1	A4QNR3	Transcription factor IIIB 50 kDa subunit
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g3667.t1	WP_020235084.1	transcriptional regulator
g27090.t1	WP_020816941.1	translation initiation factor IF-2
g55170.t1	XP_003201132.1	transposon TX1 uncharacterized 149 kDa protein
g20623.t1	BAA09333.1	trans-sialidase
g13314.t1	ACI14300.1	TREP
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R

g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g4513.t1	PF00443.24	UCH
g33102.t1	Q7D7A1	Uncharacterized PPE family protein PPE40
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g34620.t1	XP_003994928.1	uncharacterized protein C2orf31
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g3770.t1	O94854	Uncharacterized protein KIAA0754
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g33729.t1	NP_001120893.1	uncharacterized protein LOC100151718
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g32138.t1	XP_002123454.1	uncharacterized protein LOC100181721
g28141.t1	XP_002168833.2	uncharacterized protein LOC100198889
g10637.t1	XP_002168646.2	uncharacterized protein LOC100205358
g20221.t1	XP_002159909.2	uncharacterized protein LOC100214621
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g45388.t1	XP_002938088.1	uncharacterized protein LOC100485833
g15273.t1	XP_002942131.2	uncharacterized protein LOC100486501
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g24866.t1	XP_004074421.1	uncharacterized protein LOC101161171
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g27554.t1	XP_004563241.1	uncharacterized protein LOC101468433
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g25216.t1	XP_004920435.1	uncharacterized protein LOC101732294
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g42682.t1	XP_004932995.1	uncharacterized protein LOC101740474
g57327.t1	XP_004950430.1	uncharacterized protein LOC101749869
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g22427.t1	NP_001106814.1	uncharacterized protein LOC799508
g7702.t1	O96185	Uncharacterized protein PFB0460c
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM
g29898.t1	NP_114199.1	unknown
g17062.t1	CBK24322.2	unnamed protein product
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g14242.t1	XP_004561413.1	voltage-gated potassium channel subunit beta-1
g15935.t1	XP_002942463.2	vomeronal type-2 receptor 26
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g27024.t1	ACI65696.1	WAP1-like protein 1
g51019.t1	ELK26326.1	WD repeat-containing protein 66
g45386.t1	EMP34360.1	WW domain-binding protein 4
g48842.t1	AAB30669.1	Xylanase B
g30701.t1	WP_008521804.1	xylella fastidiosa surface protein related protein
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
g20237.t1	PF00098.18	zf-CCHC

g53616.t1	AAI53507.1	Zgc:174162 protein
g43418.t1	XP_004554699.1	zinc finger BED domain-containing protein 1
g11962.t1	ELK38750.1	Zinc finger protein 300
g37420.t1	XP_001198221.2	zinc finger protein 84
g25411.t1	XP_002661907.2	zinc finger protein 85
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g29961.t1	Q28983	Zonadhesin
g22233.t1	XP_003318570.1	zonadhesin
g55891.t1	ACM16033.1	zwilling B

==

Supplemental table 46. Cavefish specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSAMXG00000025519	ENSAMXP00000026224	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSAMXG0000007449	ENSAMXP00000007653	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSAMXG00000002535	ENSAMXP00000002592	diablo, IAP-binding mitochondrial protein b [Source:ZFIN;Acc:ZDB-GENE-070112-202]	diablob
ENSAMXG00000014933	ENSAMXP00000015371	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSAMXG00000006076	ENSAMXP00000006229	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSAMXG00000020732	ENSAMXP00000021351	G protein pathway suppressor 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1176]	gps2
ENSAMXG00000011339	ENSAMXP00000011639	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSAMXG00000014716	ENSAMXP00000015148	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSAMXG00000003879	ENSAMXP00000003958	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:HGNC:16655]	MRPL52
ENSAMXG00000003681	ENSAMXP00000003757	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSAMXG00000010824	ENSAMXP00000011114	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSAMXG00000010656	ENSAMXP00000010946	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSAMXG00000024539	ENSAMXP00000025239	si:ch211-22113.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22113.2
ENSAMXG00000016346	ENSAMXP00000016829	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSAMXG00000006648	ENSAMXP00000006822	si:ch73-3661.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-3661.5
ENSAMXG00000008608	ENSAMXP00000008846	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSAMXG00000026000	ENSAMXP00000026705	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSAMXG00000013563	ENSAMXP00000013952	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSAMXG00000026101	ENSAMXP00000026806	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSAMXG00000010186	ENSAMXP00000010460	spermatogenesis associated, serine-rich 1 [Source:HGNC Symbol;Acc:HGNC:22957]	SPATS1
ENSAMXG00000025286	ENSAMXP00000025992	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSAMXG00000013668	ENSAMXP00000014061	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) [Source:ZFIN;Acc:ZDB-GENE-030131-5395]	st13
ENSAMXG00000019139	ENSAMXP00000019706	testis expressed 2 [Source:ZFIN;Acc:ZDB-GENE-070615-7]	tex2
ENSAMXG00000004518	ENSAMXP00000004624	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSAMXG00000007503	ENSAMXP00000007711	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSAMXG00000000223	ENSAMXP00000000229	novel gene	ENSAMXG00000000223
ENSAMXG00000000372	ENSAMXP00000000380	novel gene	ENSAMXG00000000372
ENSAMXG00000002052	ENSAMXP00000002093	novel gene	ENSAMXG00000002052
ENSAMXG00000002054	ENSAMXP00000002097	novel gene	ENSAMXG00000002054
ENSAMXG00000002790	ENSAMXP00000002856	novel gene	ENSAMXG00000002790
ENSAMXG00000003070	ENSAMXP00000003130	novel gene	ENSAMXG00000003070
ENSAMXG00000003189	ENSAMXP00000003256	novel gene	ENSAMXG00000003189
ENSAMXG00000003885	ENSAMXP00000003966	novel gene	ENSAMXG00000003885
ENSAMXG00000004155	ENSAMXP00000004248	novel gene	ENSAMXG00000004155
ENSAMXG00000005357	ENSAMXP00000005489	novel gene	ENSAMXG00000005357
ENSAMXG00000005844	ENSAMXP00000005984	novel gene	ENSAMXG00000005844
ENSAMXG00000005877	ENSAMXP00000006014	novel gene	ENSAMXG00000005877
ENSAMXG00000006030	ENSAMXP00000006181	novel gene	ENSAMXG00000006030
ENSAMXG00000006070	ENSAMXP00000006223	novel gene	ENSAMXG00000006070
ENSAMXG00000006184	ENSAMXP00000006344	novel gene	ENSAMXG00000006184
ENSAMXG00000006263	ENSAMXP00000006429	novel gene	ENSAMXG00000006263
ENSAMXG00000007022	ENSAMXP00000007214	novel gene	ENSAMXG00000007022
ENSAMXG00000007238	ENSAMXP00000007433	novel gene	ENSAMXG00000007238
ENSAMXG00000007590	ENSAMXP00000007800	novel gene	ENSAMXG00000007590
ENSAMXG00000007906	ENSAMXP00000008122	novel gene	ENSAMXG00000007906
ENSAMXG00000008681	ENSAMXP00000008922	novel gene	ENSAMXG00000008681
ENSAMXG00000009083	ENSAMXP00000009328	novel gene	ENSAMXG00000009083
ENSAMXG00000009133	ENSAMXP00000009383	novel gene	ENSAMXG00000009133
ENSAMXG00000009181	ENSAMXP00000009435	novel gene	ENSAMXG00000009181
ENSAMXG00000009310	ENSAMXP00000009571	novel gene	ENSAMXG00000009310
ENSAMXG00000009349	ENSAMXP00000009603	novel gene	ENSAMXG00000009349
ENSAMXG00000009597	ENSAMXP00000009867	novel gene	ENSAMXG00000009597
ENSAMXG00000009965	ENSAMXP00000010233	novel gene	ENSAMXG00000009965
ENSAMXG00000010031	ENSAMXP00000010297	novel gene	ENSAMXG00000010031
ENSAMXG00000010085	ENSAMXP00000010356	novel gene	ENSAMXG00000010085
ENSAMXG00000010247	ENSAMXP00000010525	novel gene	ENSAMXG00000010247
ENSAMXG00000010791	ENSAMXP00000011080	novel gene	ENSAMXG00000010791
ENSAMXG00000010848	ENSAMXP00000011139	novel gene	ENSAMXG00000010848
ENSAMXG00000011083	ENSAMXP00000011390	novel gene	ENSAMXG00000011083
ENSAMXG00000011205	ENSAMXP00000011513	novel gene	ENSAMXG00000011205
ENSAMXG00000011303	ENSAMXP00000011607	novel gene	ENSAMXG00000011303
ENSAMXG00000012479	ENSAMXP00000012823	novel gene	ENSAMXG00000012479
ENSAMXG00000012925	ENSAMXP00000013292	novel gene	ENSAMXG00000012925
ENSAMXG00000013132	ENSAMXP00000013511	novel gene	ENSAMXG00000013132
ENSAMXG00000013933	ENSAMXP00000014333	novel gene	ENSAMXG00000013933
ENSAMXG00000014077	ENSAMXP00000014480	novel gene	ENSAMXG00000014077
ENSAMXG00000014421	ENSAMXP00000014834	novel gene	ENSAMXG00000014421
ENSAMXG00000014474	ENSAMXP00000014893	novel gene	ENSAMXG00000014474
ENSAMXG00000014935	ENSAMXP00000015372	novel gene	ENSAMXG00000014935
ENSAMXG00000014937	ENSAMXP00000015373	novel gene	ENSAMXG00000014937
ENSAMXG00000014994	ENSAMXP00000015434	novel gene	ENSAMXG00000014994
ENSAMXG00000015229	ENSAMXP00000015666	novel gene	ENSAMXG00000015229
ENSAMXG00000015608	ENSAMXP00000016057	novel gene	ENSAMXG00000015608
ENSAMXG00000015841	ENSAMXP00000016304	novel gene	ENSAMXG00000015841
ENSAMXG00000015981	ENSAMXP00000016450	novel gene	ENSAMXG00000015981
ENSAMXG00000016213	ENSAMXP00000016699	novel gene	ENSAMXG00000016213

ENSAMXG00000016395	ENSAMXP00000016881	novel gene	ENSAMXG00000016395
ENSAMXG00000016689	ENSAMXP00000017188	novel gene	ENSAMXG00000016689
ENSAMXG00000016802	ENSAMXP00000017296	novel gene	ENSAMXG00000016802
ENSAMXG00000016892	ENSAMXP00000017387	novel gene	ENSAMXG00000016892
ENSAMXG00000016966	ENSAMXP00000017461	novel gene	ENSAMXG00000016966
ENSAMXG00000017210	ENSAMXP00000017718	novel gene	ENSAMXG00000017210
ENSAMXG00000017534	ENSAMXP00000018049	novel gene	ENSAMXG00000017534
ENSAMXG00000017976	ENSAMXP00000018523	novel gene	ENSAMXG00000017976
ENSAMXG00000019042	ENSAMXP00000019611	novel gene	ENSAMXG00000019042
ENSAMXG00000019045	ENSAMXP00000019615	novel gene	ENSAMXG00000019045
ENSAMXG00000019590	ENSAMXP00000020174	novel gene	ENSAMXG00000019590
ENSAMXG00000019738	ENSAMXP00000020329	novel gene	ENSAMXG00000019738
ENSAMXG00000020355	ENSAMXP00000020957	novel gene	ENSAMXG00000020355
ENSAMXG00000020878	ENSAMXP00000021490	novel gene	ENSAMXG00000020878
ENSAMXG00000020881	ENSAMXP00000021494	novel gene	ENSAMXG00000020881
ENSAMXG00000020900	ENSAMXP00000021512	novel gene	ENSAMXG00000020900
ENSAMXG00000024843	ENSAMXP00000025499	novel gene	ENSAMXG00000024843
ENSAMXG00000024845	ENSAMXP00000025551	novel gene	ENSAMXG00000024845
ENSAMXG00000024938	ENSAMXP00000025643	novel gene	ENSAMXG00000024938
ENSAMXG00000024992	ENSAMXP00000025698	novel gene	ENSAMXG00000024992
ENSAMXG00000025043	ENSAMXP00000025749	novel gene	ENSAMXG00000025043
ENSAMXG00000025044	ENSAMXP00000025750	novel gene	ENSAMXG00000025044
ENSAMXG00000025105	ENSAMXP00000025811	novel gene	ENSAMXG00000025105
ENSAMXG00000025125	ENSAMXP00000025831	novel gene	ENSAMXG00000025125
ENSAMXG00000025147	ENSAMXP00000025853	novel gene	ENSAMXG00000025147
ENSAMXG00000025184	ENSAMXP00000025890	novel gene	ENSAMXG00000025184
ENSAMXG00000025191	ENSAMXP00000025897	novel gene	ENSAMXG00000025191
ENSAMXG00000025378	ENSAMXP00000026084	novel gene	ENSAMXG00000025378
ENSAMXG00000025381	ENSAMXP00000026087	novel gene	ENSAMXG00000025381
ENSAMXG00000025392	ENSAMXP00000026098	novel gene	ENSAMXG00000025392
ENSAMXG00000025408	ENSAMXP00000026114	novel gene	ENSAMXG00000025408
ENSAMXG00000025430	ENSAMXP00000026135	novel gene	ENSAMXG00000025430
ENSAMXG00000025586	ENSAMXP00000026291	novel gene	ENSAMXG00000025586
ENSAMXG00000025631	ENSAMXP00000026336	novel gene	ENSAMXG00000025631
ENSAMXG00000025661	ENSAMXP00000026366	novel gene	ENSAMXG00000025661
ENSAMXG00000025776	ENSAMXP00000026481	novel gene	ENSAMXG00000025776
ENSAMXG00000025782	ENSAMXP00000026487	novel gene	ENSAMXG00000025782
ENSAMXG00000025828	ENSAMXP00000026533	novel gene	ENSAMXG00000025828
ENSAMXG00000025849	ENSAMXP00000026554	novel gene	ENSAMXG00000025849
ENSAMXG00000025869	ENSAMXP00000026574	novel gene	ENSAMXG00000025869
ENSAMXG00000025876	ENSAMXP00000026581	novel gene	ENSAMXG00000025876
ENSAMXG00000025918	ENSAMXP00000026623	novel gene	ENSAMXG00000025918
ENSAMXG00000026005	ENSAMXP00000026710	novel gene	ENSAMXG00000026005
ENSAMXG00000026099	ENSAMXP00000026804	novel gene	ENSAMXG00000026099
ENSAMXG00000026131	ENSAMXP00000026836	novel gene	ENSAMXG00000026131
ENSAMXG00000026347	ENSAMXP00000027052	novel gene	ENSAMXG00000026347
ENSAMXG00000026461	ENSAMXP00000027166	novel gene	ENSAMXG00000026461
ENSAMXG00000026493	ENSAMXP00000027198	novel gene	ENSAMXG00000026493

Supplemental table 47. Atlantic cod specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGMOP00000005585	ENSGMOP00000005921	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C18orf54
ENSGMOP00000019478	ENSGMOP00000020951	collagen, type VIII, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2215]	COL8A1
ENSGMOP00000003112	ENSGMOP00000003267	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGMOP000000001978	ENSGMOP00000002109	myristoylated alanine rich protein kinase C substrate a [Source:ZFIN;Acc:ZDB-GENE-050522-145]	marckska
ENSGMOP000000013373	ENSGMOP000000014300	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSGMOP000000020186	ENSGMOP000000021673	major facilitator superfamily domain containing 6-like [Source:ZFIN;Acc:ZDB-GENE-040801-105]	mf6d1
ENSGMOP000000008384	ENSGMOP00000008974	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSGMOP000000001977	ENSGMOP00000002096	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSGMOP000000019673	ENSGMOP000000021160	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGMOP000000000030	ENSGMOP000000000034	novel gene	ENSGMOP000000000030
ENSGMOP000000000078	ENSGMOP000000000078	novel gene	ENSGMOP000000000078
ENSGMOP000000000094	ENSGMOP000000000099	novel gene	ENSGMOP000000000094
ENSGMOP000000000149	ENSGMOP000000000149	novel gene	ENSGMOP000000000149
ENSGMOP000000000159	ENSGMOP000000000158	novel gene	ENSGMOP000000000159
ENSGMOP000000000219	ENSGMOP000000000222	novel gene	ENSGMOP000000000219
ENSGMOP000000000293	ENSGMOP000000000297	novel gene	ENSGMOP000000000293
ENSGMOP000000000361	ENSGMOP000000000348	novel gene	ENSGMOP000000000361
ENSGMOP000000000382	ENSGMOP000000000367	novel gene	ENSGMOP000000000382
ENSGMOP000000000423	ENSGMOP000000000410	novel gene	ENSGMOP000000000423
ENSGMOP000000000562	ENSGMOP000000000545	novel gene	ENSGMOP000000000562
ENSGMOP000000000583	ENSGMOP000000000562	novel gene	ENSGMOP000000000583
ENSGMOP000000000597	ENSGMOP000000000574	novel gene	ENSGMOP000000000597
ENSGMOP000000000636	ENSGMOP000000000619	novel gene	ENSGMOP000000000636
ENSGMOP000000000773	ENSGMOP000000000775	novel gene	ENSGMOP000000000773
ENSGMOP000000000839	ENSGMOP000000000854	novel gene	ENSGMOP000000000839
ENSGMOP000000001117	ENSGMOP000000001153	novel gene	ENSGMOP000000001117
ENSGMOP000000001164	ENSGMOP000000001202	novel gene	ENSGMOP000000001164
ENSGMOP000000001185	ENSGMOP000000001218	novel gene	ENSGMOP000000001185
ENSGMOP000000001241	ENSGMOP000000001288	novel gene	ENSGMOP000000001241
ENSGMOP000000001287	ENSGMOP000000001328	novel gene	ENSGMOP000000001287
ENSGMOP000000001312	ENSGMOP000000001364	novel gene	ENSGMOP000000001312
ENSGMOP000000001362	ENSGMOP000000001417	novel gene	ENSGMOP000000001362
ENSGMOP000000001397	ENSGMOP000000001455	novel gene	ENSGMOP000000001397
ENSGMOP000000001445	ENSGMOP000000001501	novel gene	ENSGMOP000000001445
ENSGMOP000000001462	ENSGMOP000000001521	novel gene	ENSGMOP000000001462
ENSGMOP000000001566	ENSGMOP000000001643	novel gene	ENSGMOP000000001566
ENSGMOP000000001711	ENSGMOP000000001801	novel gene	ENSGMOP000000001711
ENSGMOP000000001719	ENSGMOP000000001803	novel gene	ENSGMOP000000001719
ENSGMOP000000001815	ENSGMOP000000001917	novel gene	ENSGMOP000000001815
ENSGMOP000000001942	ENSGMOP000000002063	novel gene	ENSGMOP000000001942
ENSGMOP000000002012	ENSGMOP000000002146	novel gene	ENSGMOP000000002012
ENSGMOP000000002032	ENSGMOP000000002164	novel gene	ENSGMOP000000002032
ENSGMOP000000002336	ENSGMOP000000002464	novel gene	ENSGMOP000000002336
ENSGMOP000000002429	ENSGMOP000000002575	novel gene	ENSGMOP000000002429
ENSGMOP000000002602	ENSGMOP000000002737	novel gene	ENSGMOP000000002602
ENSGMOP000000002659	ENSGMOP000000002799	novel gene	ENSGMOP000000002659
ENSGMOP000000002739	ENSGMOP000000002874	novel gene	ENSGMOP000000002739
ENSGMOP000000002794	ENSGMOP000000002939	novel gene	ENSGMOP000000002794
ENSGMOP000000002837	ENSGMOP000000002979	novel gene	ENSGMOP000000002837
ENSGMOP000000002933	ENSGMOP000000003072	novel gene	ENSGMOP000000002933
ENSGMOP000000002936	ENSGMOP000000003085	novel gene	ENSGMOP000000002936
ENSGMOP000000003118	ENSGMOP000000003270	novel gene	ENSGMOP000000003118
ENSGMOP000000003126	ENSGMOP000000003280	novel gene	ENSGMOP000000003126
ENSGMOP000000003151	ENSGMOP000000003307	novel gene	ENSGMOP000000003151
ENSGMOP000000003217	ENSGMOP000000003389	novel gene	ENSGMOP000000003217
ENSGMOP000000003338	ENSGMOP000000003532	novel gene	ENSGMOP000000003338
ENSGMOP000000003403	ENSGMOP000000003593	novel gene	ENSGMOP000000003403
ENSGMOP000000003467	ENSGMOP000000003649	novel gene	ENSGMOP000000003467
ENSGMOP000000003540	ENSGMOP000000003754	novel gene	ENSGMOP000000003540
ENSGMOP000000003693	ENSGMOP000000003901	novel gene	ENSGMOP000000003693
ENSGMOP000000003707	ENSGMOP000000003918	novel gene	ENSGMOP000000003707
ENSGMOP000000003706	ENSGMOP000000003933	novel gene	ENSGMOP000000003706
ENSGMOP000000003750	ENSGMOP000000003981	novel gene	ENSGMOP000000003750
ENSGMOP000000003823	ENSGMOP000000004035	novel gene	ENSGMOP000000003823
ENSGMOP000000003828	ENSGMOP000000004043	novel gene	ENSGMOP000000003828
ENSGMOP000000003905	ENSGMOP000000004130	novel gene	ENSGMOP000000003905
ENSGMOP000000003934	ENSGMOP000000004180	novel gene	ENSGMOP000000003934
ENSGMOP000000004012	ENSGMOP000000004236	novel gene	ENSGMOP000000004012
ENSGMOP000000004043	ENSGMOP000000004272	novel gene	ENSGMOP000000004043
ENSGMOP000000004094	ENSGMOP000000004356	novel gene	ENSGMOP000000004094
ENSGMOP000000004248	ENSGMOP000000004494	novel gene	ENSGMOP000000004248
ENSGMOP000000004348	ENSGMOP000000004599	novel gene	ENSGMOP000000004348
ENSGMOP000000004413	ENSGMOP000000004677	novel gene	ENSGMOP000000004413
ENSGMOP000000004547	ENSGMOP000000004810	novel gene	ENSGMOP000000004547
ENSGMOP000000004567	ENSGMOP000000004835	novel gene	ENSGMOP000000004567
ENSGMOP000000004568	ENSGMOP000000004839	novel gene	ENSGMOP000000004568

ENSGMOP00000010386 novel gene
ENSGMOP00000010408 novel gene
ENSGMOP00000010413 novel gene
ENSGMOP00000010427 novel gene
ENSGMOP00000010495 novel gene
ENSGMOP00000010504 novel gene
ENSGMOP00000010545 novel gene
ENSGMOP00000010627 novel gene
ENSGMOP00000010767 novel gene
ENSGMOP00000010842 novel gene
ENSGMOP00000010859 novel gene
ENSGMOP00000011059 novel gene
ENSGMOP00000011116 novel gene
ENSGMOP00000011118 novel gene
ENSGMOP00000011123 novel gene
ENSGMOP00000011145 novel gene
ENSGMOP00000011193 novel gene
ENSGMOP00000011234 novel gene
ENSGMOP00000011262 novel gene
ENSGMOP00000011325 novel gene
ENSGMOP00000011395 novel gene
ENSGMOP00000011485 novel gene
ENSGMOP00000011536 novel gene
ENSGMOP00000011540 novel gene
ENSGMOP00000011664 novel gene
ENSGMOP00000011697 novel gene
ENSGMOP00000011709 novel gene
ENSGMOP00000011863 novel gene
ENSGMOP00000011866 novel gene
ENSGMOP00000011914 novel gene
ENSGMOP00000011953 novel gene
ENSGMOP00000012024 novel gene
ENSGMOP00000012038 novel gene
ENSGMOP00000012065 novel gene
ENSGMOP00000012142 novel gene
ENSGMOP00000012178 novel gene
ENSGMOP00000012212 novel gene
ENSGMOP00000012343 novel gene
ENSGMOP00000012399 novel gene
ENSGMOP00000012441 novel gene
ENSGMOP00000012501 novel gene
ENSGMOP00000012532 novel gene
ENSGMOP00000012545 novel gene
ENSGMOP00000012594 novel gene
ENSGMOP00000012601 novel gene
ENSGMOP00000012605 novel gene
ENSGMOP00000012610 novel gene
ENSGMOP00000012655 novel gene
ENSGMOP00000012729 novel gene
ENSGMOP00000012793 novel gene
ENSGMOP00000012810 novel gene
ENSGMOP00000012840 novel gene
ENSGMOP00000012943 novel gene
ENSGMOP00000012951 novel gene
ENSGMOP00000012965 novel gene
ENSGMOP00000012994 novel gene
ENSGMOP00000013071 novel gene
ENSGMOP00000013165 novel gene
ENSGMOP00000013405 novel gene
ENSGMOP00000013429 novel gene
ENSGMOP00000013457 novel gene
ENSGMOP00000013578 novel gene
ENSGMOP00000013883 novel gene
ENSGMOP00000013961 novel gene
ENSGMOP00000013974 novel gene
ENSGMOP00000013989 novel gene
ENSGMOP00000014076 novel gene
ENSGMOP00000014141 novel gene
ENSGMOP00000014290 novel gene
ENSGMOP00000014357 novel gene
ENSGMOP00000014403 novel gene
ENSGMOP00000014443 novel gene
ENSGMOP00000014532 novel gene
ENSGMOP00000014612 novel gene
ENSGMOP00000014853 novel gene
ENSGMOP00000014858 novel gene
ENSGMOP00000014918 novel gene
ENSGMOP00000015033 novel gene
ENSGMOP00000015112 novel gene

ENSGMOP00000009715
ENSGMOP00000009738
ENSGMOP00000009743
ENSGMOP00000009760
ENSGMOP00000009817
ENSGMOP00000009826
ENSGMOP00000009860
ENSGMOP00000009940
ENSGMOP00000010077
ENSGMOP00000010134
ENSGMOP00000010154
ENSGMOP00000010337
ENSGMOP00000010392
ENSGMOP00000010394
ENSGMOP00000010404
ENSGMOP00000010415
ENSGMOP00000010462
ENSGMOP00000010494
ENSGMOP00000010525
ENSGMOP00000010579
ENSGMOP00000010642
ENSGMOP00000010735
ENSGMOP00000010787
ENSGMOP00000010792
ENSGMOP00000010910
ENSGMOP00000010943
ENSGMOP00000010959
ENSGMOP00000011097
ENSGMOP00000011098
ENSGMOP00000011146
ENSGMOP00000011173
ENSGMOP00000011252
ENSGMOP00000011265
ENSGMOP00000011284
ENSGMOP00000011358
ENSGMOP00000011387
ENSGMOP00000011420
ENSGMOP00000011546
ENSGMOP00000011598
ENSGMOP00000011640
ENSGMOP00000011694
ENSGMOP00000011711
ENSGMOP00000011734
ENSGMOP00000011777
ENSGMOP00000011786
ENSGMOP00000011792
ENSGMOP00000011796
ENSGMOP00000011833
ENSGMOP00000011906
ENSGMOP00000011961
ENSGMOP00000011975
ENSGMOP00000012003
ENSGMOP00000012089
ENSGMOP00000012099
ENSGMOP00000012112
ENSGMOP00000012136
ENSGMOP00000012211
ENSGMOP00000012303
ENSGMOP00000012526
ENSGMOP00000012550
ENSGMOP00000012578
ENSGMOP00000012691
ENSGMOP00000012985
ENSGMOP00000013060
ENSGMOP00000013067
ENSGMOP00000013088
ENSGMOP00000013165
ENSGMOP00000013228
ENSGMOP00000013371
ENSGMOP00000013433
ENSGMOP00000013463
ENSGMOP00000013516
ENSGMOP00000013600
ENSGMOP00000013679
ENSGMOP00000013907
ENSGMOP00000013923
ENSGMOP00000013970
ENSGMOP00000014092
ENSGMOP00000014150

ENSGMOP00000015121 novel gene
ENSGMOP00000015184 novel gene
ENSGMOP00000015187 novel gene
ENSGMOP00000015227 novel gene
ENSGMOP00000015271 novel gene
ENSGMOP00000015397 novel gene
ENSGMOP00000015724 novel gene
ENSGMOP00000015997 novel gene
ENSGMOP00000016003 novel gene
ENSGMOP00000016173 novel gene
ENSGMOP00000016360 novel gene
ENSGMOP00000016455 novel gene
ENSGMOP00000016523 novel gene
ENSGMOP00000016565 novel gene
ENSGMOP00000016654 novel gene
ENSGMOP00000016851 novel gene
ENSGMOP00000016871 novel gene
ENSGMOP00000016998 novel gene
ENSGMOP00000017043 novel gene
ENSGMOP00000017125 novel gene
ENSGMOP00000017198 novel gene
ENSGMOP00000017475 novel gene
ENSGMOP00000017476 novel gene
ENSGMOP00000017504 novel gene
ENSGMOP00000017615 novel gene
ENSGMOP00000017633 novel gene
ENSGMOP00000017638 novel gene
ENSGMOP00000017671 novel gene
ENSGMOP00000017677 novel gene
ENSGMOP00000017835 novel gene
ENSGMOP00000017887 novel gene
ENSGMOP00000017979 novel gene
ENSGMOP00000018033 novel gene
ENSGMOP00000018262 novel gene
ENSGMOP00000018345 novel gene
ENSGMOP00000018349 novel gene
ENSGMOP00000018374 novel gene
ENSGMOP00000018424 novel gene
ENSGMOP00000018444 novel gene
ENSGMOP00000018497 novel gene
ENSGMOP00000018505 novel gene
ENSGMOP00000018512 novel gene
ENSGMOP00000018637 novel gene
ENSGMOP00000018720 novel gene
ENSGMOP00000018748 novel gene
ENSGMOP00000018759 novel gene
ENSGMOP00000018907 novel gene
ENSGMOP00000019072 novel gene
ENSGMOP00000019074 novel gene
ENSGMOP00000019127 novel gene
ENSGMOP00000019130 novel gene
ENSGMOP00000019153 novel gene
ENSGMOP00000019161 novel gene
ENSGMOP00000019205 novel gene
ENSGMOP00000019220 novel gene
ENSGMOP00000019275 novel gene
ENSGMOP00000019433 novel gene
ENSGMOP00000019450 novel gene
ENSGMOP00000019460 novel gene
ENSGMOP00000019519 novel gene
ENSGMOP00000019727 novel gene
ENSGMOP00000019773 novel gene
ENSGMOP00000019824 novel gene
ENSGMOP00000019864 novel gene
ENSGMOP00000019939 novel gene
ENSGMOP00000020095 novel gene
ENSGMOP00000020231 novel gene
ENSGMOP00000020603 novel gene
ENSGMOP00000020674 novel gene
ENSGMOP00000020726 novel gene
ENSGMOP00000020932 novel gene
ENSGMOP00000020977 novel gene
ENSGMOP00000021189 novel gene
ENSGMOP00000021206 novel gene
ENSGMOP00000021237 novel gene
ENSGMOP00000021247 novel gene
ENSGMOP00000021249 novel gene
ENSGMOP00000021271 novel gene
ENSGMOP00000021279 novel gene

ENSGMOP00000014168
ENSGMOP00000014220
ENSGMOP00000014221
ENSGMOP00000014263
ENSGMOP00000014260
ENSGMOP00000014405
ENSGMOP00000014673
ENSGMOP00000014945
ENSGMOP00000014951
ENSGMOP00000015122
ENSGMOP00000015275
ENSGMOP00000015369
ENSGMOP00000015436
ENSGMOP00000015471
ENSGMOP00000015536
ENSGMOP00000015714
ENSGMOP00000015704
ENSGMOP00000015855
ENSGMOP00000015891
ENSGMOP00000015983
ENSGMOP00000016044
ENSGMOP00000016296
ENSGMOP00000016295
ENSGMOP00000016326
ENSGMOP00000016420
ENSGMOP00000016442
ENSGMOP00000016432
ENSGMOP00000016477
ENSGMOP00000016479
ENSGMOP00000016621
ENSGMOP00000016671
ENSGMOP00000016756
ENSGMOP00000016801
ENSGMOP00000017003
ENSGMOP00000017084
ENSGMOP00000017089
ENSGMOP00000017114
ENSGMOP00000017155
ENSGMOP00000017174
ENSGMOP00000017220
ENSGMOP00000017231
ENSGMOP00000017228
ENSGMOP00000017354
ENSGMOP00000017426
ENSGMOP00000017448
ENSGMOP00000017461
ENSGMOP00000017595
ENSGMOP00000017748
ENSGMOP00000017729
ENSGMOP00000017773
ENSGMOP00000017785
ENSGMOP00000017809
ENSGMOP00000017828
ENSGMOP00000017871
ENSGMOP00000017877
ENSGMOP00000017937
ENSGMOP00000018076
ENSGMOP00000018080
ENSGMOP00000018093
ENSGMOP00000018135
ENSGMOP00000018336
ENSGMOP00000018376
ENSGMOP00000018439
ENSGMOP00000018469
ENSGMOP00000018549
ENSGMOP00000018709
ENSGMOP00000018840
ENSGMOP00000019152
ENSGMOP00000019223
ENSGMOP00000019275
ENSGMOP00000019460
ENSGMOP00000019499
ENSGMOP00000019702
ENSGMOP00000019719
ENSGMOP00000019750
ENSGMOP00000019760
ENSGMOP00000019762
ENSGMOP00000019784
ENSGMOP00000019792

Supplemental table 48. Fugu specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTRUG00000008805	ENSTRUP000000022123	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSTRUG00000001714	ENSTRUP00000003934	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSTRUG000000017532	ENSTRUP000000044940	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSTRUG00000002424	ENSTRUP000000005616	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSTRUG000000012244	ENSTRUP000000031000	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSTRUG00000008720	ENSTRUP000000021900	Takifugu rubripes interleukin-2 precursor (il-2), mRNA. [Source:RefSeq mRNA;Acc:NM_001037994]	il-2
ENSTRUG000000017883	ENSTRUP000000045861	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2V9H1]	ISG12
ENSTRUG00000008907	ENSTRUP000000022394	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTRUG00000006570	ENSTRUP000000016131	Neurofibromatosis type 1 neurofibromin; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q918U3]	NF1
ENSTRUG000000015997	ENSTRUP000000040902	Squamous-cell carcinoma T-cell-recognized antigen; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9DF65]	SART1
ENSTRUG00000003596	ENSTRUP000000008439	Takifugu rubripes secretory calcium-binding phosphoprotein 3a (scpp3a), mRNA. [Source:RefSeq mRNA;Acc:NM_001037853]	scpp3a
ENSTRUG000000010211	ENSTRUP000000025713	Takifugu rubripes secretory calcium-binding phosphoprotein 3b (scpp3b), mRNA. [Source:RefSeq mRNA;Acc:NM_001037854]	SCPP3B
ENSTRUG000000010197	ENSTRUP000000025680	Takifugu rubripes secretory calcium-binding phosphoprotein 3c (scpp3c), mRNA. [Source:RefSeq mRNA;Acc:NM_001037855]	scpp3c
ENSTRUG000000012969	ENSTRUP000000032899	translational machinery associated 7 homolog (<i>S. cerevisiae</i>) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSTRUG00000003568	ENSTRUP000000008374	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218

Supplemental table 49. Coelacanth specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLACG00000005961	ENSLACP00000006721	alpha 1,4-galactosyltransferase [Source:HGNC Symbol;Acc:HGNC:18149]	A4GALT
ENSLACG00000022406	ENSLACP00000023132	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11 [Source:HGNC Symbol;Acc:HGNC:14438]	ALS2CR11
ENSLACG00000022688	ENSLACP00000023658	ATP synthase protein 8 [Source:UniProtKB/Swiss-Prot;Acc:O03168]	ATP8
ENSLACG00000015519	ENSLACP00000017621	brain abundant, membrane attached signal protein 1 [Source:HGNC Symbol;Acc:HGNC:957]	BASP1
ENSLACG00000022323	ENSLACP00000022201	BCL2-like 11 (apoptosis facilitator) [Source:HGNC Symbol;Acc:HGNC:994]	BCL2L11
ENSLACG00000022648	ENSLACP00000022579	chromosome 11 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:34444]	C11orf91
ENSLACG00000022139	ENSLACP00000022267	chromosome 12 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:26846]	C12orf40
ENSLACG00000015300	ENSLACP00000017370	chromosome 14 open reading frame 93 [Source:HGNC Symbol;Acc:HGNC:20162]	C14orf93
ENSLACG00000018282	ENSLACP00000020812	chromosome 17 open reading frame 78 [Source:HGNC Symbol;Acc:HGNC:26831]	C17orf78
ENSLACG00000009645	ENSLACP00000010963	chromosome 19 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:34495]	C19orf68
ENSLACG00000022616	ENSLACP00000023634	chromosome 19 open reading frame 71 [Source:HGNC Symbol;Acc:HGNC:34496]	C19orf71
ENSLACG00000006300	ENSLACP00000007101	chromosome 19 open reading frame 81 [Source:HGNC Symbol;Acc:HGNC:40041]	C19orf81
ENSLACG00000003013	ENSLACP00000003370	chromosome 1 open reading frame 94 [Source:HGNC Symbol;Acc:HGNC:28250]	C1orf94
ENSLACG00000022499	ENSLACP00000022480	chromosome 3 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:24771]	C3orf62
ENSLACG00000022518	ENSLACP00000022568	chromosome 6 open reading frame 163 [Source:HGNC Symbol;Acc:HGNC:21403]	C6orf163
ENSLACG00000022545	ENSLACP00000022807	chromosome 6 open reading frame 201 [Source:HGNC Symbol;Acc:HGNC:21620]	C6orf201
ENSLACG00000022418	ENSLACP00000023592	coiled-coil domain containing 154 [Source:HGNC Symbol;Acc:HGNC:34454]	CCDC154
ENSLACG00000018825	ENSLACP00000021425	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]	CD34
ENSLACG00000022675	ENSLACP00000022759	CD99 molecule [Source:HGNC Symbol;Acc:HGNC:7082]	CD99
ENSLACG00000013186	ENSLACP00000014982	CEBPZ opposite strand [Source:HGNC Symbol;Acc:HGNC:49288]	CEBPZOS
ENSLACG00000022381	ENSLACP00000022070	centromere protein Q [Source:HGNC Symbol;Acc:HGNC:21347]	CENPQ
ENSLACG00000016548	ENSLACP00000018800	chromogranin B (secretogranin 1) [Source:HGNC Symbol;Acc:HGNC:1930]	CHGB
ENSLACG000000007700	ENSLACP00000008712	cardiotrophin-like cytokine factor 1 [Source:ZFIN;Acc:ZDB-GENE-110411-244]	clcf1
ENSLACG00000022396	ENSLACP00000023522	collagen, type IX, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2217]	COL9A1
ENSLACG00000000951	ENSLACP00000001062	colorectal cancer associated 2 [Source:HGNC Symbol;Acc:HGNC:26978]	COLCA2
ENSLACG00000014726	ENSLACP00000016716	cell wall biogenesis 43 C-terminal homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:26133]	CWH43
ENSLACG000000004448	ENSLACP00000000503	E2F transcription factor 7 [Source:ZFIN;Acc:ZDB-GENE-030131-3527]	e2f7
ENSLACG00000011386	ENSLACP00000012929	glutamate-rich 1 [Source:HGNC Symbol;Acc:HGNC:27234]	ERIC1
ENSLACG00000009049	ENSLACP00000010272	ER membrane-associated RNA degradation [Source:HGNC Symbol;Acc:HGNC:21056]	ERMARD
ENSLACG00000010686	ENSLACP00000012139	endoplasmic reticulum protein 29 [Source:HGNC Symbol;Acc:HGNC:13799]	ERP29
ENSLACG00000013162	ENSLACP00000014954	family with sequence similarity 220, member A [Source:HGNC Symbol;Acc:HGNC:22422]	FAM220A
ENSLACG00000018101	ENSLACP00000020598	FANCD2 opposite strand [Source:HGNC Symbol;Acc:HGNC:28623]	FANCD2OS
ENSLACG00000022644	ENSLACP00000021977	HEAT repeat containing 9 [Source:HGNC Symbol;Acc:HGNC:26548]	HEATR9
ENSLACG00000009397	ENSLACP00000010668	integrin-binding sialoprotein [Source:HGNC Symbol;Acc:HGNC:5341]	IBSP
ENSLACG00000022257	ENSLACP00000023629	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides [Source:HGNC Symbol;Acc:HGNC:5713]	IGJ
ENSLACG00000004564	ENSLACP00000005135	interleukin 22 [Source:HGNC Symbol;Acc:HGNC:14900]	IL22
ENSLACG00000008220	ENSLACP00000009318	interleukin 6 [Source:HGNC Symbol;Acc:HGNC:6018]	IL6
ENSLACG000000000016	ENSLACP000000000019	INO80 complex subunit E [Source:HGNC Symbol;Acc:HGNC:26905]	INO80E
ENSLACG00000022377	ENSLACP00000023166	integrin beta 3 binding protein (beta3-endonexin) [Source:HGNC Symbol;Acc:HGNC:6157]	ITGB3BP
ENSLACG00000004410	ENSLACP00000004959	potassium voltage-gated channel, Isk-related family, member 3 [Source:HGNC Symbol;Acc:HGNC:6243]	KCNE3
ENSLACG00000022329	ENSLACP00000023067	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]	KIAA0040
ENSLACG00000005495	ENSLACP00000006197	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A976]	LACH-UX-02
ENSLACG00000010336	ENSLACP00000011741	leukocyte receptor cluster (LRC) member 1 [Source:HGNC Symbol;Acc:HGNC:15502]	LENG1
ENSLACG00000008630	ENSLACP00000023276	maelstrom spermatogenic transposon silencer [Source:HGNC Symbol;Acc:HGNC:25929]	MAEL
ENSLACG00000022574	ENSLACP00000023294	microtubule-associated protein 9 [Source:HGNC Symbol;Acc:HGNC:26118]	MAP9
ENSLACG00000003598	ENSLACP00000004041	mitochondrial ribosomal protein L50 [Source:HGNC Symbol;Acc:HGNC:16654]	MRPL50
ENSLACG00000007729	ENSLACP00000008744	Myb/SANT-like DNA-binding domain containing 3 [Source:HGNC Symbol;Acc:HGNC:23370]	MUSANTD3
ENSLACG000000004418	ENSLACP00000000470	mucin 16, cell surface associated [Source:HGNC Symbol;Acc:HGNC:15582]	MC16
ENSLACG00000006916	ENSLACP00000007809	ring finger protein 32 [Source:ZFIN;Acc:ZDB-GENE-061013-39]	rnf32
ENSLACG00000018821	ENSLACP00000021421	shisa family member 5 [Source:HGNC Symbol;Acc:HGNC:30376]	SHISA5
ENSLACG00000006621	ENSLACP000000007470	sperm acrosome associated 1 [Source:HGNC Symbol;Acc:HGNC:14967]	SPACA1
ENSLACG00000009904	ENSLACP00000011258	spermatogenesis associated 24 [Source:HGNC Symbol;Acc:HGNC:27322]	SPATA24
ENSLACG00000016662	ENSLACP00000018940	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa [Source:HGNC Symbol;Acc:HGNC:28759]	TAFF1D
ENSLACG00000022491	ENSLACP00000023229	testis, prostate and placenta expressed [Source:HGNC Symbol;Acc:HGNC:33745]	TAPP
ENSLACG00000022289	ENSLACP00000023181	testis expressed 12 [Source:HGNC Symbol;Acc:HGNC:11734]	TEX12
ENSLACG00000000650	ENSLACP00000000725	testis expressed 33 [Source:HGNC Symbol;Acc:HGNC:28568]	TEX33
ENSLACG00000001897	ENSLACP00000002121	transmembrane protein 143 [Source:HGNC Symbol;Acc:HGNC:25603]	TMEM143
ENSLACG00000009377	ENSLACP00000010645	transmembrane protein 171 [Source:HGNC Symbol;Acc:HGNC:27031]	TMEM171
ENSLACG00000016867	ENSLACP00000019174	transmembrane protein 217 [Source:HGNC Symbol;Acc:HGNC:21238]	TMEM217
ENSLACG00000022440	ENSLACP00000022347	transmembrane protein 95 [Source:HGNC Symbol;Acc:HGNC:27898]	TMEM95
ENSLACG00000000797	ENSLACP00000000885	three prime repair exonuclease 2 [Source:HGNC Symbol;Acc:HGNC:12270]	TREX2
ENSLACG00000022459	ENSLACP00000022231	testis specific, 13 [Source:HGNC Symbol;Acc:HGNC:12369]	TSGA13
ENSLACG00000006689	ENSLACP00000007546	tetraspanin 32 [Source:HGNC Symbol;Acc:HGNC:13410]	TPSPAN32
ENSLACG00000015727	ENSLACP00000017853	UBA-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29576]	UBALD1
ENSLACG000000000019	ENSLACP00000000025	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSLACG00000014567	ENSLACP00000016531	ZMYM6 neighbor [Source:HGNC Symbol;Acc:HGNC:40021]	ZMYM6NB
ENSLACG00000012523	ENSLACP00000023069	zona pellucida binding protein 2 [Source:HGNC Symbol;Acc:HGNC:20678]	ZPBP2
ENSLACG00000018716	ENSLACP00000021298	zinc finger, SWIM-type containing 1 [Source:HGNC Symbol;Acc:HGNC:16155]	ZSWIM1
ENSLACG00000018710	ENSLACP00000021291	zinc finger, SWIM-type containing 3 [Source:HGNC Symbol;Acc:HGNC:16157]	ZSWIM3
ENSLACG00000000003	ENSLACP00000000004	novel gene	ENSLACG00000000003
ENSLACG00000000008	ENSLACP00000000009	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZR17]	ENSLACG00000000008
ENSLACG00000000039	ENSLACP00000000045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRM4]	ENSLACG00000000039
ENSLACG00000000051	ENSLACP00000000058	Metallothionein [Source:UniProtKB/TrEMBL;Acc:H2ZRN7]	ENSLACG00000000051
ENSLACG00000000068	ENSLACP00000000078	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRQ7]	ENSLACG00000000068
ENSLACG00000000153	ENSLACP00000000170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRZ9]	ENSLACG00000000153

ENSLACG0000004070	ENSLACP0000004572	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A4K1]	ENSLACG0000004070
ENSLACG0000004312	ENSLACP0000004849	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A5C8]	ENSLACG0000004312
ENSLACG0000004313	ENSLACP0000004850	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A5C9]	ENSLACG0000004313
ENSLACG0000004325	ENSLACP0000004867	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A5E6]	ENSLACG0000004325
ENSLACG0000004428	ENSLACP0000004980	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3A5Q9]	ENSLACG0000004428
ENSLACG0000004434	ENSLACP0000004987	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A5R6]	ENSLACG0000004434
ENSLACG0000004577	ENSLACP0000005149	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A679]	ENSLACG0000004577
ENSLACG0000004615	ENSLACP0000005196	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A6C5]	ENSLACG0000004615
ENSLACG0000004748	ENSLACP0000005340	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A6R9]	ENSLACG0000004748
ENSLACG0000004770	ENSLACP0000005366	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3A6U5]	ENSLACG0000004770
ENSLACG0000005055	ENSLACP0000005689	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A7R8]	ENSLACG0000005055
ENSLACG0000005083	ENSLACP0000005721	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A7V0]	ENSLACG0000005083
ENSLACG0000005114	ENSLACP0000005761	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A7Z0]	ENSLACG0000005114
ENSLACG0000005141	ENSLACP0000005792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A821]	ENSLACG0000005141
ENSLACG0000005163	ENSLACP0000005816	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A845]	ENSLACG0000005163
ENSLACG0000005178	ENSLACP0000005830	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3A859]	ENSLACG0000005178
ENSLACG0000005213	ENSLACP0000005870	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3A899]	ENSLACG0000005213
ENSLACG0000005215	ENSLACP0000005873	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A8A2]	ENSLACG0000005215
ENSLACG0000005287	ENSLACP0000005956	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A8I5]	ENSLACG0000005287
ENSLACG0000005296	ENSLACP0000005966	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A8J5]	ENSLACG0000005296
ENSLACG0000005339	ENSLACP0000006014	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A8P3]	ENSLACG0000005339
ENSLACG0000005372	ENSLACP0000006051	novel gene		ENSLACG0000005372
ENSLACG0000005405	ENSLACP0000006089	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A8W8]	ENSLACG0000005405
ENSLACG0000005424	ENSLACP0000006111	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A8Z0]	ENSLACG0000005424
ENSLACG0000005443	ENSLACP0000006137	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A916]	ENSLACG0000005443
ENSLACG0000005471	ENSLACP0000006168	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A947]	ENSLACG0000005471
ENSLACG0000005474	ENSLACP0000006171	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A950]	ENSLACG0000005474
ENSLACG0000005544	ENSLACP0000006251	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A9C9]	ENSLACG0000005544
ENSLACG0000005573	ENSLACP0000006283	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A9G2]	ENSLACG0000005573
ENSLACG0000005631	ENSLACP0000006346	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A9M5]	ENSLACG0000005631
ENSLACG0000005663	ENSLACP0000006381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3A9R0]	ENSLACG0000005663
ENSLACG0000005748	ENSLACP0000006482	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AA11]	ENSLACG0000005748
ENSLACG0000005755	ENSLACP0000006490	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AA19]	ENSLACG0000005755
ENSLACG0000005801	ENSLACP0000006544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AA73]	ENSLACG0000005801
ENSLACG0000005933	ENSLACP0000006690	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AAI9]	ENSLACG0000005933
ENSLACG0000006109	ENSLACP0000006883	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AB62]	ENSLACG0000006109
ENSLACG0000006135	ENSLACP0000006911	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3AB90]	ENSLACG0000006135
ENSLACG0000006203	ENSLACP0000006986	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ABG5]	ENSLACG0000006203
ENSLACG0000006270	ENSLACP0000007065	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ABP4]	ENSLACG0000006270
ENSLACG0000006334	ENSLACP0000007139	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ABW8]	ENSLACG0000006334
ENSLACG0000006380	ENSLACP0000007190	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AC19]	ENSLACG0000006380
ENSLACG0000006476	ENSLACP0000007303	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ACD2]	ENSLACG0000006476
ENSLACG0000006478	ENSLACP0000007305	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ACD4]	ENSLACG0000006478
ENSLACG0000006491	ENSLACP0000007318	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ACE7]	ENSLACG0000006491
ENSLACG0000006518	ENSLACP0000007346	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ACH5]	ENSLACG0000006518
ENSLACG0000006559	ENSLACP0000007399	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ACM8]	ENSLACG0000006559
ENSLACG0000006587	ENSLACP0000007429	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ACD8]	ENSLACG0000006587
ENSLACG0000006772	ENSLACP0000007641	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ADC0]	ENSLACG0000006772
ENSLACG0000006793	ENSLACP0000007666	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ADE5]	ENSLACG0000006793
ENSLACG0000006798	ENSLACP0000007674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ADF3]	ENSLACG0000006798
ENSLACG0000006804	ENSLACP0000007680	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ADF9]	ENSLACG0000006804
ENSLACG0000006819	ENSLACP0000007697	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ADH6]	ENSLACG0000006819
ENSLACG0000006890	ENSLACP0000007780	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3ADQ9]	ENSLACG0000006890
ENSLACG0000006968	ENSLACP0000007871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AE00]	ENSLACG0000006968
ENSLACG0000006998	ENSLACP0000007908	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AE36]	ENSLACG0000006998
ENSLACG0000007023	ENSLACP0000007935	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3AE64]	ENSLACG0000007023
ENSLACG0000007052	ENSLACP0000007968	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AE97]	ENSLACG0000007052
ENSLACG0000007096	ENSLACP0000008018	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AEE7]	ENSLACG0000007096
ENSLACG0000007103	ENSLACP0000008026	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AEF5]	ENSLACG0000007103
ENSLACG0000007250	ENSLACP0000008188	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AEW7]	ENSLACG0000007250
ENSLACG0000007261	ENSLACP0000008202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AEY0]	ENSLACG0000007261
ENSLACG0000007306	ENSLACP0000008256	Taste receptor type 2	[Source:UniProtKB/TrEMBL;Acc:H3AF35]	ENSLACG0000007306
ENSLACG0000007308	ENSLACP0000008258	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AF37]	ENSLACG0000007308
ENSLACG0000007390	ENSLACP0000008349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AF48]	ENSLACG0000007390
ENSLACG0000007450	ENSLACP0000008415	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AF14]	ENSLACG0000007450
ENSLACG0000007538	ENSLACP0000008519	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AFU8]	ENSLACG0000007538
ENSLACG0000007610	ENSLACP0000008609	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AG38]	ENSLACG0000007610
ENSLACG0000007624	ENSLACP0000008626	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AG55]	ENSLACG0000007624
ENSLACG0000007667	ENSLACP0000008673	novel gene		ENSLACG0000007667
ENSLACG0000007699	ENSLACP0000008711	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AGE0]	ENSLACG0000007699
ENSLACG0000007770	ENSLACP0000008794	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AGM3]	ENSLACG0000007770
ENSLACG0000007824	ENSLACP0000008858	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AGT7]	ENSLACG0000007824
ENSLACG0000007857	ENSLACP0000008895	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AGX4]	ENSLACG0000007857
ENSLACG0000007866	ENSLACP0000008907	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AGY5]	ENSLACG0000007866
ENSLACG0000007929	ENSLACP0000008979	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AH58]	ENSLACG0000007929
ENSLACG0000007952	ENSLACP0000009007	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AH86]	ENSLACG0000007952
ENSLACG0000007957	ENSLACP0000009012	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AH91]	ENSLACG0000007957
ENSLACG0000008048	ENSLACP0000009117	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AHJ6]	ENSLACG0000008048
ENSLACG0000008178	ENSLACP0000009271	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3AIO0]	ENSLACG0000008178

Supplemental table 50. Medaka specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSORLG00000006668	ENSORLP00000008368	adrenomedullin 5 precursor [Source:RefSeq peptide;Acc:NP_001098363]	AM5
ENSORLG00000017224	ENSORLP00000021553	Putative ISG12(1) protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6IEB2]	ISG12(1)
ENSORLG00000015580	ENSORLP00000019508	Oryzias latipes metallothionein (LOC100049397), mRNA. [Source:RefSeq mRNA;Acc:NM_001104785]	MT
ENSORLG00000009596	ENSORLP00000012025	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSORLG00000012253	ENSORLP00000015331	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSORLG00000017706	ENSORLP00000022159	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSORLG00000000004	ENSORLP00000000005	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2R0]	ENSORLG00000000004
ENSORLG00000000014	ENSORLP00000000017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S2]	ENSORLG00000000014
ENSORLG00000000018	ENSORLP00000000020	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S4]	ENSORLG00000000018
ENSORLG00000000032	ENSORLP00000000040	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2U2]	ENSORLG00000000032
ENSORLG00000000082	ENSORLP00000000097	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2Z3]	ENSORLG00000000082
ENSORLG00000000124	ENSORLP00000000153	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L346]	ENSORLG00000000124
ENSORLG00000000127	ENSORLP00000000156	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L349]	ENSORLG00000000127
ENSORLG00000000132	ENSORLP00000000161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L353]	ENSORLG00000000132
ENSORLG00000000142	ENSORLP00000000172	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L362]	ENSORLG00000000142
ENSORLG00000000157	ENSORLP00000000189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L378]	ENSORLG00000000157
ENSORLG00000000170	ENSORLP00000000205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L393]	ENSORLG00000000170
ENSORLG00000000206	ENSORLP00000000252	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3D4]	ENSORLG00000000206
ENSORLG00000000237	ENSORLP00000000291	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3H0]	ENSORLG00000000237
ENSORLG00000000257	ENSORLP00000000317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3J4]	ENSORLG00000000257
ENSORLG00000000263	ENSORLP00000000323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2N0U3]	ENSORLG00000000263
ENSORLG00000000340	ENSORLP00000000412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3T2]	ENSORLG00000000340
ENSORLG00000000362	ENSORLP00000000441	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3W1]	ENSORLG00000000362
ENSORLG00000000404	ENSORLP00000000497	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L417]	ENSORLG00000000404
ENSORLG00000000407	ENSORLP00000000501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L421]	ENSORLG00000000407
ENSORLG00000000414	ENSORLP00000000510	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L429]	ENSORLG00000000414
ENSORLG00000000419	ENSORLP00000000516	Oryzias latipes uncharacterized LOC100049343 (LOC100049343), mRNA. [Source:RefSeq mRNA;Acc:NM_001104757]	ENSORLG00000000419
ENSORLG00000000422	ENSORLP00000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L437]	ENSORLG00000000422
ENSORLG00000000429	ENSORLP00000000530	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L447]	ENSORLG00000000429
ENSORLG00000000431	ENSORLP00000000532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L450]	ENSORLG00000000431
ENSORLG00000000504	ENSORLP00000000617	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4C7]	ENSORLG00000000504
ENSORLG00000000512	ENSORLP00000000627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4D6]	ENSORLG00000000512
ENSORLG00000000517	ENSORLP00000000633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E2]	ENSORLG00000000517
ENSORLG00000000537	ENSORLP00000000661	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4H0]	ENSORLG00000000537
ENSORLG00000000543	ENSORLP00000000667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4H5]	ENSORLG00000000543
ENSORLG00000000573	ENSORLP00000000703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4K8]	ENSORLG00000000573
ENSORLG00000000579	ENSORLP00000000710	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4L5]	ENSORLG00000000579
ENSORLG00000000596	ENSORLP00000000733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4N7]	ENSORLG00000000596
ENSORLG00000000597	ENSORLP00000000736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4P0]	ENSORLG00000000597
ENSORLG00000000667	ENSORLP00000000824	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4W9]	ENSORLG00000000667
ENSORLG00000000670	ENSORLP00000000826	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4X1]	ENSORLG00000000670
ENSORLG00000000673	ENSORLP00000000827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4X2]	ENSORLG00000000673
ENSORLG00000000684	ENSORLP00000000845	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4Z0]	ENSORLG00000000684
ENSORLG00000000717	ENSORLP00000000883	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L526]	ENSORLG00000000717
ENSORLG00000000764	ENSORLP00000000938	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L572]	ENSORLG00000000764
ENSORLG00000000789	ENSORLP00000000968	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5A1]	ENSORLG00000000789
ENSORLG00000000832	ENSORLP00000001021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5F1]	ENSORLG00000000832
ENSORLG00000000872	ENSORLP00000001066	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5J2]	ENSORLG00000000872
ENSORLG00000000877	ENSORLP00000001070	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5J4]	ENSORLG00000000877
ENSORLG00000000891	ENSORLP00000001087	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5K9]	ENSORLG00000000891
ENSORLG00000000904	ENSORLP00000001103	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5M3]	ENSORLG00000000904
ENSORLG00000000975	ENSORLP00000001189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5V2]	ENSORLG00000000975
ENSORLG00000000993	ENSORLP00000001214	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5X7]	ENSORLG00000000993
ENSORLG00000001007	ENSORLP00000001231	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L5Z2]	ENSORLG00000001007
ENSORLG00000001008	ENSORLP00000001240	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L601]	ENSORLG00000001008
ENSORLG00000001094	ENSORLP00000001352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2N0K7]	ENSORLG00000001094
ENSORLG00000001102	ENSORLP00000001362	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L6B6]	ENSORLG00000001102
ENSORLG00000001104	ENSORLP00000001364	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L6B8]	ENSORLG00000001104
ENSORLG00000001163	ENSORLP00000001430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L6I0]	ENSORLG00000001163
ENSORLG00000001204	ENSORLP00000001483	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L6N3]	ENSORLG00000001204
ENSORLG00000001333	ENSORLP00000001647	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L739]	ENSORLG00000001333
ENSORLG00000001362	ENSORLP00000001683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L773]	ENSORLG00000001362
ENSORLG00000001363	ENSORLP00000001685	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L775]	ENSORLG00000001363
ENSORLG00000001378	ENSORLP00000001704	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L794]	ENSORLG00000001378
ENSORLG00000001388	ENSORLP00000001714	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7A4]	ENSORLG00000001388
ENSORLG00000001400	ENSORLP00000001734	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7C4]	ENSORLG00000001400
ENSORLG00000001431	ENSORLP00000001768	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7F6]	ENSORLG00000001431
ENSORLG00000001441	ENSORLP00000001780	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7G8]	ENSORLG00000001441
ENSORLG00000001473	ENSORLP00000001821	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7K5]	ENSORLG00000001473
ENSORLG00000001506	ENSORLP00000001866	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7P9]	ENSORLG00000001506
ENSORLG00000001507	ENSORLP00000001867	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7Q0]	ENSORLG00000001507
ENSORLG00000001522	ENSORLP00000001885	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7R8]	ENSORLG00000001522
ENSORLG00000001564	ENSORLP00000001936	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L7W9]	ENSORLG00000001564
ENSORLG00000001610	ENSORLP00000001995	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L8Z6]	ENSORLG00000001610
ENSORLG00000001639	ENSORLP00000002036	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L866]	ENSORLG00000001639
ENSORLG00000001655	ENSORLP00000002052	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L882]	ENSORLG00000001655

Supplemental table 51. Platyfish specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSXMAG00000020801	ENSXMAP00000020460	ATP synthase F0 subunit 8 (mitochondrion) [Source:RefSeq peptide;Acc:YP_002286779]	ATP8
ENSXMAG00000009887	ENSXMAP00000009900	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSXMAG00000019686	ENSXMAP00000019733	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSXMAG00000007011	ENSXMAP00000007019	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	HHLA1
ENSXMAG00000016571	ENSXMAP00000016600	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSXMAG00000016739	ENSXMAP00000016768	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSXMAG00000010476	ENSXMAP00000010494	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSXMAG00000004196	ENSXMAP00000004196	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSXMAG00000018322	ENSXMAP00000018355	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSXMAG00000012076	ENSXMAP00000012092	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSXMAG00000007461	ENSXMAP00000007478	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSXMAG00000019953	ENSXMAP00000020000	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSXMAG00000019695	ENSXMAP00000019742	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMC04
ENSXMAG00000007851	ENSXMAP00000007867	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSXMAG00000000114	ENSXMAP00000000107	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZD15]	ENSXMAG00000000114
ENSXMAG00000000692	ENSXMAP00000000687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEP5]	ENSXMAG00000000692
ENSXMAG00000000879	ENSXMAP00000000871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZF79]	ENSXMAG00000000879
ENSXMAG00000002208	ENSXMAP00000002207	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZJ15]	ENSXMAG00000002208
ENSXMAG00000002612	ENSXMAP00000002610	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZK68]	ENSXMAG00000002612
ENSXMAG00000002700	ENSXMAP00000002699	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZKF7]	ENSXMAG00000002700
ENSXMAG00000003222	ENSXMAP00000003225	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZLY3]	ENSXMAG00000003222
ENSXMAG00000003239	ENSXMAP00000003244	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZM02]	ENSXMAG00000003239
ENSXMAG00000003408	ENSXMAP00000003414	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZMH1]	ENSXMAG00000003408
ENSXMAG00000003894	ENSXMAP00000003899	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZNV6]	ENSXMAG00000003894
ENSXMAG00000004129	ENSXMAP00000004130	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZP17]	ENSXMAG00000004129
ENSXMAG00000004346	ENSXMAP00000004352	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZQ59]	ENSXMAG00000004346
ENSXMAG00000004588	ENSXMAP00000004589	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZQU6]	ENSXMAG00000004588
ENSXMAG00000004836	ENSXMAP00000004843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZRK0]	ENSXMAG00000004836
ENSXMAG00000004884	ENSXMAP00000004893	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZRQ0]	ENSXMAG00000004884
ENSXMAG00000005873	ENSXMAP00000005884	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZUJ1]	ENSXMAG00000005873
ENSXMAG00000006961	ENSXMAP00000006968	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZXM4]	ENSXMAG00000006961
ENSXMAG00000007180	ENSXMAP00000007189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZY95]	ENSXMAG00000007180
ENSXMAG00000007462	ENSXMAP00000007481	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZZ37]	ENSXMAG00000007462
ENSXMAG00000007464	ENSXMAP00000007483	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZZ39]	ENSXMAG00000007464
ENSXMAG00000007466	ENSXMAP00000007485	novel gene	ENSXMAG00000007466
ENSXMAG00000008613	ENSXMAP00000008627	novel gene	ENSXMAG00000008613
ENSXMAG00000008694	ENSXMAP00000008712	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A2L8]	ENSXMAG00000008694
ENSXMAG00000008759	ENSXMAP00000008774	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A2T0]	ENSXMAG00000008759
ENSXMAG00000008897	ENSXMAP00000008913	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A369]	ENSXMAG00000008897
ENSXMAG00000008928	ENSXMAP00000008945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A3A1]	ENSXMAG00000008928
ENSXMAG00000009171	ENSXMAP00000009189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A3Z5]	ENSXMAG00000009171
ENSXMAG00000009219	ENSXMAP00000009238	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A444]	ENSXMAG00000009219
ENSXMAG00000009249	ENSXMAP00000009267	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A473]	ENSXMAG00000009249
ENSXMAG00000009788	ENSXMAP00000009803	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A5Q9]	ENSXMAG00000009788
ENSXMAG00000010529	ENSXMAP00000010548	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A7V4]	ENSXMAG00000010529
ENSXMAG00000011234	ENSXMAP00000011252	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A9V8]	ENSXMAG00000011234
ENSXMAG00000011314	ENSXMAP00000011329	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4A435]	ENSXMAG00000011314
ENSXMAG00000012020	ENSXMAP00000012036	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AC42]	ENSXMAG00000012020
ENSXMAG00000012316	ENSXMAP00000012327	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4ACY3]	ENSXMAG00000012316
ENSXMAG00000012534	ENSXMAP00000012548	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4ADK4]	ENSXMAG00000012534
ENSXMAG00000012724	ENSXMAP00000012746	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AE52]	ENSXMAG00000012724
ENSXMAG00000012785	ENSXMAP00000012806	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AEB2]	ENSXMAG00000012785
ENSXMAG00000013153	ENSXMAP00000013181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AFD7]	ENSXMAG00000013153
ENSXMAG00000013388	ENSXMAP00000013411	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AG17]	ENSXMAG00000013388
ENSXMAG00000013419	ENSXMAP00000013443	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AG49]	ENSXMAG00000013419
ENSXMAG00000014671	ENSXMAP00000014695	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AJQ1]	ENSXMAG00000014671
ENSXMAG00000015813	ENSXMAP00000015843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AMZ8]	ENSXMAG00000015813
ENSXMAG00000016532	ENSXMAP00000016560	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AQ15]	ENSXMAG00000016532
ENSXMAG00000017152	ENSXMAP00000017181	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4ART6]	ENSXMAG00000017152
ENSXMAG00000017222	ENSXMAP00000017254	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AS09]	ENSXMAG00000017222
ENSXMAG00000017821	ENSXMAP00000017855	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4ATR0]	ENSXMAG00000017821
ENSXMAG00000017824	ENSXMAP00000017857	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4ATR2]	ENSXMAG00000017824
ENSXMAG00000018705	ENSXMAP00000018743	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AW98]	ENSXMAG00000018705
ENSXMAG00000019035	ENSXMAP00000019071	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AX76]	ENSXMAG00000019035
ENSXMAG00000019421	ENSXMAP00000019468	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AYC3]	ENSXMAG00000019421
ENSXMAG00000019470	ENSXMAP00000019517	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AYH2]	ENSXMAG00000019470
ENSXMAG00000019588	ENSXMAP00000019635	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AYU0]	ENSXMAG00000019588
ENSXMAG00000019654	ENSXMAP00000019701	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AZ06]	ENSXMAG00000019654
ENSXMAG00000019698	ENSXMAP00000019745	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AZ50]	ENSXMAG00000019698
ENSXMAG00000019706	ENSXMAP00000019753	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AZ58]	ENSXMAG00000019706
ENSXMAG00000019718	ENSXMAP00000019765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AZ70]	ENSXMAG00000019718
ENSXMAG00000019763	ENSXMAP00000019810	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AZB5]	ENSXMAG00000019763
ENSXMAG00000019778	ENSXMAP00000019825	novel gene	ENSXMAG00000019778
ENSXMAG00000019947	ENSXMAP00000019994	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4AZU9]	ENSXMAG00000019947
ENSXMAG00000020051	ENSXMAP00000020098	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4B053]	ENSXMAG00000020051
ENSXMAG00000020187	ENSXMAP00000020234	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M4B019]	ENSXMAG00000020187

ENSXMAG00000020249	ENSXMAP00000020296	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Q1]	ENSXMAG00000020249
ENSXMAG00000020264	ENSXMAP00000020311	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0R5]	ENSXMAG00000020264
ENSXMAG00000020289	ENSXMAP00000020336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0U0]	ENSXMAG00000020289
ENSXMAG00000020292	ENSXMAP00000020339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0U3]	ENSXMAG00000020292
ENSXMAG00000020339	ENSXMAP00000020386	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Z0]	ENSXMAG00000020339
ENSXMAG00000020374	ENSXMAP00000020421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B124]	ENSXMAG00000020374
ENSXMAG00000020384	ENSXMAP00000020431	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B134]	ENSXMAG00000020384

Supplemental table 52. Spotted gar specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLOGG00000002481	ENSLOCP00000002907	BTB (POZ) domain containing 19 [Source:HGNC Symbol;Acc:HGNC:27145]	BTBD19
ENSLOGG00000018239	ENSLOCP00000022340	chromosome 10 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:20304]	C10orf105
ENSLOGG00000011540	ENSLOCP00000014177	chromosome 10 open reading frame 35 [Source:HGNC Symbol;Acc:HGNC:23519]	C10orf35
ENSLOGG00000009582	ENSLOCP00000011705	chromosome 10 open reading frame 82 [Source:HGNC Symbol;Acc:HGNC:28500]	C10orf82
ENSLOGG00000005251	ENSLOCP00000006322	chromosome 2 open reading frame 66 [Source:HGNC Symbol;Acc:HGNC:33809]	C2orf66
ENSLOGG00000015751	ENSLOCP00000019390	chromosome 3 open reading frame 20 [Source:HGNC Symbol;Acc:HGNC:25320]	C3orf20
ENSLOGG00000010350	ENSLOCP00000012685	chromosome 3 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:25190]	C3orf49
ENSLOGG00000017103	ENSLOCP00000021134	chromosome 7 open reading frame 73 [Source:HGNC Symbol;Acc:HGNC:41909]	C7orf73
ENSLOGG00000009971	ENSLOCP00000012189	chromosome 9 open reading frame 152 [Source:HGNC Symbol;Acc:HGNC:31455]	C9orf152
ENSLOGG00000006489	ENSLOCP00000007839	calcium binding tyrosine-(Y)-phosphorylation regulated [Source:HGNC Symbol;Acc:HGNC:15569]	CABYR
ENSLOGG00000009256	ENSLOCP00000011289	cathelicidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGNC:1472]	CAMP
ENSLOGG00000009280	ENSLOCP00000011319	CD47 molecule [Source:HGNC Symbol;Acc:HGNC:1682]	CD47
ENSLOGG00000002146	ENSLOCP00000002493	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defbl2
ENSLOGG00000004358	ENSLOCP00000005205	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSLOGG00000007266	ENSLOCP00000008786	family with sequence similarity 216, member A [Source:HGNC Symbol;Acc:HGNC:30180]	FAM216A
ENSLOGG00000009932	ENSLOCP00000012142	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSLOGG00000001484	ENSLOCP00000001692	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSLOGG00000008314	ENSLOCP00000010100	mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:7508]	MUC1
ENSLOGG00000000289	ENSLOCP00000000317	nexilin (F actin binding protein) [Source:ZFIN;Acc:ZDB-GENE-041114-92]	nexn
ENSLOGG00000013517	ENSLOCP00000016666	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSLOGG00000004947	ENSLOCP00000005948	prolactin releasing hormone [Source:HGNC Symbol;Acc:HGNC:17945]	PRLH
ENSLOGG00000015044	ENSLOCP00000018515	proline rich 21 [Source:HGNC Symbol;Acc:HGNC:33866]	PRR21
ENSLOGG00000001413	ENSLOCP00000001610	prothymosin, alpha [Source:HGNC Symbol;Acc:HGNC:9623]	PTMA
ENSLOGG00000009797	ENSLOCP00000011973	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSLOGG00000000566	ENSLOCP00000000624	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSLOGG00000016352	ENSLOCP00000020193	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSLOGG00000017238	ENSLOCP00000021321	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSLOGG00000002011	ENSLOCP00000002329	si:dkeyp-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkeyp-246j7.1
ENSLOGG00000009160	ENSLOCP00000011164	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSLOGG00000015014	ENSLOCP00000018483	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSLOGG00000006140	ENSLOCP00000007418	single-pass membrane protein with coiled-coil domains 1 [Source:HGNC Symbol;Acc:HGNC:27407]	SMCO1
ENSLOGG00000018191	ENSLOCP00000022292	single-pass membrane protein with coiled-coil domains 3 [Source:HGNC Symbol;Acc:HGNC:34401]	SMCO3
ENSLOGG00000008416	ENSLOCP00000010229	spermatogenesis and oogenesis specific basic helix-loop-helix 2 [Source:HGNC Symbol;Acc:HGNC:26026]	SOHLH2
ENSLOGG00000013602	ENSLOCP00000016770	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSLOGG00000006911	ENSLOCP00000008356	transmembrane protein 134 [Source:ZFIN;Acc:ZDB-GENE-040426-1345]	tmem134
ENSLOGG00000007434	ENSLOCP00000009016	transmembrane protein 212 [Source:HGNC Symbol;Acc:HGNC:34295]	TMEM212
ENSLOGG00000007457	ENSLOCP00000009047	tumor necrosis factor receptor superfamily, member 17 [Source:HGNC Symbol;Acc:HGNC:11913]	TNFRSF17
ENSLOGG00000009260	ENSLOCP00000011294	T cell receptor associated transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:30698]	TRAT1
ENSLOGG00000014894	ENSLOCP00000018338	zgc:158432 [Source:ZFIN;Acc:ZDB-GENE-061201-57]	zgc:158432
ENSLOGG00000000069	ENSLOCP00000000079	novel gene	ENSLOGG00000000069
ENSLOGG00000000129	ENSLOCP00000000141	novel gene	ENSLOGG00000000129
ENSLOGG000000000142	ENSLOCP00000000156	novel gene	ENSLOGG000000000142
ENSLOGG00000000148	ENSLOCP00000000164	novel gene	ENSLOGG00000000148
ENSLOGG00000000157	ENSLOCP00000000172	novel gene	ENSLOGG00000000157
ENSLOGG00000000161	ENSLOCP00000000176	novel gene	ENSLOGG00000000161
ENSLOGG00000000206	ENSLOCP00000000229	novel gene	ENSLOGG00000000206
ENSLOGG00000000210	ENSLOCP00000000232	novel gene	ENSLOGG00000000210
ENSLOGG00000000211	ENSLOCP00000000235	novel gene	ENSLOGG00000000211
ENSLOGG00000000231	ENSLOCP00000000255	novel gene	ENSLOGG00000000231
ENSLOGG00000000269	ENSLOCP00000000292	novel gene	ENSLOGG00000000269
ENSLOGG00000000293	ENSLOCP00000000321	novel gene	ENSLOGG00000000293
ENSLOGG00000000312	ENSLOCP00000000338	novel gene	ENSLOGG00000000312
ENSLOGG00000000329	ENSLOCP00000000354	novel gene	ENSLOGG00000000329
ENSLOGG00000000359	ENSLOCP00000000393	novel gene	ENSLOGG00000000359
ENSLOGG00000000397	ENSLOCP00000000432	novel gene	ENSLOGG00000000397
ENSLOGG00000000415	ENSLOCP00000000453	novel gene	ENSLOGG00000000415
ENSLOGG00000000417	ENSLOCP00000000455	novel gene	ENSLOGG00000000417
ENSLOGG00000000436	ENSLOCP00000000478	novel gene	ENSLOGG00000000436
ENSLOGG00000000479	ENSLOCP00000000525	novel gene	ENSLOGG00000000479
ENSLOGG00000000487	ENSLOCP00000000533	novel gene	ENSLOGG00000000487
ENSLOGG00000000500	ENSLOCP00000000550	novel gene	ENSLOGG00000000500
ENSLOGG00000000611	ENSLOCP00000000671	novel gene	ENSLOGG00000000611
ENSLOGG00000000613	ENSLOCP00000000675	novel gene	ENSLOGG00000000613
ENSLOGG00000000621	ENSLOCP00000000687	novel gene	ENSLOGG00000000621
ENSLOGG00000000644	ENSLOCP00000000711	novel gene	ENSLOGG00000000644
ENSLOGG00000000682	ENSLOCP00000000752	novel gene	ENSLOGG00000000682
ENSLOGG00000000784	ENSLOCP00000000869	novel gene	ENSLOGG00000000784
ENSLOGG00000000931	ENSLOCP0000001041	novel gene	ENSLOGG00000000931
ENSLOGG00000000945	ENSLOCP0000001050	novel gene	ENSLOGG00000000945
ENSLOGG00000000974	ENSLOCP0000001093	novel gene	ENSLOGG00000000974
ENSLOGG0000001039	ENSLOCP0000001162	novel gene	ENSLOGG0000001039
ENSLOGG0000001206	ENSLOCP0000001356	novel gene	ENSLOGG0000001206
ENSLOGG0000001225	ENSLOCP0000001386	novel gene	ENSLOGG0000001225
ENSLOGG0000001412	ENSLOCP0000001608	novel gene	ENSLOGG0000001412
ENSLOGG0000001450	ENSLOCP0000001650	novel gene	ENSLOGG0000001450
ENSLOGG0000001594	ENSLOCP0000001827	novel gene	ENSLOGG0000001594

ENSLOGG00000016206	ENSLOCP00000019976	novel gene	ENSLOGG00000016206
ENSLOGG00000016305	ENSLOCP00000020125	novel gene	ENSLOGG00000016305
ENSLOGG00000016715	ENSLOCP00000020656	novel gene	ENSLOGG00000016715
ENSLOGG00000016972	ENSLOCP00000020980	novel gene	ENSLOGG00000016972
ENSLOGG00000017261	ENSLOCP00000021349	novel gene	ENSLOGG00000017261
ENSLOGG00000017295	ENSLOCP00000021400	novel gene	ENSLOGG00000017295
ENSLOGG00000017304	ENSLOCP00000021409	novel gene	ENSLOGG00000017304
ENSLOGG00000017438	ENSLOCP00000021543	novel gene	ENSLOGG00000017438
ENSLOGG00000017468	ENSLOCP00000021573	novel gene	ENSLOGG00000017468
ENSLOGG00000017508	ENSLOCP00000021613	novel gene	ENSLOGG00000017508
ENSLOGG00000017592	ENSLOCP00000021697	novel gene	ENSLOGG00000017592
ENSLOGG00000017598	ENSLOCP00000021703	novel gene	ENSLOGG00000017598
ENSLOGG00000017612	ENSLOCP00000021717	novel gene	ENSLOGG00000017612
ENSLOGG00000017622	ENSLOCP00000021727	novel gene	ENSLOGG00000017622
ENSLOGG00000017658	ENSLOCP00000021763	novel gene	ENSLOGG00000017658
ENSLOGG00000017819	ENSLOCP00000021923	novel gene	ENSLOGG00000017819
ENSLOGG00000017855	ENSLOCP00000021958	novel gene	ENSLOGG00000017855
ENSLOGG00000017964	ENSLOCP00000022067	novel gene	ENSLOGG00000017964
ENSLOGG00000017976	ENSLOCP00000022077	novel gene	ENSLOGG00000017976
ENSLOGG00000017986	ENSLOCP00000022087	novel gene	ENSLOGG00000017986
ENSLOGG00000018016	ENSLOCP00000022117	novel gene	ENSLOGG00000018016
ENSLOGG00000018073	ENSLOCP00000022174	novel gene	ENSLOGG00000018073
ENSLOGG00000018115	ENSLOCP00000022216	novel gene	ENSLOGG00000018115
ENSLOGG00000018160	ENSLOCP00000022261	novel gene	ENSLOGG00000018160
ENSLOGG00000018204	ENSLOCP00000022305	novel gene	ENSLOGG00000018204
ENSLOGG00000018222	ENSLOCP00000022323	novel gene	ENSLOGG00000018222
ENSLOGG00000018293	ENSLOCP00000022394	novel gene	ENSLOGG00000018293

Supplemental table 53. Stickleback specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGACG00000001538	ENSGACP00000002003	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSGACG00000002057	ENSGACP00000021719	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSGACG00000002038	ENSGACP00000002642	si:ch211-13315.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-13315.7
ENSGACG000000012198	ENSGACP000000016139	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGACG00000003568	ENSGACP00000004671	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSGACG00000000048	ENSGACP00000000063	novel gene	ENSGACG00000000048
ENSGACG00000000058	ENSGACP00000000076	novel gene	ENSGACG00000000058
ENSGACG00000000076	ENSGACP00000000093	novel gene	ENSGACG00000000076
ENSGACG00000000153	ENSGACP00000000203	novel gene	ENSGACG00000000153
ENSGACG00000000192	ENSGACP00000000250	novel gene	ENSGACG00000000192
ENSGACG00000000202	ENSGACP00000000260	novel gene	ENSGACG00000000202
ENSGACG00000000217	ENSGACP00000000281	novel gene	ENSGACG00000000217
ENSGACG00000000222	ENSGACP00000000287	novel gene	ENSGACG00000000222
ENSGACG00000000285	ENSGACP00000000359	novel gene	ENSGACG00000000285
ENSGACG00000000296	ENSGACP00000000377	novel gene	ENSGACG00000000296
ENSGACG00000000305	ENSGACP00000000386	novel gene	ENSGACG00000000305
ENSGACG00000000343	ENSGACP00000000433	novel gene	ENSGACG00000000343
ENSGACG00000000375	ENSGACP00000000480	novel gene	ENSGACG00000000375
ENSGACG00000000430	ENSGACP00000000551	novel gene	ENSGACG00000000430
ENSGACG00000000432	ENSGACP00000000553	novel gene	ENSGACG00000000432
ENSGACG00000000509	ENSGACP00000000652	novel gene	ENSGACG00000000509
ENSGACG00000000533	ENSGACP00000000684	novel gene	ENSGACG00000000533
ENSGACG00000000546	ENSGACP00000000704	novel gene	ENSGACG00000000546
ENSGACG00000000593	ENSGACP00000000762	novel gene	ENSGACG00000000593
ENSGACG00000000606	ENSGACP00000000779	novel gene	ENSGACG00000000606
ENSGACG00000000621	ENSGACP00000000802	novel gene	ENSGACG00000000621
ENSGACG00000000736	ENSGACP00000000949	novel gene	ENSGACG00000000736
ENSGACG00000000780	ENSGACP00000001003	novel gene	ENSGACG00000000780
ENSGACG00000000808	ENSGACP00000001036	novel gene	ENSGACG00000000808
ENSGACG00000000837	ENSGACP00000001083	novel gene	ENSGACG00000000837
ENSGACG00000000881	ENSGACP00000001143	novel gene	ENSGACG00000000881
ENSGACG00000000889	ENSGACP00000001149	novel gene	ENSGACG00000000889
ENSGACG00000000894	ENSGACP00000001157	novel gene	ENSGACG00000000894
ENSGACG00000000952	ENSGACP00000001224	novel gene	ENSGACG00000000952
ENSGACG00000000971	ENSGACP00000001252	novel gene	ENSGACG00000000971
ENSGACG00000000981	ENSGACP00000001266	novel gene	ENSGACG00000000981
ENSGACG00000001010	ENSGACP00000001309	novel gene	ENSGACG00000001010
ENSGACG00000001012	ENSGACP00000001311	novel gene	ENSGACG00000001012
ENSGACG00000001031	ENSGACP00000001334	novel gene	ENSGACG00000001031
ENSGACG00000001073	ENSGACP00000001383	novel gene	ENSGACG00000001073
ENSGACG00000001075	ENSGACP00000001385	novel gene	ENSGACG00000001075
ENSGACG00000001079	ENSGACP00000001392	novel gene	ENSGACG00000001079
ENSGACG00000001230	ENSGACP00000001594	novel gene	ENSGACG00000001230
ENSGACG00000001231	ENSGACP00000001599	novel gene	ENSGACG00000001231
ENSGACG00000001307	ENSGACP00000001700	novel gene	ENSGACG00000001307
ENSGACG00000001342	ENSGACP00000001740	novel gene	ENSGACG00000001342
ENSGACG00000001356	ENSGACP00000001757	novel gene	ENSGACG00000001356
ENSGACG00000001359	ENSGACP00000001759	novel gene	ENSGACG00000001359
ENSGACG00000001436	ENSGACP00000001856	novel gene	ENSGACG00000001436
ENSGACG00000001460	ENSGACP00000001888	novel gene	ENSGACG00000001460
ENSGACG00000001485	ENSGACP00000001926	novel gene	ENSGACG00000001485
ENSGACG00000001533	ENSGACP00000001998	novel gene	ENSGACG00000001533
ENSGACG00000001543	ENSGACP00000002015	novel gene	ENSGACG00000001543
ENSGACG00000001570	ENSGACP00000002052	novel gene	ENSGACG00000001570
ENSGACG00000001598	ENSGACP00000002086	novel gene	ENSGACG00000001598
ENSGACG00000001624	ENSGACP00000002120	novel gene	ENSGACG00000001624
ENSGACG00000001627	ENSGACP00000002123	novel gene	ENSGACG00000001627
ENSGACG00000001633	ENSGACP00000002131	novel gene	ENSGACG00000001633
ENSGACG00000001708	ENSGACP00000002224	novel gene	ENSGACG00000001708
ENSGACG00000001713	ENSGACP00000002230	novel gene	ENSGACG00000001713
ENSGACG00000001750	ENSGACP00000002276	novel gene	ENSGACG00000001750
ENSGACG00000001752	ENSGACP00000002279	novel gene	ENSGACG00000001752
ENSGACG00000001787	ENSGACP00000002319	novel gene	ENSGACG00000001787
ENSGACG00000001813	ENSGACP00000002356	novel gene	ENSGACG00000001813
ENSGACG00000001867	ENSGACP00000002419	novel gene	ENSGACG00000001867
ENSGACG00000001922	ENSGACP00000002494	novel gene	ENSGACG00000001922
ENSGACG00000002027	ENSGACP00000002631	novel gene	ENSGACG00000002027
ENSGACG00000002047	ENSGACP00000002655	novel gene	ENSGACG00000002047
ENSGACG00000002057	ENSGACP00000002670	novel gene	ENSGACG00000002057
ENSGACG00000002105	ENSGACP00000002734	novel gene	ENSGACG00000002105
ENSGACG00000002119	ENSGACP00000002750	novel gene	ENSGACG00000002119
ENSGACG00000002148	ENSGACP00000002788	novel gene	ENSGACG00000002148
ENSGACG00000002166	ENSGACP00000002810	novel gene	ENSGACG00000002166
ENSGACG00000002238	ENSGACP00000002904	novel gene	ENSGACG00000002238
ENSGACG00000002281	ENSGACP00000002965	novel gene	ENSGACG00000002281
ENSGACG00000002285	ENSGACP00000002967	novel gene	ENSGACG00000002285

ENSGACG00000020448	ENSGACP00000027040	novel gene	ENSGACG00000020448
ENSGACG00000020490	ENSGACP00000027096	novel gene	ENSGACG00000020490
ENSGACG00000020491	ENSGACP00000027097	novel gene	ENSGACG00000020491
ENSGACG00000020496	ENSGACP00000027103	novel gene	ENSGACG00000020496
ENSGACG00000020611	ENSGACP00000027261	novel gene	ENSGACG00000020611
ENSGACG00000020648	ENSGACP00000027310	novel gene	ENSGACG00000020648
ENSGACG00000020670	ENSGACP00000027336	novel gene	ENSGACG00000020670
ENSGACG00000020772	ENSGACP00000027465	novel gene	ENSGACG00000020772
ENSGACG00000020782	ENSGACP00000027478	novel gene	ENSGACG00000020782
ENSGACG00000020806	ENSGACP00000027508	novel gene	ENSGACG00000020806
ENSGACG00000020828	ENSGACP00000027537	novel gene	ENSGACG00000020828
ENSGACG00000020833	ENSGACP00000027544	novel gene	ENSGACG00000020833
ENSGACG00000020852	ENSGACP00000027570	novel gene	ENSGACG00000020852
ENSGACG00000020860	ENSGACP00000027581	novel gene	ENSGACG00000020860
ENSGACG00000020881	ENSGACP00000027609	novel gene	ENSGACG00000020881
ENSGACG00000020882	ENSGACP00000027610	novel gene	ENSGACG00000020882
ENSGACG00000020891	ENSGACP00000027625	novel gene	ENSGACG00000020891
ENSGACG00000020893	ENSGACP00000027627	novel gene	ENSGACG00000020893
ENSGACG00000020898	ENSGACP00000027632	novel gene	ENSGACG00000020898

Supplemental table 54. Tetraodon specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTNIG00000014252	ENSTNIP00000017266	Chromosome undetermined SCAF14965, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RZ56]	C3ORF14
ENSTNIG00000014760	ENSTNIP00000017797	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSTNIG00000012623	ENSTNIP00000015595	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSTNIG00000005528	ENSTNIP00000023001	lysine (K)-specific demethylase 6B, b [Source:ZFIN;Acc:ZDB-GENE-040724-166]	kdm6bb
ENSTNIG00000004037	ENSTNIP00000006647	Chromosome undetermined SCAF9059, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4T5X0]	MPLKIP
ENSTNIG00000008823	ENSTNIP00000011674	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTNIG00000012654	ENSTNIP00000015627	PRKC, apoptosis, WT1, regulator [Source:ZFIN;Acc:ZDB-GENE-041010-108]	pawr
ENSTNIG00000001517	ENSTNIP00000002193	pancreatic progenitor cell differentiation and proliferation factor b [Source:ZFIN;Acc:ZDB-GENE-030131-8247]	ppdpfb
ENSTNIG00000004240	ENSTNIP00000006865	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSTNIG00000012508	ENSTNIP00000001645	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSTNIG00000017478	ENSTNIP00000020622	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSTNIG00000001371	ENSTNIP00000000016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVK4]	ENSTNIG00000001371
ENSTNIG00000000869	ENSTNIP00000000085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BV53]	ENSTNIG00000000869
ENSTNIG00000001734	ENSTNIP00000000118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVV6]	ENSTNIG00000001734
ENSTNIG00000001579	ENSTNIP00000000150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYV8]	ENSTNIG00000001579
ENSTNIG00000000461	ENSTNIP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW07]	ENSTNIG00000000461
ENSTNIG00000000405	ENSTNIP00000000243	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW11]	ENSTNIG00000000405
ENSTNIG00000001434	ENSTNIP00000000263	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWA1]	ENSTNIG00000001434
ENSTNIG00000000424	ENSTNIP00000000380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWL8]	ENSTNIG00000000424
ENSTNIG00000001341	ENSTNIP00000000385	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWM3]	ENSTNIG00000001341
ENSTNIG00000000734	ENSTNIP00000000408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWP5]	ENSTNIG00000000734
ENSTNIG00000001737	ENSTNIP00000000431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW81]	ENSTNIG00000001737
ENSTNIG00000001617	ENSTNIP00000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX05]	ENSTNIG00000001617
ENSTNIG00000000525	ENSTNIP00000000522	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX09]	ENSTNIG00000000525
ENSTNIG00000001615	ENSTNIP00000000558	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX45]	ENSTNIG00000001615
ENSTNIG00000000910	ENSTNIP00000000594	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX81]	ENSTNIG00000000910
ENSTNIG00000000683	ENSTNIP00000000620	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXA7]	ENSTNIG00000000683
ENSTNIG00000000317	ENSTNIP00000000665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYF2]	ENSTNIG00000000317
ENSTNIG00000000066	ENSTNIP00000000688	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXH5]	ENSTNIG00000000066
ENSTNIG00000001271	ENSTNIP00000000818	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXV5]	ENSTNIG00000001271
ENSTNIG00000001261	ENSTNIP00000000890	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BY25]	ENSTNIG00000001261
ENSTNIG00000001108	ENSTNIP00000000961	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BY96]	ENSTNIG00000001108
ENSTNIG00000000030	ENSTNIP00000001069	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYK3]	ENSTNIG00000000030
ENSTNIG00000000369	ENSTNIP00000001114	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYP8]	ENSTNIG00000000369
ENSTNIG00000000733	ENSTNIP00000001117	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYQ1]	ENSTNIG00000000733
ENSTNIG00000000794	ENSTNIP00000001169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYV3]	ENSTNIG00000000794
ENSTNIG00000000964	ENSTNIP00000001192	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYX6]	ENSTNIG00000000964
ENSTNIG00000000759	ENSTNIP00000001248	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZ32]	ENSTNIG00000000759
ENSTNIG00000001373	ENSTNIP00000001297	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZ81]	ENSTNIG00000001373
ENSTNIG00000000096	ENSTNIP00000001331	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZB5]	ENSTNIG00000000096
ENSTNIG00000000554	ENSTNIP00000001390	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZH4]	ENSTNIG00000000554
ENSTNIG00000000786	ENSTNIP00000001666	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C0A0]	ENSTNIG00000000786
ENSTNIG00000000475	ENSTNIP00000001746	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C0I0]	ENSTNIG00000000475
ENSTNIG00000001266	ENSTNIP00000001812	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C0P6]	ENSTNIG00000001266
ENSTNIG00000001481	ENSTNIP00000001843	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C0S7]	ENSTNIG00000001481
ENSTNIG00000000671	ENSTNIP00000001862	novel gene	ENSTNIG00000000671
ENSTNIG00000000088	ENSTNIP00000001922	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C106]	ENSTNIG00000000088
ENSTNIG000000017218	ENSTNIP00000001963	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C147]	ENSTNIG000000017218
ENSTNIG00000001179	ENSTNIP00000002057	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1E1]	ENSTNIG00000001179
ENSTNIG00000000206	ENSTNIP00000002099	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1I3]	ENSTNIG00000000206
ENSTNIG00000001528	ENSTNIP00000002106	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1J0]	ENSTNIG00000001528
ENSTNIG00000000400	ENSTNIP00000002127	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1L1]	ENSTNIG00000000400
ENSTNIG00000001346	ENSTNIP00000002208	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1U1]	ENSTNIG00000001346
ENSTNIG00000001707	ENSTNIP00000002210	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1U3]	ENSTNIG00000001707
ENSTNIG00000000991	ENSTNIP00000002246	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C1X9]	ENSTNIG00000000991
ENSTNIG00000000051	ENSTNIP00000002307	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C239]	ENSTNIG00000000051
ENSTNIG00000000286	ENSTNIP00000002370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2A2]	ENSTNIG00000000286
ENSTNIG00000001479	ENSTNIP00000002386	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWQ0]	ENSTNIG00000001479
ENSTNIG00000001020	ENSTNIP00000002404	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2D6]	ENSTNIG00000001020
ENSTNIG00000001618	ENSTNIP00000002416	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2E8]	ENSTNIG00000001618
ENSTNIG00000001720	ENSTNIP00000002527	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C122]	ENSTNIG00000001720
ENSTNIG00000001466	ENSTNIP00000002544	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2S6]	ENSTNIG00000001466
ENSTNIG00000000300	ENSTNIP00000002566	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2U8]	ENSTNIG00000000300
ENSTNIG00000000592	ENSTNIP00000002615	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C2Z7]	ENSTNIG00000000592
ENSTNIG00000000117	ENSTNIP00000002693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C344]	ENSTNIG00000000117
ENSTNIG00000001732	ENSTNIP00000002776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3F7]	ENSTNIG00000001732
ENSTNIG00000000625	ENSTNIP00000002902	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3T2]	ENSTNIG00000000625
ENSTNIG00000001011	ENSTNIP00000002906	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3T7]	ENSTNIG00000001011
ENSTNIG00000000024	ENSTNIP00000002907	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3T8]	ENSTNIG00000000024
ENSTNIG00000000367	ENSTNIP00000002937	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3W8]	ENSTNIG00000000367
ENSTNIG00000000965	ENSTNIP00000002964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C3Z5]	ENSTNIG00000000965
ENSTNIG00000000068	ENSTNIP00000002984	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C415]	ENSTNIG00000000068
ENSTNIG00000002691	ENSTNIP00000003047	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C478]	ENSTNIG00000002691
ENSTNIG00000000380	ENSTNIP00000003082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C4B3]	ENSTNIG00000000380

ENSTNIG0000001643	ENSTNIP00000003126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4F7]	ENSTNIG0000001643
ENSTNIG0000000031	ENSTNIP00000003158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4I9]	ENSTNIG0000000031
ENSTNIG0000000983	ENSTNIP00000003218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4P9]	ENSTNIG0000000983
ENSTNIG0000001474	ENSTNIP00000003234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4R5]	ENSTNIG0000001474
ENSTNIG0000001514	ENSTNIP00000003236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4R7]	ENSTNIG0000001514
ENSTNIG0000000002	ENSTNIP00000003408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C589]	ENSTNIG0000000002
ENSTNIG0000001301	ENSTNIP00000003458	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5D9]	ENSTNIG0000001301
ENSTNIG0000000958	ENSTNIP00000003501	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I2]	ENSTNIG0000000958
ENSTNIG0000001433	ENSTNIP00000003504	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I5]	ENSTNIG0000001433
ENSTNIG0000001507	ENSTNIP00000003544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXX1]	ENSTNIG0000001507
ENSTNIG00000003659	ENSTNIP00000003639	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXA6]	ENSTNIG00000003659
ENSTNIG0000000668	ENSTNIP00000003674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C604]	ENSTNIG0000000668
ENSTNIG0000001823	ENSTNIP00000003680	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZR4]	ENSTNIG0000001823
ENSTNIG0000000481	ENSTNIP00000003721	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C651]	ENSTNIG0000000481
ENSTNIG0000001666	ENSTNIP00000003897	novel gene		ENSTNIG0000001666
ENSTNIG0000001616	ENSTNIP00000003928	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYL4]	ENSTNIG0000001616
ENSTNIG0000000679	ENSTNIP00000003976	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6V5]	ENSTNIG0000000679
ENSTNIG0000000504	ENSTNIP00000004101	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C780]	ENSTNIG0000000504
ENSTNIG0000001875	ENSTNIP00000004250	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7M8]	ENSTNIG0000001875
ENSTNIG0000001893	ENSTNIP00000004268	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7P6]	ENSTNIG0000001893
ENSTNIG0000001972	ENSTNIP00000004369	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7Z7]	ENSTNIG0000001972
ENSTNIG0000002079	ENSTNIP00000004510	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8D8]	ENSTNIG0000002079
ENSTNIG0000000078	ENSTNIP00000004678	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZG8]	ENSTNIG0000000078
ENSTNIG0000002238	ENSTNIP00000004698	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8X6]	ENSTNIG0000002238
ENSTNIG0000002283	ENSTNIP00000004756	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C934]	ENSTNIG0000002283
ENSTNIG0000002324	ENSTNIP00000004809	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3I6]	ENSTNIG0000002324
ENSTNIG0000002326	ENSTNIP00000004811	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C989]	ENSTNIG0000002326
ENSTNIG0000002835	ENSTNIP00000005400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAX8]	ENSTNIG0000002835
ENSTNIG0000002842	ENSTNIP00000005407	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAV5]	ENSTNIG0000002842
ENSTNIG00000003244	ENSTNIP00000005827	Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T9A1]	ENSTNIG00000003244
ENSTNIG00000003245	ENSTNIP00000005828	Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T9A0]	ENSTNIG00000003245
ENSTNIG00000003329	ENSTNIP00000005915	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CCE3]	ENSTNIG00000003329
ENSTNIG00000003750	ENSTNIP00000006350	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDM7]	ENSTNIG00000003750
ENSTNIG00000003796	ENSTNIP00000006396	Chromosome 2 SCAF8387, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T713]	ENSTNIG00000003796
ENSTNIG00000003912	ENSTNIP00000006519	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE45]	ENSTNIG00000003912
ENSTNIG00000004070	ENSTNIP00000006681	Chromosome undetermined SCAF9151, whole genome shotgun sequence.; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T5R4]	ENSTNIG00000004070
ENSTNIG00000004272	ENSTNIP00000006901	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CF77]	ENSTNIG00000004272
ENSTNIG00000004625	ENSTNIP00000007276	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CG99]	ENSTNIG00000004625
ENSTNIG00000004965	ENSTNIP00000007630	Chromosome undetermined SCAF10538, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T1N3]	ENSTNIG00000004965
ENSTNIG00000005236	ENSTNIP00000007913	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY40]	ENSTNIG00000005236
ENSTNIG00000005240	ENSTNIP00000007917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7H3]	ENSTNIG00000005240
ENSTNIG00000005294	ENSTNIP00000007974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXB9]	ENSTNIG00000005294
ENSTNIG00000005408	ENSTNIP00000008094	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1L6]	ENSTNIG00000005408
ENSTNIG00000005637	ENSTNIP00000008342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIB3]	ENSTNIG00000005637
ENSTNIG00000005812	ENSTNIP00000008534	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T5]	ENSTNIG00000005812
ENSTNIG00000005939	ENSTNIP00000008674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CK95]	ENSTNIG00000005939
ENSTNIG00000005958	ENSTNIP00000008693	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKB4]	ENSTNIG00000005958
ENSTNIG00000005972	ENSTNIP00000008709	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKD0]	ENSTNIG00000005972
ENSTNIG00000006087	ENSTNIP00000008831	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKQ2]	ENSTNIG00000006087
ENSTNIG00000006170	ENSTNIP00000008918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKY9]	ENSTNIG00000006170
ENSTNIG00000006223	ENSTNIP00000008973	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CL44]	ENSTNIG00000006223
ENSTNIG00000006275	ENSTNIP00000009034	Chromosome undetermined SCAF13751, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SVM3]	ENSTNIG00000006275
ENSTNIG00000006419	ENSTNIP00000009187	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLQ8]	ENSTNIG00000006419
ENSTNIG00000006510	ENSTNIP00000009280	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CM00]	ENSTNIG00000006510
ENSTNIG00000006614	ENSTNIP00000009391	Chromosome undetermined SCAF14010, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SU61]	ENSTNIG00000006614
ENSTNIG00000006852	ENSTNIP00000009645	Chromosome undetermined SCAF14317, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4ST21]	ENSTNIG00000006852
ENSTNIG00000006983	ENSTNIP00000009783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CNF2]	ENSTNIG00000006983
ENSTNIG00000007245	ENSTNIP00000010048	Chromosome undetermined SCAF14526, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SRG5]	ENSTNIG00000007245
ENSTNIG00000007269	ENSTNIP00000010073	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CP90]	ENSTNIG00000007269
ENSTNIG00000007393	ENSTNIP00000010199	Chromosome 1 SCAF14529, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SQV7]	ENSTNIG00000007393
ENSTNIG00000007618	ENSTNIP00000010433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG00000007618
ENSTNIG00000007640	ENSTNIP00000010455	Chromosome 7 SCAF14536, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SPX3]	ENSTNIG00000007640
ENSTNIG00000007808	ENSTNIP00000010628	Chromosome 15 SCAF14542, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SP95]	ENSTNIG00000007808
ENSTNIG00000008009	ENSTNIP00000010831	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CRE7]	ENSTNIG00000008009
ENSTNIG00000008071	ENSTNIP00000011551	Chromosome undetermined SCAF14565, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SKU5]	ENSTNIG00000008071

ENSTNIG00000009118	ENSTNIP00000011978	Chromosome 4 SCAF14575, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SJ74]	ENSTNIG00000009118
ENSTNIG00000009160	ENSTNIP00000012021	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CUT7]	ENSTNIG00000009160
ENSTNIG00000009422	ENSTNIP00000012292	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CVK8]	ENSTNIG00000009422
ENSTNIG00000009760	ENSTNIP00000012647	Chromosome 3 SCAF14593, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q45GN1]	ENSTNIG00000009760
ENSTNIG00000009813	ENSTNIP00000012701	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CWR7]	ENSTNIG00000009813
ENSTNIG00000009932	ENSTNIP00000012824	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CX39]	ENSTNIG00000009932
ENSTNIG00000010155	ENSTNIP00000013053	Chromosome undetermined SCAF14608, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SF58]	ENSTNIG00000010155
ENSTNIG00000010455	ENSTNIP00000013364	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYM9]	ENSTNIG00000010455
ENSTNIG00000010491	ENSTNIP00000013400	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CYR5]	ENSTNIG00000010491
ENSTNIG00000010566	ENSTNIP00000013478	Chromosome 18 SCAF14637, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SDK4]	ENSTNIG00000010566
ENSTNIG00000010567	ENSTNIP00000013479	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CVZ4]	ENSTNIG00000010567
ENSTNIG00000010740	ENSTNIP00000013660	Chromosome 14 SCAF14646, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SCX2]	ENSTNIG00000010740
ENSTNIG00000010799	ENSTNIP00000013724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3CZN8]	ENSTNIG00000010799
ENSTNIG00000010833	ENSTNIP00000013763	Chromosome undetermined SCAF14653, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SC15]	ENSTNIG00000010833
ENSTNIG00000011040	ENSTNIP00000013975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0D9]	ENSTNIG00000011040
ENSTNIG00000011054	ENSTNIP00000013990	Chromosome 15 SCAF14667, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SBN6]	ENSTNIG00000011054
ENSTNIG00000011059	ENSTNIP00000013995	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D0F9]	ENSTNIG00000011059
ENSTNIG00000011246	ENSTNIP00000014185	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SAY6]	ENSTNIG00000011246
ENSTNIG00000011642	ENSTNIP00000014594	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D256]	ENSTNIG00000011642
ENSTNIG00000011730	ENSTNIP00000014681	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D2E3]	ENSTNIG00000011730
ENSTNIG00000011913	ENSTNIP00000014872	Chromosome undetermined SCAF14706, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S8C7]	ENSTNIG00000011913
ENSTNIG00000012292	ENSTNIP00000015260	Chromosome 14 SCAF14723, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S6V1]	ENSTNIG00000012292
ENSTNIG00000012532	ENSTNIP00000015501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D4R2]	ENSTNIG00000012532
ENSTNIG00000012920	ENSTNIP00000015900	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D5W0]	ENSTNIG00000012920
ENSTNIG00000013109	ENSTNIP00000016090	novel gene	ENSTNIG00000013109
ENSTNIG00000013142	ENSTNIP00000016124	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D6I4]	ENSTNIG00000013142
ENSTNIG00000013300	ENSTNIP00000016290	Chromosome 8 SCAF14759, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S2X2]	ENSTNIG00000013300
ENSTNIG00000013684	ENSTNIP00000016684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D843]	ENSTNIG00000013684
ENSTNIG00000013724	ENSTNIP00000016725	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D884]	ENSTNIG00000013724
ENSTNIG00000013893	ENSTNIP00000016898	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S0L5]	ENSTNIG00000013893
ENSTNIG00000013895	ENSTNIP00000016900	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S0L3]	ENSTNIG00000013895
ENSTNIG00000013922	ENSTNIP00000016927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D8T6]	ENSTNIG00000013922
ENSTNIG00000014457	ENSTNIP00000017476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DAD5]	ENSTNIG00000014457
ENSTNIG00000014830	ENSTNIP00000017871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBH9]	ENSTNIG00000014830
ENSTNIG00000014897	ENSTNIP00000017941	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBP8]	ENSTNIG00000014897
ENSTNIG00000015361	ENSTNIP00000018425	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD32]	ENSTNIG00000015361
ENSTNIG00000015376	ENSTNIP00000018440	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWE6]	ENSTNIG00000015376
ENSTNIG0000000298	ENSTNIP00000018516	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DDC3]	ENSTNIG0000000298
ENSTNIG00000015712	ENSTNIP00000018787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DE44]	ENSTNIG00000015712
ENSTNIG00000015722	ENSTNIP00000018797	Chromosome 1 SCAF14998, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RTI4]	ENSTNIG00000015722
ENSTNIG00000015963	ENSTNIP00000019051	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEV7]	ENSTNIG00000015963
ENSTNIG00000015996	ENSTNIP00000019085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEZ1]	ENSTNIG00000015996
ENSTNIG00000016177	ENSTNIP00000019268	Chromosome 16 SCAF15002, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RRT3]	ENSTNIG00000016177
ENSTNIG00000016787	ENSTNIP00000019901	novel gene	ENSTNIG00000016787
ENSTNIG00000016868	ENSTNIP00000019981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHI7]	ENSTNIG00000016868
ENSTNIG00000017047	ENSTNIP00000020175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DI31]	ENSTNIG00000017047
ENSTNIG00000017170	ENSTNIP00000020307	Chromosome 3 SCAF15018, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RMU0]	ENSTNIG00000017170
ENSTNIG00000017637	ENSTNIP00000020785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DJT9]	ENSTNIG00000017637
ENSTNIG00000017724	ENSTNIP00000020874	Chromosome 18 SCAF15027, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RKM3]	ENSTNIG00000017724
ENSTNIG00000017956	ENSTNIP00000021118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKS1]	ENSTNIG00000017956
ENSTNIG00000017986	ENSTNIP00000021150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKV2]	ENSTNIG00000017986
ENSTNIG00000018458	ENSTNIP00000021632	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RHU0]	ENSTNIG00000018458
ENSTNIG00000018510	ENSTNIP00000021684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DMD6]	ENSTNIG00000018510
ENSTNIG00000018676	ENSTNIP00000021853	Chromosome undetermined SCAF15077, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RH08]	ENSTNIG00000018676
ENSTNIG00000018711	ENSTNIP00000021890	Chromosome undetermined SCAF15091, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RGV8]	ENSTNIG00000018711
ENSTNIG00000018861	ENSTNIP00000022046	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNE7]	ENSTNIG00000018861
ENSTNIG00000018978	ENSTNIP00000022166	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNR7]	ENSTNIG00000018978
ENSTNIG00000019146	ENSTNIP00000022343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DP94]	ENSTNIG00000019146

ENSTNIG00000019233	ENSTNIP00000022433	Chromosome 13 SCAF15122, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RET8]	ENSTNIG00000019233
ENSTNIG00000019242	ENSTNIP00000022442	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DPJ3]	ENSTNIG00000019242
ENSTNIG00000019426	ENSTNIP00000022633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ34]	ENSTNIG00000019426
ENSTNIG00000019427	ENSTNIP00000022634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ35]	ENSTNIG00000019427
ENSTNIG00000019442	ENSTNIP00000022655	Chromosome undetermined SCAF17131, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RD86]	ENSTNIG00000019442
ENSTNIG00000019498	ENSTNIP00000022717	Chromosome undetermined SCAF18655, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RCK9]	ENSTNIG00000019498
ENSTNIG00000019528	ENSTNIP00000022753	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQF4]	ENSTNIG00000019528
ENSTNIG00000019682	ENSTNIP00000022927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQX8]	ENSTNIG00000019682
ENSTNIG00000019690	ENSTNIP00000022935	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQY6]	ENSTNIG00000019690
ENSTNIG00000019764	ENSTNIP00000023025	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR76]	ENSTNIG00000019764
ENSTNIG00000019812	ENSTNIP00000023077	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRC7]	ENSTNIG00000019812

Supplemental table 55. Tilapia specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSONIG00000021043	ENSONIP00000026346	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSONIG00000016976	ENSONIP00000021408	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmg1a
ENSONIG00000012251	ENSONIP00000015428	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IF6
ENSONIG00000020842	ENSONIP00000026146	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnase4
ENSONIG00000011433	ENSONIP00000014388	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSONIG00000006050	ENSONIP00000007619	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSONIG00000012250	ENSONIP00000015427	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSONIG00000015305	ENSONIP00000019260	small integral membrane protein 11 [Source:HGNC Symbol;Acc:HGNC:1293]	SM11
ENSONIG00000013826	ENSONIP00000017385	testis expressed 43 [Source:HGNC Symbol;Acc:HGNC:33767]	TEX43
ENSONIG00000000826	ENSONIP0000001051	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSONIG00000000838	ENSONIP0000001064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3IWS4]	ENSONIG00000000838
ENSONIG00000000930	ENSONIP0000001174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3IX34]	ENSONIG00000000930
ENSONIG00000001024	ENSONIP0000001297	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3IXF7]	ENSONIG00000001024
ENSONIG00000002674	ENSONIP00000003349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3IJA9]	ENSONIG00000002674
ENSONIG00000003201	ENSONIP00000004015	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J575]	ENSONIG00000003201
ENSONIG00000003348	ENSONIP00000004214	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J554]	ENSONIG00000003348
ENSONIG00000003384	ENSONIP00000004262	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J5X2]	ENSONIG00000003384
ENSONIG00000003448	ENSONIP00000004341	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J651]	ENSONIG00000003448
ENSONIG00000003848	ENSONIP00000004848	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J7K8]	ENSONIG00000003848
ENSONIG00000003850	ENSONIP00000004850	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3J7L0]	ENSONIG00000003850
ENSONIG00000004616	ENSONIP00000005812	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JAC2]	ENSONIG00000004616
ENSONIG00000004679	ENSONIP00000005891	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JAK1]	ENSONIG00000004679
ENSONIG00000004791	ENSONIP00000006033	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JAZ3]	ENSONIG00000004791
ENSONIG00000004952	ENSONIP00000006229	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JB19]	ENSONIG00000004952
ENSONIG00000005022	ENSONIP00000006317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JB57]	ENSONIG00000005022
ENSONIG00000005071	ENSONIP00000006376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JBV6]	ENSONIG00000005071
ENSONIG00000005100	ENSONIP00000006410	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JC20]	ENSONIG00000005100
ENSONIG00000006387	ENSONIP00000008050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JGQ9]	ENSONIG00000006387
ENSONIG00000006412	ENSONIP00000008084	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JGU3]	ENSONIG00000006412
ENSONIG00000007121	ENSONIP00000008983	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JD9J]	ENSONIG00000007121
ENSONIG00000007122	ENSONIP00000008984	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JE0J]	ENSONIG00000007122
ENSONIG00000007361	ENSONIP00000009288	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JK94]	ENSONIG00000007361
ENSONIG00000007400	ENSONIP00000009331	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JKD7]	ENSONIG00000007400
ENSONIG00000007589	ENSONIP00000009568	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JL24]	ENSONIG00000007589
ENSONIG00000007648	ENSONIP00000009638	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JL94]	ENSONIG00000007648
ENSONIG00000007746	ENSONIP00000009761	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JLL7]	ENSONIG00000007746
ENSONIG00000007865	ENSONIP00000009915	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JM21]	ENSONIG00000007865
ENSONIG00000007907	ENSONIP00000009965	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JM71]	ENSONIG00000007907
ENSONIG00000008034	ENSONIP00000010118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JMM4]	ENSONIG00000008034
ENSONIG00000008154	ENSONIP00000010266	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JN22]	ENSONIG00000008154
ENSONIG00000008171	ENSONIP00000010286	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JN42]	ENSONIG00000008171
ENSONIG00000008587	ENSONIP00000010795	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JPK1]	ENSONIG00000008587
ENSONIG00000009390	ENSONIP00000011799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JSF4]	ENSONIG00000009390
ENSONIG00000009453	ENSONIP00000011879	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JSN4]	ENSONIG00000009453
ENSONIG00000009580	ENSONIP00000012039	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JT44]	ENSONIG00000009580
ENSONIG00000009612	ENSONIP00000012077	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JT82]	ENSONIG00000009612
ENSONIG00000009618	ENSONIP00000012083	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JT88]	ENSONIG00000009618
ENSONIG00000010257	ENSONIP00000012899	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JVK4]	ENSONIG00000010257
ENSONIG00000010503	ENSONIP00000013202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JWF7]	ENSONIG00000010503
ENSONIG00000010815	ENSONIP00000013597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JXK2]	ENSONIG00000010815
ENSONIG00000010892	ENSONIP00000013707	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3JXW2]	ENSONIG00000010892
ENSONIG00000011670	ENSONIP00000014694	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KOP9]	ENSONIG00000011670
ENSONIG00000011826	ENSONIP00000014888	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3K193]	ENSONIG00000011826
ENSONIG00000012249	ENSONIP00000015426	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3K2T1]	ENSONIG00000012249
ENSONIG00000012885	ENSONIP00000016216	novel gene	ENSONIG00000012885
ENSONIG00000013199	ENSONIP00000016599	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3K654]	ENSONIG00000013199
ENSONIG00000013284	ENSONIP00000016708	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3K6G3]	ENSONIG00000013284
ENSONIG00000013340	ENSONIP00000016774	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3K6M9]	ENSONIG00000013340
ENSONIG00000013687	ENSONIP00000017225	novel gene	ENSONIG00000013687
ENSONIG00000013977	ENSONIP00000017568	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3K8X3]	ENSONIG00000013977
ENSONIG00000014446	ENSONIP00000018164	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KAL9]	ENSONIG00000014446
ENSONIG00000014552	ENSONIP00000018312	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KB17]	ENSONIG00000014552
ENSONIG00000014555	ENSONIP00000018315	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KB20]	ENSONIG00000014555
ENSONIG00000014662	ENSONIP00000018460	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KBG5]	ENSONIG00000014662
ENSONIG00000014883	ENSONIP00000018733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KC88]	ENSONIG00000014883
ENSONIG00000015068	ENSONIP00000018967	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KCX2]	ENSONIG00000015068
ENSONIG00000015329	ENSONIP00000019287	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KDU2]	ENSONIG00000015329
ENSONIG00000015356	ENSONIP00000019319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KDX4]	ENSONIG00000015356
ENSONIG00000015491	ENSONIP00000019493	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KEE8]	ENSONIG00000015491
ENSONIG00000016356	ENSONIP00000020595	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KH00]	ENSONIG00000016356
ENSONIG00000016696	ENSONIP00000021034	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KIT9]	ENSONIG00000016696
ENSONIG00000016986	ENSONIP00000021419	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KJX4]	ENSONIG00000016986
ENSONIG00000017495	ENSONIP00000022063	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KLR8]	ENSONIG00000017495
ENSONIG00000017551	ENSONIP00000022132	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KLY7]	ENSONIG00000017551
ENSONIG00000017684	ENSONIP00000022297	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KMF2]	ENSONIG00000017684
ENSONIG00000017761	ENSONIP00000022391	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:I3KMP6]	ENSONIG00000017761

Supplemental table 56. Zebrafish specific genes compared to other fish

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J2]	AL928887.2
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F9Q7]	BX005265.1
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R455]	BX008644.1
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QB6M]	BX465187.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.3
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FE2E]	BX901974.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY77]	CABZ01002339.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CABZ01040054.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ07]	CABZ01044775.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CABZ01049025.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000091217	ENSDARP00000104834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXJ8]	CABZ01056821.2
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDF8]	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CABZ01060296.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R954]	CABZ01065246.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYH7]	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CABZ01069268.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDJ5]	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R849]	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CABZ01071642.2
ENSDARG00000089931	ENSDARP00000110096	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY13]	CABZ01071911.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R735]	CABZ01072534.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1	CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GQK1]	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CABZ01077140.1

ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.2
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CABZ01079804.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGY6]	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY70]	CABZ01080492.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY57]	CABZ01081747.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CABZ01083607.2
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1		CABZ01084505.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CABZ01085394.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CABZ01087025.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD37]	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS9Y]	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY76]	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1REP8]	CABZ01104063.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R5F8]	CABZ01112249.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJW1]	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1		CABZ01115256.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CABZ01117605.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000091741	ENSDARP00000107415	CR354382.1		CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000090427	ENSDARP00000114481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QH12]	CR450701.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ54]	CR548627.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1		CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA	[Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2	[Source:ZFIN;Acc:ZDB-GENE-040718-456]	creb12
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA	[Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7E2C8]	CT027679.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000055281	ENSDARP00000094290	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNY2]	CT573349.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FA37]	CT583679.2
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EY11]	CT827808.2
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F656]	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV36]	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100004333 (LOC100004333), mRNA	[Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000089744	ENSDARP00000109611	CU633479.3		CU633479.3
ENSDARG00000087220	ENSDARP00000108084	CU681842.1		CU681842.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000089683	ENSDARP00000108574	CU914164.1		CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000089136	ENSDARP00000111338	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F1Y4]	CU984580.4
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c	[Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDARG00000069994	ENSDARP00000093092	elastin a	[Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP00000123914	elastin b	[Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b	[Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b

ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F253]	FP017194.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmg2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmg2
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lenep
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrap
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvd
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000093916	ENSDARP00000116207	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nkD3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nkD3l
ENSDARG00000020332	ENSDARP0000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtlgr
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb [Source:ZFIN;Acc:ZDB-GENE-11117-1]	sema4gb
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270i17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270i17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000097692	ENSDARP00000127884	si:ch211-116o3.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4627]	si:ch211-116o3.5
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-663]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7

ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-523]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-573]	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-134c9.2
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-411]	si:ch211-139i2.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000095420	ENSDARP00000114228	si:ch211-14a11.1 [Source:ZFIN;Acc:ZDB-GENE-050420-219]	si:ch211-14a11.1
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG000000974359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG000000979524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-1907]	si:ch211-190k17.19
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000097945	ENSDARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENSDARG00000095630	ENSDARP00000115378	si:ch211-221n20.7 [Source:ZFIN;Acc:ZDB-GENE-041014-229]	si:ch211-221n20.7
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2

ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-529]	si:ch211-246i5.5
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-254]	si:ch211-251g8.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-359]	si:ch211-255p10.3
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103i1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103i1.2
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-6]	si:dkey-103d23.5
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2

ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000097081	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkey-17e16.18
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3

ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66i17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66i17.4
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88i16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88i16.5
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1

ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000093340	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-72g6.2
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1Q566]	si:dkeyp-79f12.7
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000017163	ENSDARP00000191222	siaz-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	sinup
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	slx4
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSDARG00000076665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	stm
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	syngr2a
ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gt14a
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000097950	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfrsf18
ENSDARG00000097797	ENSDARP00000127667	translocase of outer mitochondrial membrane 6 homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:34528]	TOMM6
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	triobp
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10
ENSDARG00000026296	ENSDARP00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000037398	ENSDARP00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARP00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000071648	ENSDARP00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000073821	ENSDARP00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000017489	ENSDARP00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000095281	ENSDARP00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARP00000118227	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000062326	ENSDARP00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000091864	ENSDARP00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000027639	ENSDARP00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000092924	ENSDARP00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000095966	ENSDARP00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699

ENSDARG00000078638	ENSDARP00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000092885	ENSDARP00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000070714	ENSDARP00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000076476	ENSDARP00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000077571	ENSDARP00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000079916	ENSDARP00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20

Supplemental table 57. Fish specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSXMAG00000011862	ENSXMAP00000011878	ATP-binding cassette, sub-family H, member 1	abch1
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog	acd
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type	acyp1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b	adora2ab
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSORLG00000018537	ENSORLP00000023182	alpha-2-HS-glycoprotein	ahsg
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein	AL845301.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein	AL845481.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein	AL928685.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein	AL928685.2
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein	AL928685.3
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein	AL928875.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein	AL928887.2
ENSDARG00000071353	ENSDARP00000107832	protein MGARP-like	AL929007.1
ENSDARG00000035718	ENSDARP00000040785	Uncharacterized protein	AL929105.1
ENSDARG00000088625	ENSDARP00000112281	Uncharacterized protein	AL929105.3
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein	AL929193.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein	AL929220.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein	AL929276.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein	AL929276.2
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein	AL929520.1
ENSDARG00000089500	ENSDARP00000111945	Uncharacterized protein	AL935128.1
ENSDARG00000086564	ENSDARP00000106471	Uncharacterized protein	AL935184.1
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a	alcama
ENSORLG00000006668	ENSORLP00000008368	adrenomedullin 5 precursor	AM5
ENSDARG00000088514	ENSDARP00000105441	actinodin1	and1
ENSDARG00000079302	ENSDARP00000102064	actinodin2	and2
ENSDARG00000056873	ENSDARP00000073905	actinodin3	and3
ENSDARG00000090729	ENSDARP00000108214	actinodin4	and4
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit	ap1m1
ENSDARG00000053279	ENSDARP00000069796	apelin	apln
ENSDARG00000090900	ENSDARP00000106897	actinoporin-like protein	apnl
ENSDARG00000015866	ENSDARP00000058963	apolipoprotein A-II	apoa2
ENSGMOG00000013853	ENSGMOP00000014788	apolipoprotein C-I like	apoc1l
ENSGMOG000000013877	ENSGMOP00000014815	apolipoprotein C-II	apoc2
ENSGMOG000000007522	ENSGMOP00000008046	apolipoprotein F	apof
ENSDARG00000073718	ENSDARP00000126025	apolipoprotein L, 4	APOL4
ENSDARG00000089961	ENSDARP00000112007	apolipoprotein L domain containing 1	APOLD1
ENSAMXG00000005092	ENSAMXP00000005218	apolipoprotein M	apom
ENSORLG00000001766	ENSORLP00000002196	amphiregulin	AREG
ENSGACG00000001538	ENSGACP00000002003	arginine and glutamate rich 1b	arglu1b
ENSDARG00000093714	ENSDARP00000116445	artemin b	artnb
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein	asip
ENSGMOG00000013511	ENSGMOP00000014436	Agouti signaling peptide 2	ASIP2
ENSLACG00000022688	ENSLACP00000023658	ATP synthase protein 8	ATP8
ENSGMOG00000020198	ENSGMOP00000021685	ATPase inhibitory factor 1a	atpif1a
ENSGMOG00000016637	ENSGMOP00000017862	BCL2-associated athanogene 4	bag4
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1	basp1
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3	bbc3
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11	bcl2l11
ENSAMXG00000003009	ENSAMXP00000003060	brain expressed, associated with NEDD4, 1	BEAN1
ENSAMXG00000010759	ENSAMXP00000011048	bone gamma-carboxyglutamate (gla) protein	bglap
ENSDARG00000057085	ENSDARP00000074134	bhkhari	bhik
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist	bid
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing)	bik
ENSDARG00000096603	ENSDARP00000126692	brambleberry	bmb
ENSDARG00000041414	ENSDARP00000060712	Bcl2 modifying factor 2	bmf2
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated	BTLA
ENSORLG00000015762	ENSORLP00000019740	budding uninhibited by benzimidazoles 1 homolog beta a	bub1ba
ENSDARG00000089942	ENSDARP00000111480	Uncharacterized protein	BX000348.1
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein	BX004824.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein	BX004828.1
ENSDARG00000007067	ENSDARP00000003041	Uncharacterized protein	BX004840.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein	BX004857.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein	BX004876.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein	BX004964.1
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein	BX005052.1
ENSDARG00000091651	ENSDARP00000112367	Uncharacterized protein	BX005156.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein	BX005223.2
ENSDARG00000089080	ENSDARP00000108299	Uncharacterized protein	BX005223.3
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein	BX005228.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein	BX005234.1
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein	BX005265.1
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein	BX005329.2
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein	BX005329.3

ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein	BX005364.1
ENSDARG00000069027	ENSDARP00000090872	Uncharacterized protein	BX005395.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein	BX085193.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein	BX088644.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein	BX088712.2
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA	BX247944.1
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein	BX248120.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein	BX284638.2
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein	BX284672.1
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein	BX322587.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein	BX323010.1
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein	BX323444.2
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein	BX323461.1
ENSDARG00000089864	ENSDARP00000106907	Uncharacterized protein	BX323573.1
ENSDARG00000090688	ENSDARP00000105752	Uncharacterized protein	BX323994.1
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein	BX324163.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein	BX324216.2
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein	BX465187.1
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein	BX469930.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	BX470119.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	BX470200.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein	BX510909.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein	BX511034.1
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein	BX511034.2
ENSDARG00000087202	ENSDARP00000103959	Uncharacterized protein	BX511066.1
ENSDARG00000055263	ENSDARP00000072062	Uncharacterized protein	BX511172.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	BX537156.1
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein	BX539307.1
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein	BX539307.2
ENSDARG00000092602	ENSDARP00000114151	Uncharacterized protein	BX546499.2
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	BX548000.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein	BX548000.3
ENSDARG00000090640	ENSDARP00000103736	Uncharacterized protein	BX571813.4
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein	BX571823.1
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA	BX601644.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein	BX649296.1
ENSDARG00000089822	ENSDARP00000107748	Uncharacterized protein	BX649341.2
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein	BX649384.1
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein	BX649431.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein	BX649485.2
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein	BX649490.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein	BX649524.1
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein	BX664625.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein	BX664625.2
ENSDARG00000088503	ENSDARP00000107454	Uncharacterized protein	BX682234.2
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein	BX897747.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein	BX897747.3
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein	BX901974.1
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein	BX927308.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein	BX927317.1
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000088863	ENSDARP00000068505	Uncharacterized protein	BX936412.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein	BX942821.2
ENSDARG00000057102	ENSDARP00000074158	Uncharacterized protein	BX957274.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein	BX957278.1
ENSXMAG00000019785	ENSXMAP00000019832	chromosome 11 open reading frame 87	C11orf87
ENSTRUG00000000579	ENSTRUP00000001383	chromosome 11 open reading frame 88	C11orf88
ENSORLG00000017095	ENSORLP00000021389	chromosome 15 open reading frame 52	C15orf52
ENSGMOP00000005585	ENSGMOP00000005921	chromosome 18 open reading frame 54	C18orf54
ENSXMAG00000012899	ENSXMAP000000012922	chromosome 19 open reading frame 53	C19orf53
ENSAMXG00000021153	ENSAMXP000000021772	chromosome 2 open reading frame 68	C2orf68
ENSTNIG00000014252	ENSTNIP00000017266	Chromosome undetermined SCAF14965, whole genome shotgun sequence; Uncharacterized protein	C3ORF14
ENSAMXG00000015654	ENSAMXP00000016106	chromosome 8 open reading frame 59	C8orf59
ENSGACG00000016653	ENSGACP00000021989	chromosome 9 open reading frame 16	C9orf16
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein	CABZ01002339.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein	CABZ01002533.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein	CABZ01010189.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein	CABZ01010191.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein	CABZ01010194.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein	CABZ01010194.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein	CABZ01010194.3
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein	CABZ01015787.1
ENSDARG00000093712	ENSDARP00000115408	Uncharacterized protein	CABZ01021530.1
ENSDARG00000086315	ENSDARP00000110975	Uncharacterized protein	CABZ01021532.1
ENSDARG00000088918	ENSDARP00000110294	Uncharacterized protein	CABZ01021532.2
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein	CABZ01023601.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein	CABZ01025394.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1

ENSDARG00000086931	ENSDARP00000109062	Uncharacterized protein	CABZ01029822.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein	CABZ01029900.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein	CABZ01029902.2
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein	CABZ01030107.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein	CABZ01030119.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein	CABZ01030469.1
ENSDARG00000076088	ENSDARP00000098420	Uncharacterized protein	CABZ01032351.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein	CABZ01032352.1
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein	CABZ01034691.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein	CABZ01034692.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein	CABZ01034698.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein	CABZ01034698.2
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein	CABZ01034702.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein	CABZ01038313.1
ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein	CABZ01038802.1
ENSDARG00000073678	ENSDARP00000102836	Uncharacterized protein	CABZ01039301.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein	CABZ01040054.1
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA	CABZ01040055.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	CABZ01044023.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein	CABZ01044775.1
ENSDARG00000089690	ENSDARP00000107711	Uncharacterized protein	CABZ01044980.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	CABZ01046425.1
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein	CABZ01046427.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein	CABZ01046432.1
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein	CABZ01046433.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein	CABZ01048092.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein	CABZ01049025.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1	CABZ01052573.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	CABZ01053617.1
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein	CABZ01056821.1
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	CABZ01057633.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	CABZ01058139.1
ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein	CABZ01058371.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein	CABZ01058871.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	CABZ01059415.2
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein	CABZ01059627.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	CABZ01059627.2
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein	CABZ01060296.1
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	CABZ01061495.1
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	CABZ01061498.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	CABZ01061508.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000077720	ENSDARP00000096822	Uncharacterized protein	CABZ01062422.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	CABZ01062563.1
ENSDARG00000090774	ENSDARP00000109407	Uncharacterized protein	CABZ01062995.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	CABZ01063173.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein	CABZ01063534.1
ENSDARG00000089402	ENSDARP00000105234	Uncharacterized protein	CABZ01063841.1
ENSDARG00000077346	ENSDARP00000099878	Uncharacterized protein	CABZ01064799.1
ENSDARG00000063315	ENSDARP00000111345	Uncharacterized protein	CABZ01064698.1
ENSDARG00000089818	ENSDARP00000110175	Uncharacterized protein	CABZ01064968.2
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein	CABZ01064972.2
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein	CABZ01065246.1
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	CABZ01065328.1
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein	CABZ01066716.1
ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	CABZ01067657.1
ENSDARG00000091527	ENSDARP00000105345	Uncharacterized protein	CABZ01068153.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein	CABZ01069268.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein	CABZ01071224.1
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	CABZ01071530.2
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein	CABZ01071642.2
ENSDARG00000087627	ENSDARP00000106198	Uncharacterized protein	CABZ01072159.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein	CABZ01072487.1
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein	CABZ01072488.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	CABZ01072511.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	CABZ01072534.1
ENSDARG00000088201	ENSDARP00000110014	Uncharacterized protein	CABZ01072699.2
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	CABZ01073032.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	CABZ01073087.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1	CABZ01073405.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	CABZ01073417.1
ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	CABZ01074070.1
ENSDARG00000086759	ENSDARP00000109372	Uncharacterized protein	CABZ01074268.1
ENSDARG00000071028	ENSDARP00000095531	Uncharacterized protein	CABZ01074669.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	CABZ01074944.1
ENSDARG00000089198	ENSDARP00000102862	Uncharacterized protein	CABZ01075275.1

ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein	CABZ01075684.2
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein	CABZ01077140.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	CABZ01077217.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	CABZ01077218.1
ENSDARG00000088198	ENSDARP00000105007	Uncharacterized protein	CABZ01077220.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	CABZ01077221.1
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	CABZ01077223.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	CABZ01077228.1
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	CABZ01078262.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein	CABZ01078481.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	CABZ01078499.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	CABZ01078499.2
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	CABZ01078520.1
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein	CABZ01079302.1
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein	CABZ01079490.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein	CABZ01079804.1
ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein	CABZ01079804.2
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	CABZ01080471.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein	CABZ01080492.1
ENSDARG00000087169	ENSDARP00000109045	Uncharacterized protein	CABZ01081375.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein	CABZ01081747.1
ENSDARG00000087632	ENSDARP00000104796	Uncharacterized protein	CABZ01083502.1
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein	CABZ01083607.2
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	CABZ01083815.1
ENSDARG00000076971	ENSDARP00000050388	Uncharacterized protein	CABZ01084503.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein	CABZ01085394.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein	CABZ01087025.1
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein	CABZ01088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein	CABZ01088737.1
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein	CABZ01089205.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	CABZ01090748.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein	CABZ01090750.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein	CABZ01102076.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein	CABZ01104063.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein	CABZ01111604.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein	CABZ01112210.1
ENSDARG00000079534	ENSDARP00000103731	Uncharacterized protein	CABZ01112215.1
ENSDARG00000092026	ENSDARP00000121632	Uncharacterized protein	CABZ01112215.2
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	CABZ01112249.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein	CABZ01113191.1
ENSDARG00000090660	ENSDARP00000106904	Uncharacterized protein	CABZ01113582.1
ENSDARG00000087888	ENSDARP00000108542	Uncharacterized protein	CABZ01114120.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein	CABZ01117452.1
ENSDARG00000089677	ENSDARP00000109187	Uncharacterized protein	CABZ01117603.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein	CABZ01117605.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein	CABZ01118004.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein	CABZ01118775.1
ENSAMXG00000006698	ENSAMXP00000006876	calpastatin	cast
ENSAMXG00000025663	ENSAMXP00000026368	cation channel, sperm associated 3	CATSPER3
ENSGMOP00000002686	ENSGMOP00000002829	coiled-coil domain containing 120	ccdc120
ENSLOC00000009257	ENSLOC00000011290	coiled-coil domain containing 175	ccdc175
ENSAMXG00000006745	ENSAMXP00000006920	coiled-coil domain containing 18	CCDC18
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34	CCDC34
ENSTRUG00000017532	ENSTRUP00000044940	coiled-coil domain containing 86	CCDC86
ENSORLG00000020293	ENSORLP00000025164	coiled-coil domain containing 86	CCDC86
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1	CCHCR1
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1	cc1
ENSDARG00000074772	ENSDARP00000101027	chemokine CCL-C11b	ccl-c11b
ENSGMOP00000019140	ENSGMOP00000020587	CD3e molecule, epsilon associated protein	cd3eap
ENSDARG00000070668	ENSDARP00000094752	CD4 molecule	cd4
ENSGMOP00000004557	ENSGMOP00000004838	CD40 ligand	cd40lg
ENSTRUG00000007005	ENSTRUP00000017208	CD74 molecule, major histocompatibility complex, class II invariant chain b	cd74b
ENSAMXG00000021331	ENSAMXP00000021962	CD79b molecule, immunoglobulin-associated beta	cd79b
ENSDARG00000044797	ENSDARP00000065841	CD8 antigen, alpha polypeptide	cd8a
ENSLACG00000022675	ENSLACP00000022759	CD99 molecule	CD99
ENSDARG00000087508	ENSDARP00000126284	CD99 molecule-like 2	CD99L2
ENSDARG00000044437	ENSDARP00000065263	cell division cycle associated 5	cdca5
ENSAMXG00000021358	ENSAMXP00000021990	cell division cycle associated 9	cdca9
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal	cdh4
ENSDARG00000094388	ENSDARP00000119071	celsr2	celsr2
ENSLOC00000016517	ENSLOC00000020402	centromere protein W	CENPW
ENSORLG00000009877	ENSORLP00000012389	chromogranin B	chgb
ENSTNIG00000017268	ENSTNIP00000020406	claudin 23	CLDN23
ENSGMOP00000013030	ENSGMOP00000013930	C-type lectin domain family 4, member A	CLEC4A
ENSDARG00000087655	ENSDARP00000106337	claspin	CLSPN
ENSDARG00000055527	ENSDARP00000108611	calymmin	cmn

ENSAMXG0000002977	ENSAMXP0000003031	CKLF-like MARVEL transmembrane domain containing 1	CMTM1
ENSTRUG0000004003	ENSTRUP0000009486	Takifugu rubripes C-type natriuretic peptide-3 (cnp-3), mRNA.	cnp-3
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor	cntf
ENSDARG00000090155	ENSDARP00000109216	collagen, type XV, alpha 1a	col15a1a
ENSGMOP00000019478	ENSGMOP00000020951	collagen, type VIII, alpha 1	COL8A1
ENSLACG00000022396	ENSLACP00000023522	collagen, type IX, alpha 1	COL9A1
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a	cox8a
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein	cpn1
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein	CR352226.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein	CR352226.2
ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein	CR352226.3
ENSDARG00000088488	ENSDARP00000109787	Uncharacterized protein	CR352290.2
ENSDARG00000089432	ENSDARP00000109782	Uncharacterized protein	CR352328.2
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein	CR354549.1
ENSDARG00000086548	ENSDARP00000104814	Uncharacterized protein	CR381540.3
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein	CR381646.1
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein	CR382283.2
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein	CR382381.1
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein	CR383671.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	CR384085.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein	CR385050.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein	CR385063.1
ENSDARG00000077221	ENSDARP00000100765	Uncharacterized protein	CR385078.1
ENSDARG00000088299	ENSDARP00000105942	Uncharacterized protein	CR388002.2
ENSDARG00000054974	ENSDARP00000071724	Uncharacterized protein	CR388087.1
ENSDARG00000037005	ENSDARP00000053787	Uncharacterized protein	CR388095.1
ENSDARG00000058052	ENSDARP00000075301	Uncharacterized protein	CR388145.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein	CR388164.2
ENSDARG00000089819	ENSDARP00000111121	Uncharacterized protein	CR391961.2
ENSDARG00000078099	ENSDARP00000102776	Uncharacterized protein	CR391991.1
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	CR391998.1
ENSDARG00000075388	ENSDARP00000101497	Uncharacterized protein	CR392354.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein	CR392364.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein	CR450686.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein	CR450686.2
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	CR450701.1
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	CR450808.2
ENSDARG00000088585	ENSDARP00000106513	Uncharacterized protein	CR536621.1
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein	CR547131.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	CR548627.1
ENSDARG00000088329	ENSDARP00000107872	Uncharacterized protein	CR556710.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein	CR735107.2
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein	CR759816.1
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein	CR762483.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein	CR788311.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein	CR792415.3
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	CR792416.1
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein	CR792453.2
ENSDARG00000091443	ENSDARP00000110763	Uncharacterized protein	CR792453.3
ENSDARG00000088512	ENSDARP00000105549	Uncharacterized protein	CR847844.5
ENSDARG00000069859	ENSDARP00000012721	Uncharacterized protein	CR847950.1
ENSDARG00000079673	ENSDARP00000088837	Uncharacterized protein	CR847950.3
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	CR854881.1
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	CR854948.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein	CR926879.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	CR927050.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein	CR932358.2
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein	CR936371.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA	CR936408.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	CR936540.2
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein	CR974475.1
ENSDARG00000090107	ENSDARP00000105396	Uncharacterized protein	CR974475.2
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b	crb3b
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2	creb12
ENSGMOP00000011271	ENSGMOP00000012043	cytokine receptor family member b1	crfb1
ENSAMXG00000007344	ENSAMXP00000007544	cytokine receptor family member B12	crfb12
ENSDARG00000074771	ENSDARP00000102075	cytokine receptor family member B17	crfb17
ENSGACG00000001431	ENSGACP00000001854	cytokine receptor family member b6	crfb6
ENSORLG00000010501	ENSORLP00000013158	colony stimulating factor 1b (macrophage)	csf1b
ENSGMOP00000006051	ENSGMOP00000006424	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	csf2rb
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA	CSF3
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	CT025771.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein	CT027679.1
ENSDARG00000088940	ENSDARP00000109222	Uncharacterized protein	CT027682.1
ENSDARG00000089281	ENSDARP00000104757	Uncharacterized protein	CT027682.2
ENSDARG00000075563	ENSDARP00000101174	Uncharacterized protein	CT027696.1
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein	CT027754.1

ENSDARG00000071733	ENSDARP00000097063	Uncharacterized protein	CT030204.3
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein	CT030712.1
ENSDARG00000089099	ENSDARP00000108757	Uncharacterized protein	CT033790.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein	CT573234.1
ENSDARG00000078927	ENSDARP00000103412	Uncharacterized protein	CT573252.1
ENSDARG00000037253	ENSDARP00000054197	Uncharacterized protein	CT573253.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein	CT573393.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein	CT574587.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein	CT583625.1
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein	CT583625.2
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein	CT583625.3
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein	CT583625.4
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein	CT583679.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein	CT583679.2
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein	CT583700.1
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein	CT737190.3
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein	CT827808.1
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein	CT827808.2
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein	CT963086.1
ENSDARG00000090991	ENSDARP00000106210	Uncharacterized protein	CU151895.1
ENSDARG00000087920	ENSDARP00000105411	Uncharacterized protein	CU179757.2
ENSDARG00000089157	ENSDARP00000104125	Uncharacterized protein	CU179759.2
ENSDARG00000090278	ENSDARP00000108529	Uncharacterized protein	CU179759.3
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein	CU207276.4
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein	CU207311.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein	CU207343.2
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein	CU302316.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein	CU302316.2
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein	CU306817.1
ENSDARG00000086889	ENSDARP00000107805	Uncharacterized protein	CU464087.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein	CU467646.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein	CU467646.3
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein	CU468041.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein	CU468142.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein	CU469547.1
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein	CU539054.1
ENSDARG00000092732	ENSDARP00000123683	Uncharacterized protein	CU570881.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein	CU570881.2
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein	CU570889.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein	CU571257.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein	CU571257.2
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC100000433), mRNA	CU596012.2
ENSDARG00000088197	ENSDARP00000106144	Uncharacterized protein	CU627988.1
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000089383	ENSDARP00000105999	Uncharacterized protein	CU652893.1
ENSDARG00000068018	ENSDARP00000088884	Uncharacterized protein	CU672228.1
ENSDARG00000079517	ENSDARP00000092720	Uncharacterized protein	CU672228.3
ENSDARG00000086168	ENSDARP00000110888	Uncharacterized protein	CU672228.4
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein	CU681841.1
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein	CU694226.3
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein	CU855780.1
ENSDARG00000089889	ENSDARP00000105455	rapunzel3 (rpz3), mRNA	CU861453.1
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein	CU896691.2
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein	CU928071.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein	CU928213.1
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA	CU929133.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein	CU929149.1
ENSDARG00000038587	ENSDARP00000056332	Uncharacterized protein	CU929150.1
ENSDARG00000088982	ENSDARP00000110580	Uncharacterized protein	CU929163.1
ENSDARG00000089645	ENSDARP00000109328	Uncharacterized protein	CU929307.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein	CU984580.4
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein	CU993820.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein	cul4a
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c	cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c	cxcl-c5c
ENSAMXG0000007449	ENSAMXP00000007653	cysteine-rich transmembrane module containing 1	CYSTM1
ENSGACG00000006660	ENSGACP00000008819	dishevelled-binding antagonist of beta-catenin 3	DACT3
ENSDARG00000036895	ENSDARP00000053567	death associated protein 1b	dap1b
ENSGMOPG00000007996	ENSGMOP00000008550	DNA-damage-inducible transcript 3	ddit3
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDCP 8 homolog (mouse)	def8
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1	defb1
ENSDARG00000096380	ENSDARP00000125973	defensin, beta-like 2	defb2
ENSDARG00000097181	ENSDARP00000129545	defensin, beta-like 3	defb3
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1	dicip1.1
ENSDARG00000075848	ENSDARP00000102438	diverse immunoglobulin domain-containing protein 3.1	dicip3.1
ENSDARG00000087706	ENSDARP00000127641	diverse immunoglobulin domain-containing protein 3.3	dicip3.3
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7	DLEU7

ENSGMOP0000009329	ENSGMOP0000009963	DSN1, MIS12 kinetochore complex component	DSN1
ENSAMXG0000005300	ENSAMXP0000005426	duboraya	dub
ENSARG00000087457	ENSARDP0000011403	endothelial cell-specific chemotaxis regulator	escrcr
ENSARG00000069994	ENSARDP00000093092	elastin a	elna
ENSARG00000069017	ENSARDP00000123914	elastin b	elnb
ENSGMOP0000001722	ENSGMOP0000001817	endoglin	ENG
ENSGACG0000006423	ENSGACP0000008494	ERBB receptor feedback inhibitor 1	ERRF1
ENSAMXG0000013547	ENSAMXP00000013932	family with sequence similarity 149, member B1	fam149b1
ENSGMOP00000008575	ENSGMOP00000009172	family with sequence similarity 177, member B	FAM177B
ENSXMAG00000009837	ENSXMAP00000009857	family with sequence similarity 184, member B	fam184b
ENSARG00000095007	ENSARDP00000120516	family with sequence similarity 60, member A, like	fam60al
ENSORLG00000008134	ENSORLP00000010211	FK506 binding protein like	FKBPL
ENSLOC00000000771	ENSLOC00000000854	FOS-like antigen 1a	fosl1a
ENSARG00000087620	ENSARDP00000111134	FOS-like antigen 1b	fosl1b
ENSARG00000087912	ENSARDP00000111662	Uncharacterized protein	FP016176.1
ENSARG00000087256	ENSARDP00000106532	Uncharacterized protein	FP016207.1
ENSARG00000090390	ENSARDP00000104829	Uncharacterized protein	FP016235.1
ENSARG00000075620	ENSARDP00000091532	Uncharacterized protein	FP017194.1
ENSARG00000091643	ENSARDP00000107437	Uncharacterized protein	FP085412.2
ENSARG00000089269	ENSARDP00000106226	Uncharacterized protein	FP102887.1
ENSARG00000087555	ENSARDP00000106768	Uncharacterized protein	FP103059.1
ENSARG00000087434	ENSARDP00000107105	Uncharacterized protein	FP236789.2
ENSARG00000068160	ENSARDP00000089148	Uncharacterized protein	FP245465.2
ENSARG00000091199	ENSARDP00000111359	Uncharacterized protein	FP245465.3
ENSARG00000086216	ENSARDP00000110676	Uncharacterized protein	FP326665.1
ENSARG00000091749	ENSARDP00000107763	fibrous sheath interacting protein 1	fsjp1
ENSAMXG00000009118	ENSAMXP00000009369	finTRIM family, member 60, pseudogene	fr60p
ENSGMOP00000013167	ENSGMOP00000014080	G0/G1 switch 2	G0S2
ENSARG00000054239	ENSARDP00000070879	ghrelin/obestatin preprohormone	ghrl
ENSORLG00000014247	ENSORLP00000017869	Oryzias latipes prepro-gonadotropin-releasing hormone (gnrh1), mRNA.	GNRH1
ENSARG00000056214	ENSARDP00000073133	gonadotropin-releasing hormone 3	gnrh3
ENSAMXG00000020732	ENSAMXP00000021351	G protein pathway suppressor 2	gps2
ENSGACG00000013084	ENSGACP00000017300	G-protein signaling modulator 3	GPSM3
ENSARG00000075301	ENSARDP00000104184	gonadal somatic cell derived factor	gsdf
ENSTNIG00000011238	ENSTNIP00000014176	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein	GSTENG10022641001
ENSARG00000053227	ENSARDP00000069720	hepcidin antimicrobial peptide 2	hamp2
ENSXMAG00000008968	ENSXMAP00000008986	hypocretin (orexin) neuropeptide precursor	hcrt
ENSARG00000092074	ENSARDP00000114360	hematopoietic cell signal transducer	hcst
ENSARG00000017917	ENSARDP00000006074	hairy and enhancer of split related-7	her7
ENSARG00000038408	ENSARDP00000056045	hm:zeh0619	hm:zeh0619
ENSARG00000028335	ENSARDP00000036107	high mobility group AT-hook 1a	hmga1a
ENSARG00000070951	ENSARDP00000095374	high mobility group AT-hook 1b	hmga1b
ENSARG00000069912	ENSARDP00000125420	high mobility group AT-hook 2	hmga2
ENSARG00000093817	ENSARDP00000113028	high-mobility group nucleosomal binding domain 2	hmg2
ENSARG00000096510	ENSARDP00000126834	Uncharacterized protein	hoxa9a
ENSARG00000095807	ENSARDP00000124569	haptoglobin	hp
ENSXMAG00000002616	ENSXMAP00000002614	heat shock protein, alpha-crystallin-related, 9	hspb9
ENSLACG00000009397	ENSLACP00000010668	integrin-binding sialoprotein	IBSP
ENSARG00000086881	ENSARDP00000108516	immediate early response 2	IER2
ENSTNIG00000012623	ENSTNIP00000015595	immediate early response 2	IER2
ENSLOC00000001484	ENSLOC00000001692	interferon, alpha-inducible protein 6	IFi6
ENSXMAG00000020100	ENSXMAP00000020146	interferon induced transmembrane protein 5	ifitm5
ENSARG00000045671	ENSARDP00000067152	interferon, gamma 1-1	ifng1-1
ENSARG00000024211	ENSARDP00000122851	interferon, gamma 1-2	ifng1-2
ENSARG00000025607	ENSARDP00000034643	interferon phi 1	ifnphi1
ENSARG00000090603	ENSARDP00000108147	interferon phi 4	ifnphi4
ENSARG00000091391	ENSARDP00000105715	Intraflagellar transport protein 43 homolog	IFT43
ENSARG00000096236	ENSARDP00000125644	immunoglobulin heavy diversity 1-1	ighd1-1
ENSARG00000096344	ENSARDP00000126331	immunoglobulin heavy diversity 1-2	ighd1-2
ENSARG00000096285	ENSARDP00000126076	immunoglobulin heavy diversity 2-1	ighd2-1
ENSARG00000096385	ENSARDP00000125794	immunoglobulin heavy diversity 2-2	ighd2-2
ENSARG00000096390	ENSARDP00000126233	ighd2-3	ighd2-3
ENSARG00000096396	ENSARDP00000125757	ighd2-4	ighd2-4
ENSARG00000096284	ENSARDP00000126145	ighd2-5	ighd2-5
ENSARG00000096351	ENSARDP00000126263	immunoglobulin heavy joining 1-1	ighj1-1
ENSARG00000096292	ENSARDP00000125779	immunoglobulin heavy joining 1-2	ighj1-2
ENSARG00000096321	ENSARDP00000125639	immunoglobulin heavy joining 2-1	ighj2-1
ENSARG00000096254	ENSARDP00000126210	immunoglobulin heavy joining 2-2	ighj2-2
ENSARG00000096366	ENSARDP00000125905	ighj2-3	ighj2-3
ENSARG00000096294	ENSARDP00000125777	ighj2-4	ighj2-4
ENSARG00000096330	ENSARDP00000126000	ighj2-5	ighj2-5
ENSARG00000093272	ENSARDP00000120591	immunoglobulin light iota constant 1, s1	iglc1s1
ENSARG00000079987	ENSARDP00000101121	immunoglobulin light 3 variable 5	igl3v5
ENSARG00000041180	ENSARDP00000060361	interleukin 10 receptor, alpha	il10ra
ENSARG00000038878	ENSARDP00000056760	interleukin 12a	il12a
ENSARG00000069504	ENSARDP00000091990	interleukin 12B	IL12B
ENSGACG00000012446	ENSGACP00000016451	interleukin 12 receptor, beta 2a, like	il12rb2l
ENSARG00000077809	ENSARDP00000103364	interleukin 13	il13

ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1	il13ra1
ENSDARG00000052361	ENSDARP00000118478	interleukin 15	il15
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like	il15l
ENSGM0G00000010810	ENSGMOP00000011560	interleukin 17 receptor C	IL17RC
ENSTRUG00000012448	ENSTRUP00000031535	Takifugu rubripes interleukin-18 (il-18), mRNA.	il-18
ENSTRUG00000008720	ENSTRUP00000021900	Takifugu rubripes interleukin-2 precursor (il-2), mRNA.	il-2
ENSDARG00000067847	ENSDARP00000088519	interleukin 21	il21
ENSXMAG00000013435	ENSXMAP00000013460	interleukin 21 receptor	il21r
ENSDARG00000045673	ENSDARP00000067154	interleukin 22	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26	il26
ENSDARG00000075660	ENSDARP00000100366	interleukin 4	il4
ENSTRUG00000000248	ENSTRUP00000000540	interleukin 4 receptor	il4r
ENSTRUG00000008735	ENSTRUP00000021935	Takifugu rubripes interleukin-6 (il-6), mRNA.	IL6
ENSDARG00000086421	ENSDARP00000104578	im:7136729	im:7136729
ENSDARG00000092181	ENSDARP00000112595	im:7140055	im:7140055
ENSGM0G00000011944	ENSGMOP00000012770	im:7152348	im:7152348
ENSGM0G00000018312	ENSGMOP00000019701	IQ motif containing K	iqck
ENSTRUG00000017883	ENSTRUP00000045861	Uncharacterized protein	ISG12
ENSTNIG00000015373	ENSTNIP00000018437	izumo sperm-egg fusion 1	IZUMO1
ENSTNIG00000005528	ENSTNIP00000023001	lysine (K)-specific demethylase 6B, b	kdm6bb
ENSLACG00000022329	ENSLACP00000023067	KIAA0040	KIAA0040
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor	kiss1
ENSGM0G00000010276	ENSGMOP00000010996	kit ligand a	kitlga
ENSGM0G00000010838	ENSGMOP00000011599	kit ligand b	kitlgb
ENSGM0G00000006090	ENSGMOP00000006457	l(3)mbt-like 1 (Drosophila)	l3mbtl1
ENSLACG00000005495	ENSLACP00000006197	Uncharacterized protein	LACH-UX-02
ENSAMXG00000000233	ENSAMXP00000000241	ladinin	lad1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein	lenep
ENSTRUG00000015803	ENSTRUP00000040379	leukocyte receptor cluster (LRC) member 1	leng1
ENSTRUG00000013373	ENSTRUP00000034085	Takifugu rubripes leptin (lep), mRNA.	LEP
ENSDARG00000045548	ENSDARP00000113509	leptin b	lepb
ENSGM0G00000004302	ENSGMOP00000004552	leucine rich repeat containing 31	LRRC31
ENSDARG00000020483	ENSDARP00000004968	lymphotoxin alpha (TNF superfamily, member 1)	lta
ENSXMAG00000018169	ENSXMAP00000018205	LYR motif containing 7	LYRM7
ENSAMXG00000007019	ENSAMXP00000007212	IL-6 subfamily cytokine M17	m17
ENSGM0G00000018816	ENSGMOP00000020198	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A	MAFA
ENSGM0G00000016192	ENSGMOP00000017375	mal, T-cell differentiation protein	MAL
ENSAMXG00000014716	ENSAMXP00000015148	microtubule-associated protein 9	map9
ENSGM0G00000001978	ENSGMOP00000002109	myristoylated alanine rich protein kinase C substrate a	marcksa
ENSDARG00000039034	ENSDARP00000056986	MARCKS-like 1a	marcks1a
ENSDARG00000035715	ENSDARP00000051803	MARCKS-like 1b	marcks1b
ENSL0CG00000005853	ENSL0CP00000007063	methyl-CpG binding domain protein 6	mbd6
ENSDARG00000036186	ENSDARP00000126314	myelin basic protein a	mbpa
ENSGM0G00000020186	ENSGMOP00000021673	major facilitator superfamily domain containing 6-like	mfsd6l
ENSAMXG00000018171	ENSAMXP00000018715	melan-A	MLANA
ENSDARG00000092916	ENSDARP00000115621	motilin-like	mnl
ENSTNIG00000004037	ENSTNIP00000006647	Chromosome undetermined SCAF9059, whole genome shotgun sequence; Uncharacterized protein	MPLKIP
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein	mrp
ENSAMXG00000003879	ENSAMXP00000003958	mitochondrial ribosomal protein L52	MRPL52
ENSAMXG00000018145	ENSAMXP00000018688	murine retrovirus integration site 1 homolog	mrvi1
ENSORLG00000015580	ENSORLP00000019508	Oryzias latipes metallothionein (LOC100049397), mRNA.	MT
ENSDARG00000041623	ENSDARP00000061006	metalothionein 2	mt2
ENSTNIG00000008823	ENSTNIP00000011674	metalothionein 2	mt2
ENSGM0G00000002134	ENSGMOP00000002289	metadherin a	mtdha
ENSGM0G00000018533	ENSGMOP00000019943	metadherin b	mtdhb
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated	muc13a
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b	mvdb
ENSDARG000000095300	ENSDARP00000120648	matrix-remodelling associated 7	mxra7
ENSAMXG00000006375	ENSAMXP00000006538	myc target 1	myct1
ENSGM0G00000019428	ENSGMOP00000020898	myc target 1	MYCT1
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide	naca
ENSGM0G00000001786	ENSGMOP0000001893	nanog homeobox	nanog
ENSAMXG00000019788	ENSAMXP00000020378	N-acetyltransferase 14 (GCN5-related, putative)	NAT14
ENSAMXG00000008794	ENSAMXP00000009039	nuclear receptor coactivator 3	NCOA3
ENSAMXG00000000834	ENSAMXP00000000847	nuclear receptor coactivator 5	ncoa5
ENSL0CG00000000289	ENSL0CP00000000317	nexilin (F actin binding protein)	nexn
ENSTRUG00000006570	ENSTRUP00000016131	Neurofibromatosis type 1 neurofibromin; Uncharacterized protein	NF1
ENSDARG00000042968	ENSDARP00000125468	novel immune-type receptor 10a	nitr10a
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b	nitr10b
ENSDARG00000036749	ENSDARP00000053360	novel immune-type receptor 11a	nitr11a
ENSDARG00000043398	ENSDARP00000074796	novel immune-type receptor 2a	nitr2a
ENSDARG00000075288	ENSDARP00000100048	novel immune-type receptor 4a	nitr4a
ENSDARG00000075956	ENSDARP00000075163	novel immune-type receptor 6a	nitr6a
ENSDARG00000090606	ENSDARP00000109448	novel immune-type receptor 6b	nitr6b
ENSDARG00000057941	ENSDARP00000075143	novel immune-type receptor 6c	nitr6c
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b	nitr7b
ENSDARG00000028333	ENSDARP00000053356	novel immune-type receptor 9	nitr9

ENSDARG0000069984	ENSDARP0000093090	naked cuticle homolog 3	nkd3
ENSDARG0000070419	ENSDARP00000114734	naked cuticle homolog 3, like	nkd3l
ENSDARG0000020332	ENSDARP00000010226	NK2 transcription factor related, locus 9 (Drosophila)	nkx2.9
ENSDARG0000075944	ENSDARP00000097529	neuromedin S	nms
ENSDARG0000058917	ENSDARP00000076314	nanor	nnr
ENSAMXG00000014164	ENSAMXP00000014569	nucleolar protein 7	noi7
ENSDARG0000096282	ENSDARP00000125740		notch1a
ENSGMOP00000007226	ENSGMOP00000007702	notch homolog, like	notchl
ENSORLG00000004908	ENSORLP00000006177	neuropeptide FF-amide peptide precursor like	npffl
ENSTRUG00000004010	ENSTRUP00000009502	Takifugu rubripes atrial natriuretic peptide (nppa), mRNA.	NPPA
ENSDARG0000036227	ENSDARP00000052626	neuropeptide VF precursor	npvf
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a	nr6a1a
ENSXMAG00000020237	ENSXMAP00000020284	neurogranin (protein kinase C substrate, RC3) a	nrgna
ENSDARG0000074476	ENSDARP000000112800	odontogenic, ameloblast associated	odam
ENSDARG00000078257	ENSDARP00000101277	olfactory receptor class A related 5	ora5
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6	ora6
ENSDARG00000094130	ENSDARP000000114690	organic solute carrier partner 1a	oscp1a
ENSTRUG00000003303	ENSTRUP00000007722	poly(A) binding protein interacting protein 2B	PAIP2B
ENSDARG00000071215	ENSDARP00000062739	paralemmin 3	palm3
ENSTNIG00000012654	ENSTNIP00000015627	PRKC, apoptosis, WT1, regulator	pawr
ENSGMOP00000010923	ENSGMOP00000011686	pre-B-cell leukemia homeobox interacting protein 1a	pbxip1a
ENSORLG000000000477	ENSORLP00000000583	pre-B-cell leukemia homeobox interacting protein 1b	pbxip1b
ENSDARG00000053130	ENSDARP00000069608	Purkinje cell protein 4a	pcp4a
ENSXMAG00000016832	ENSXMAP00000016859	Purkinje cell protein 4b	pcp4b
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1	pcp4l1
ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like	pcsk1nl
ENSDARG00000017127	ENSDARP00000017273	PDZK1 interacting protein 1, like	pdzk1ip1l
ENSGMOP000000005118	ENSGMOP000000005413	piggyBac transposable element derived 1	PGBD1
ENSDARG00000035133	ENSDARP00000050878	phoenix	pho
ENSDARG00000092513	ENSDARP000000113826	pku300	pku300
ENSDARG00000097426	ENSDARP000000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6	plekhg6
ENSXMAG00000013240	ENSXMAP00000013268	perilipin 3	PLIN3
ENSDARG00000089307	ENSDARP000000105705	phorbol-12-myristate-13-acetate-induced protein 1	pmaip1
ENSAMXG00000011831	ENSAMXP00000012159	pro-melanin concentrating hormone	pmch
ENSDARG00000076978	ENSDARP00000101364	pro-melanin-concentrating hormone, like	pmchl
ENSDARG00000090335	ENSDARP000000104675	polyamine modulated factor 1 binding protein 1	PMFBP1
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1	pnrc1
ENSTNIG00000001517	ENSTNIP00000002193	pancreatic progenitor cell differentiation and proliferation factor b	ppdpfb
ENSGMOP000000018779	ENSGMOP000000020167	periphilin 1	pphln1
ENSDARG00000097143	ENSDARP000000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B	ppp1r1b
ENSDARG00000068636	ENSDARP00000090124	protein phosphatase 1, regulatory subunit 26	ppp1r26
ENSXMAG00000012021	ENSXMAP00000012035	protein phosphatase 1, regulatory subunit 35	PPP1R35
ENSDARG00000078168	ENSDARP000000103006	PR domain containing 1b, with ZNF domain	prdm1b
ENSGMOP00000010482	ENSGMOP00000011213	proline rich membrane anchor 1	PRIMA1
ENSLOC00000004947	ENSLOC00000005948	prolactin releasing hormone	PRLH
ENSDARG00000026229	ENSDARP00000030466	prion protein a	prnpa
ENSDARG00000044048	ENSDARP00000064665	prion protein b	prnpb
ENSDARG00000003705	ENSDARP00000129661	prion protein, related sequence 3	prnprs3
ENSDARG00000039756	ENSDARP00000113013	PROP paired-like homeobox 1	prop1
ENSGACG00000020597	ENSGACP00000027241	proline and serine rich 1	PROSER1
ENSGMOP000000005540	ENSGMOP000000005879	proline and serine rich 2	PROSER2
ENSAMXG000000004650	ENSAMXP000000004753	proline and serine rich 3	PROSER3
ENSAMXG00000016799	ENSAMXP00000017292	proline rich 11	prr11
ENSLACG00000010167	ENSLACP00000011555	proline rich 33	PRR33
ENSGMOP000000011379	ENSGMOP00000012166	proline rich 7 (synaptic)	PRR7
ENSGACG00000002436	ENSGACP00000003179	parathyroid hormone 1a	pth1a
ENSLOC00000001413	ENSLOC00000001610	prothymosin, alpha	PTMA
ENSDARG00000021113	ENSDARP00000009093	prothymosin, alpha a	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b	ptmab
ENSDARG00000075421	ENSDARP00000069655	pituitary tumor-transforming 1	pttg1
ENSDARG00000094356	ENSDARP000000115572	poliovirus receptor-related 4	PVR4L
ENSAMXG00000000620	ENSAMXP00000000631	RAD51 associated protein 1	rad51ap1
ENSLOC00000001590	ENSLOC00000001825	RALY RNA binding protein-like	RALYL
ENSGMOP000000008853	ENSGMOP000000009462	rhomboid domain containing 3	rhbdd3
ENSAMXG00000010017	ENSAMXP00000010288	RIC3 acetylcholine receptor chaperone	RIC3
ENSGACG00000017364	ENSGACP00000022942	relaxin 1	rin1
ENSDARG00000096533	ENSDARP000000126766	RAMP-like triterpene glycoside receptor	rltgr
ENSONIG00000020842	ENSONIP00000026146	ribonuclease like 4	rnase14
ENSDARG00000097289	ENSDARP00000128419		rnf183
ENSDARG00000094018	ENSDARP00000118678	ring finger protein 214	RNF214
ENSDARG00000091124	ENSDARP00000111428	ribosomal protein S19 binding protein 1	rps19bp1
ENSDARG00000091161	ENSDARP00000110329	rapunzel	rpz
ENSDARG00000091215	ENSDARP00000106769	rapunzel 2	rpz2
ENSDARG00000069728	ENSDARP00000092473	rapunzel 3	rpz3
ENSDARG00000039871	ENSDARP00000058323	rapunzel 4	rpz4
ENSDARG00000075718	ENSDARP00000096709	rapunzel 5	rpz5
ENSDARG00000059238	ENSDARP00000021982	reticulon 4b	rt4b
ENSXMAG00000014820	ENSXMAP00000014842	S100 calcium binding protein U	s100u
ENSXMAG0000006285	ENSXMAP0000006298	S100 calcium binding protein V1	s100v1

ENSXMAG00000008524	ENSXMAP00000008536	S100 calcium binding protein V2	s100v2
ENSORLG00000009596	ENSORLP00000012025	sterile alpha motif domain containing 10a	samd10a
ENSTRUG00000015997	ENSTRUP00000040902	Squamous-cell carcinoma T-cell-recognized antigen; Uncharacterized protein	SART1
ENSNDARG00000087186	ENSNDARP000000104756	sb:cb827	sb:cb827
ENSNDARG00000079645	ENSNDARP00000087970	sc:d217	sc:d217
ENSNDARG00000090416	ENSNDARP000000106027	secretory calcium-binding phosphoprotein 1	scpp1
ENSTRUG00000003596	ENSTRUP00000008439	Takifugu rubripes secretory calcium-binding phosphoprotein 3a (scpp3a), mRNA.	scpp3a
ENSTRUG00000010211	ENSTRUP00000025713	Takifugu rubripes secretory calcium-binding phosphoprotein 3b (scpp3b), mRNA.	SCPP3B
ENSTRUG00000010197	ENSTRUP00000025680	Takifugu rubripes secretory calcium-binding phosphoprotein 3c (scpp3c), mRNA.	scpp3c
ENSTRUG00000010217	ENSTRUP00000025730	Takifugu rubripes secretory calcium-binding phosphoprotein 4 (scpp4), mRNA.	scpp4
ENSNDARG00000078622	ENSNDARP000000101096	secretory calcium-binding phosphoprotein 5	scpp5
ENSNDARG00000075598	ENSNDARP000000105916	secretory calcium-binding phosphoprotein 6	scpp6
ENSNDARG00000074132	ENSNDARP000000103282	secretory calcium-binding phosphoprotein 7	scpp7
ENSNDARG00000093124	ENSNDARP000000112614	secretory calcium-binding phosphoprotein 8	scpp8
ENSNDARG00000087178	ENSNDARP000000104811	secretory calcium-binding phosphoprotein 9	scpp9
ENSTRUG00000011119	ENSTRUP00000028068	syndecan 4	sdcd4
		sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4Gb	sema4gb
ENSNDARG00000096801	ENSNDARP000000127421	serine-rich and transmembrane domain containing 1	SERTM1
ENSAMXG00000016121	ENSAMXP00000016606	shisa family member 4	SHISA4
ENSNDARG00000071541	ENSNDARP00000096623	si:busm1-105I16.2	si:busm1-105I16.2
ENSNDARG00000070858	ENSNDARP00000095157	si:busm1-180G5.7	si:busm1-180G5.7
ENSNDARG00000089556	ENSNDARP00000095706	si:busm1-57f23.1	si:busm1-57f23.1
ENSORLG00000012002	ENSORLP00000015029	si:ch1073-111c8.3	si:ch1073-111c8.3
ENSNDARG00000086735	ENSNDARP000000128273	si:ch1073-119b3.1	si:ch1073-119b3.1
ENSNDARG00000090232	ENSNDARP000000106701	si:ch1073-143I10.2	si:ch1073-143I10.2
ENSNDARG00000094899	ENSNDARP000000116613	si:ch1073-144J5.2	si:ch1073-144J5.2
ENSNDARG00000096854	ENSNDARP000000128964	si:ch1073-15f19.2	si:ch1073-15f19.2
ENSNDARG00000095640	ENSNDARP000000120599	si:ch1073-188e1.1	si:ch1073-188e1.1
ENSNDARG00000074085	ENSNDARP000000100000	si:ch1073-214b20.2	si:ch1073-214b20.2
ENSNDARG00000060953	ENSNDARP00000095476	si:ch1073-228j22.1	si:ch1073-228j22.1
ENSNDARG00000095799	ENSNDARP000000124656	si:ch1073-228p2.2	si:ch1073-228p2.2
ENSNDARG00000095908	ENSNDARP000000125021	si:ch1073-263o8.2	si:ch1073-263o8.2
ENSNDARG00000090870	ENSNDARP000000125992	si:ch1073-270I17.3	si:ch1073-270I17.3
ENSNDARG00000097475	ENSNDARP000000128505	si:ch1073-286c18.5	si:ch1073-286c18.5
ENSNDARG00000096582	ENSNDARP000000126647	si:ch1073-291c23.2	si:ch1073-291c23.2
ENSAMXG00000009125	ENSAMXP00000009378	si:ch1073-340I21.2	si:ch1073-340I21.2
ENSNDARG00000096990	ENSNDARP000000127483	si:ch1073-340I21.3	si:ch1073-340I21.3
ENSNDARG00000088885	ENSNDARP000000110427	si:ch1073-357b18.4	si:ch1073-357b18.4
ENSNDARG00000096602	ENSNDARP000000126825	si:ch1073-385f13.3	si:ch1073-385f13.3
ENSNDARG00000092584	ENSNDARP000000095491	si:ch1073-394I4.1	si:ch1073-394I4.1
ENSNDARG00000092421	ENSNDARP000000119838	si:ch1073-416d2.4	si:ch1073-416d2.4
ENSNDARG00000097309	ENSNDARP000000128603	si:ch1073-441p17.1	si:ch1073-441p17.1
ENSNDARG00000095861	ENSNDARP000000125068	si:ch1073-443n13.2	si:ch1073-443n13.2
ENSNDARG00000097712	ENSNDARP000000128825	si:ch1073-59I16.1	si:ch1073-59I16.1
ENSNDARG00000077999	ENSNDARP000000128923	si:ch211-102c2.4	si:ch211-102c2.4
ENSNDARG00000079387	ENSNDARP000000120072	si:ch211-102c2.8	si:ch211-102c2.8
ENSNDARG00000093823	ENSNDARP000000115234	si:ch211-105j21.9	si:ch211-105j21.9
ENSNDARG00000097845	ENSNDARP000000128650	si:ch211-105n15.1	si:ch211-105n15.1
ENSNDARG00000095800	ENSNDARP000000124432	si:ch211-106e7.2	si:ch211-106e7.2
ENSNDARG00000097414	ENSNDARP000000128934	si:ch211-106h4.12	si:ch211-106h4.12
ENSNDARG00000092920	ENSNDARP000000122005	si:ch211-106h4.5	si:ch211-106h4.5
ENSNDARG00000095059	ENSNDARP000000121016	si:ch211-107e6.5	si:ch211-107e6.5
ENSNDARG00000097573	ENSNDARP000000128508	si:ch211-107e6.6	si:ch211-107e6.6
ENSNDARG00000096915	ENSNDARP000000129658	si:ch211-108c6.2	si:ch211-108c6.2
ENSNDARG00000090682	ENSNDARP000000111039	si:ch211-108d22.1	si:ch211-108d22.1
ENSNDARG00000097099	ENSNDARP000000127824	si:ch211-10d23.5	si:ch211-10d23.5
ENSNDARG00000095510	ENSNDARP000000121923	si:ch211-110e21.3	si:ch211-110e21.3
ENSNDARG00000089338	ENSNDARP000000106913	si:ch211-110p13.9	si:ch211-110p13.9
ENSNDARG00000093821	ENSNDARP000000112784	si:ch211-113e8.11	si:ch211-113e8.11
ENSNDARG00000076585	ENSNDARP00000098389	si:ch211-113p18.3	si:ch211-113p18.3
ENSNDARG00000087835	ENSNDARP000000116673	si:ch211-114c12.2	si:ch211-114c12.2
ENSNDARG00000028542	ENSNDARP00000032320	si:ch211-114I13.9	si:ch211-114I13.9
ENSGACG000000001810	ENSGACP00000002349	si:ch211-117I20.2	si:ch211-117I20.2
ENSNDARG00000097732	ENSNDARP000000128614	si:ch211-117I17.4	si:ch211-117I17.4
ENSNDARG00000096050	ENSNDARP000000125186	si:ch211-117n7.8	si:ch211-117n7.8
ENSNDARG00000092855	ENSNDARP000000116398	si:ch211-119d14.2	si:ch211-119d14.2
ENSNDARG00000094251	ENSNDARP000000117732	si:ch211-119o8.4	si:ch211-119o8.4
ENSL0CG00000000164	ENSL0CP00000000181	si:ch211-11c15.3	si:ch211-11c15.3
ENSNDARG00000092970	ENSNDARP000000114378	si:ch211-120e1.1	si:ch211-120e1.1
ENSNDARG00000070215	ENSNDARP00000093646	si:ch211-120e1.7	si:ch211-120e1.7
ENSNDARG00000094634	ENSNDARP000000115029	si:ch211-120g10.1	si:ch211-120g10.1
ENSORLG00000012256	ENSORLP00000015334	si:ch211-122I14.2	si:ch211-122I14.2
ENSNDARG00000094474	ENSNDARP000000123322	si:ch211-122I14.4	si:ch211-122I14.4
ENSNDARG00000093703	ENSNDARP000000120405	si:ch211-122I14.6	si:ch211-122I14.6
ENSNDARG00000095775	ENSNDARP000000114554	si:ch211-122I24.4	si:ch211-122I24.4
ENSNDARG00000087004	ENSNDARP000000109898	si:ch211-122I24.6	si:ch211-122I24.6
ENSNDARG00000093018	ENSNDARP000000117017	si:ch211-125e6.8	si:ch211-125e6.8
ENSNDARG00000094518	ENSNDARP000000118148	si:ch211-125g7.3	si:ch211-125g7.3
ENSNDARG00000096664	ENSNDARP000000126667		

ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1	si:ch211-12e13.1
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6	si:ch211-130h14.6
ENSONIG00000005185	ENSONIP00000006514	si:ch211-132b12.7	si:ch211-132b12.7
ENSDARG00000089477	ENSDARP00000126644	si:ch211-132g1.3	si:ch211-132g1.3
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133I5.4	si:ch211-133I5.4
ENSGACG00000002038	ENSGACP00000002642	si:ch211-133I5.7	si:ch211-133I5.7
ENSGMOP00000006929	ENSGMOP00000007366	si:ch211-133I5.8	si:ch211-133I5.8
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2	si:ch211-134c9.2
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8	si:ch211-136m16.8
ENSDARG00000078748	ENSDARP00000129560	si:ch211-137a8.4	si:ch211-137a8.4
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3	si:ch211-139d20.3
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139I2.1	si:ch211-139I2.1
ENSAMXG00000020467	ENSAMXP00000021072	si:ch211-13c6.2	si:ch211-13c6.2
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146I0.7	si:ch211-146I0.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5	si:ch211-147d7.5
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7	si:ch211-147g22.7
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4	si:ch211-149b19.4
ENSGMOP00000007181	ENSGMOP00000007652	si:ch211-149e23.4	si:ch211-149e23.4
ENSDARG00000079553	ENSDARP00000123227	si:ch211-149p10.2	si:ch211-149p10.2
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10	si:ch211-14a17.10
ENSDARG00000094522	ENSDARP00000122467	si:ch211-14c7.2	si:ch211-14c7.2
ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2	si:ch211-14i3.2
ENSDARG00000092972	ENSDARP00000113980		si:ch211-14k19.8
ENSDARG00000092746	ENSDARP00000122765	si:ch211-150o23.2	si:ch211-150o23.2
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2	si:ch211-152p23.2
ENSDARG00000097187	ENSDARP00000128396	si:ch211-153I6.6	si:ch211-153I6.6
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2	si:ch211-155e24.2
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1	si:ch211-156j16.1
ENSDARG00000094977	ENSDARP00000114107	si:ch211-156j22.4	si:ch211-156j22.4
ENSXMAG00000017438	ENSXMAP00000017468	si:ch211-157b11.14	si:ch211-157b11.14
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6	si:ch211-161c3.6
ENSDARG00000087238	ENSDARP00000110342	si:ch211-161h7.4	si:ch211-161h7.4
ENSDARG00000097407	ENSDARP00000128768	si:ch211-162e15.3	si:ch211-162e15.3
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1	si:ch211-162i14.1
ENSDARG00000094890	ENSDARP00000120066	si:ch211-163b2.4	si:ch211-163b2.4
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5	si:ch211-165a10.5
ENSDARG00000079353	ENSDARP00000103945	si:ch211-165d12.4	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2	si:ch211-170d8.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1	si:ch211-174h4.1
ENSDARG00000093015	ENSDARP00000123422	si:ch211-174j14.2	si:ch211-174j14.2
ENSXMAG00000014643	ENSXMAP00000014666	si:ch211-175f12.2	si:ch211-175f12.2
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176I24.4	si:ch211-176I24.4
ENSGMOP00000009630	ENSGMOP00000010287	si:ch211-180a12.2	si:ch211-180a12.2
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3	si:ch211-180n24.3
ENSDARG00000096963	ENSDARP00000129437		si:ch211-185a18.2
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2	si:ch211-191i18.2

ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4	si:ch211-191i18.4
ENSDARG00000095459	ENSDARP00000123372	si:ch211-191j22.3	si:ch211-191j22.3
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5	si:ch211-193k8.5
ENSORLGG00000019174	ENSORLP00000023894	si:ch211-194m7.5	si:ch211-194m7.5
ENSGMGG00000015227	ENSGMOP00000016295	si:ch211-195b21.5	si:ch211-195b21.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4	si:ch211-195h23.4
ENSXMAG00000004269	ENSXMAP00000004273	si:ch211-195m9.3	si:ch211-195m9.3
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11	si:ch211-196c10.11
ENSDARG00000041492	ENSDARP00000060824	si:ch211-196f5.2	si:ch211-196f5.2
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2	si:ch211-197e10.2
ENSORLGG0000008817	ENSORLP00000011069	si:ch211-197h24.6	si:ch211-197h24.6
ENSAMXGG00000024931	ENSAMXP00000025637	si:ch211-197k17.3	si:ch211-197k17.3
ENSGACG00000007922	ENSGACP00000010490	si:ch211-198a12.6	si:ch211-198a12.6
ENSDARG00000089333	ENSDARP00000104595	si:ch211-198c19.1	si:ch211-198c19.1
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4	si:ch211-198o12.4
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6	si:ch211-198p11.6
ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2	si:ch211-199g17.2
ENSXMAG00000003384	ENSXMAP00000003392	si:ch211-199g17.9	si:ch211-199g17.9
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1	si:ch211-199m3.1
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7	si:ch211-202c21.7
ENSDARG00000078138	ENSDARP00000100828	si:ch211-202h22.8	si:ch211-202h22.8
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2	si:ch211-207d10.2
ENSGMGG00000004391	ENSGMOP00000004655	si:ch211-207j7.2	si:ch211-207j7.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1	si:ch211-208g1.1
ENSXMAG00000020130	ENSXMAP00000020177	si:ch211-208h7.4	si:ch211-208h7.4
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2	si:ch211-209j12.2
ENSDARG00000093111	ENSDARP00000127975	si:ch211-209l18.2	si:ch211-209l18.2
ENSDARG00000092856	ENSDARP00000114642	si:ch211-210c8.7	si:ch211-210c8.7
ENSDARG00000078499	ENSDARP00000103610	si:ch211-212k5.3	si:ch211-212k5.3
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2	si:ch211-213d14.2
ENSDARG00000069595	ENSDARP00000117940	si:ch211-214c7.4	si:ch211-214c7.4
ENSDARG00000045847	ENSDARP00000067377	si:ch211-214j24.10	si:ch211-214j24.10
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14	si:ch211-214j24.14
ENSDARG00000092556	ENSDARP00000122372	si:ch211-214j8.12	si:ch211-214j8.12
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24	si:ch211-215m21.24
ENSDARG00000039423	ENSDARP00000057599	si:ch211-217g15.3	si:ch211-217g15.3
ENSDARG00000079345	ENSDARP00000125400	si:ch211-217k17.10	si:ch211-217k17.10
ENSDARG00000093748	ENSDARP00000125424	si:ch211-217k17.11	si:ch211-217k17.11
ENSDARG00000088234	ENSDARP00000125182	si:ch211-217k17.12	si:ch211-217k17.12
ENSDARG00000095434	ENSDARP00000122035	si:ch211-217k17.8	si:ch211-217k17.8
ENSDARG00000093494	ENSDARP00000120801	si:ch211-217k17.9	si:ch211-217k17.9
ENSDARG00000092364	ENSDARP00000120148	si:ch211-218c6.8	si:ch211-218c6.8
ENSDARG00000094660	ENSDARP00000119255	si:ch211-218d20.15	si:ch211-218d20.15
ENSDARG00000093977	ENSDARP00000119177	si:ch211-220f16.1	si:ch211-220f16.1
ENSDARG00000092262	ENSDARP00000120198	si:ch211-220m6.4	si:ch211-220m6.4
ENSDARG00000097684	ENSDARP00000129478	si:ch211-221j21.3	si:ch211-221j21.3
ENSDARG00000093187	ENSDARP00000117491	si:ch211-221n20.1	si:ch211-221n20.1
ENSDARG00000095671	ENSDARP00000117608	si:ch211-221n20.2	si:ch211-221n20.2
ENSDARG00000092572	ENSDARP00000119937	si:ch211-221n20.4	si:ch211-221n20.4
ENSDARG00000092120	ENSDARP00000119089	si:ch211-222d3.3	si:ch211-222d3.3
ENSDARG00000092578	ENSDARP00000113649	si:ch211-222e20.4	si:ch211-222e20.4
ENSGMGG00000011443	ENSGMOP00000012233	si:ch211-222k6.2	si:ch211-222k6.2
ENSDARG00000071578	ENSDARP00000096692	si:ch211-222k6.3	si:ch211-222k6.3
ENSDARG00000094425	ENSDARP00000116586	si:ch211-222m18.4	si:ch211-222m18.4
ENSDARG00000097269	ENSDARP00000128401	si:ch211-222n22.1	si:ch211-222n22.1
ENSDARG00000093563	ENSDARP00000116648	si:ch211-225b11.4	si:ch211-225b11.4
ENSDARG00000097453	ENSDARP00000129356	si:ch211-225b7.5	si:ch211-225b7.5
ENSDARG00000094038	ENSDARP00000118164	si:ch211-226f6.1	si:ch211-226f6.1
ENSDARG00000097229	ENSDARP00000128319	si:ch211-226h8.15	si:ch211-226h8.15
ENSAMXGG0000001404	ENSAMXP00000001429	si:ch211-226m16.2	si:ch211-226m16.2
ENSDARG00000026864	ENSDARP00000033525	si:ch211-226m16.3	si:ch211-226m16.3
ENSDARG00000093984	ENSDARP00000120080	si:ch211-227e10.2	si:ch211-227e10.2
ENSDARG00000096917	ENSDARP00000129817	si:ch211-227m13.1	si:ch211-227m13.1
ENSDARG00000045646	ENSDARP00000067120	si:ch211-227p7.1	si:ch211-227p7.1
ENSDARG00000093422	ENSDARP00000120431	si:ch211-229b6.1	si:ch211-229b6.1
ENSDARG00000095101	ENSDARP00000119024	si:ch211-229g14.3	si:ch211-229g14.3
ENSDARG00000043485	ENSDARP00000127061	si:ch211-22i13.2	si:ch211-22i13.2
ENSDARG00000092140	ENSDARP00000115834	si:ch211-231i17.3	si:ch211-231i17.3
ENSDARG00000095092	ENSDARP00000121498	si:ch211-232m8.3	si:ch211-232m8.3
ENSDARG00000092308	ENSDARP00000114565	si:ch211-233b23.4	si:ch211-233b23.4

ENSDARG00000079485	ENSDARP00000053521	si:ch211-234c11.3	si:ch211-234c11.3
ENSDARG00000095179	ENSDARP00000121093	si:ch211-235f1.3	si:ch211-235f1.3
ENSDARG00000092119	ENSDARP00000115442	si:ch211-235f12.2	si:ch211-235f12.2
ENSDARG00000071590	ENSDARP00000096881	si:ch211-236g6.1	si:ch211-236g6.1
ENSDARG00000056915	ENSDARP00000073953	si:ch211-237f4.6	si:ch211-237f4.6
ENSDARG00000094500	ENSDARP00000123635	si:ch211-238e22.4	si:ch211-238e22.4
ENSDARG00000054502	ENSDARP00000067126	si:ch211-238e22.5	si:ch211-238e22.5
ENSDARG00000093347	ENSDARP00000113620	si:ch211-239f4.6	si:ch211-239f4.6
ENSDARG00000094228	ENSDARP00000113775	si:ch211-239m17.1	si:ch211-239m17.1
ENSDARG00000095589	ENSDARP00000123241	si:ch211-239m17.2	si:ch211-239m17.2
ENSORLGG0000017246	ENSORLP00000021579	si:ch211-240f19.5	si:ch211-240f19.5
ENSDARG00000097680	ENSDARP00000128702	si:ch211-241f5.3	si:ch211-241f5.3
ENSDARG00000095223	ENSDARP00000117138	si:ch211-242f23.3	si:ch211-242f23.3
ENSDARG00000097681	ENSDARP00000128772	si:ch211-244k5.1	si:ch211-244k5.1
ENSDARG00000041911	ENSDARP00000061416	si:ch211-245h14.1	si:ch211-245h14.1
ENSDARG00000092455	ENSDARP00000116227	si:ch211-246e12.3	si:ch211-246e12.3
ENSDARG00000097637	ENSDARP00000129460	si:ch211-246i5.5	si:ch211-246i5.5
ENSDARG00000096467	ENSDARP00000126370	si:ch211-246n15.2	si:ch211-246n15.2
ENSDARG00000097693	ENSDARP00000128313	si:ch211-248a14.8	si:ch211-248a14.8
ENSDARG00000094638	ENSDARP00000116720	si:ch211-249c2.1	si:ch211-249c2.1
ENSDARG00000088251	ENSDARP00000109456	si:ch211-24o10.6	si:ch211-24o10.6
ENSDARG00000075943	ENSDARP00000101758	si:ch211-250c4.5	si:ch211-250c4.5
ENSDARG00000092945	ENSDARP00000112897	si:ch211-250g4.3	si:ch211-250g4.3
ENSDARG00000096274	ENSDARP00000126078	si:ch211-251g8.5	si:ch211-251g8.5
ENSGMGG00000011801	ENSGMOP00000012621	si:ch211-252f13.5	si:ch211-252f13.5
ENSDARG00000071800	ENSDARP00000097251	si:ch211-255f4.11	si:ch211-255f4.11
ENSDARG00000093510	ENSDARP00000115145	si:ch211-255f4.12	si:ch211-255f4.12
ENSDARG00000092575	ENSDARP00000120408	si:ch211-255f4.13	si:ch211-255f4.13
ENSDARG00000092655	ENSDARP00000116830	si:ch211-255f4.6	si:ch211-255f4.6
ENSDARG00000092848	ENSDARP00000119554	si:ch211-255f4.8	si:ch211-255f4.8
ENSDARG00000094319	ENSDARP00000117111	si:ch211-255f4.9	si:ch211-255f4.9
ENSDARG00000094310	ENSDARP00000122204	si:ch211-255g12.6	si:ch211-255g12.6
ENSDARG00000096616	ENSDARP00000127083	si:ch211-255p10.3	si:ch211-255p10.3
ENSDARG00000097032	ENSDARP00000127655	si:ch211-256a21.4	si:ch211-256a21.4
ENSDARG00000096958	ENSDARP00000129424	si:ch211-25g7.5	si:ch211-25g7.5
ENSDARG00000091695	ENSDARP00000109788	si:ch211-261i17.1	si:ch211-261i17.1
ENSDARG00000070898	ENSDARP00000095221	si:ch211-262h13.3	si:ch211-262h13.3
ENSDARG00000093353	ENSDARP00000117397	si:ch211-263m18.4	si:ch211-263m18.4
ENSDARG00000016790	ENSDARP00000020753	si:ch211-264e16.1	si:ch211-264e16.1
ENSDARG00000092714	ENSDARP00000114295	si:ch211-266a5.12	si:ch211-266a5.12
ENSORLGG00000013469	ENSORLP00000016896	si:ch211-266g18.10	si:ch211-266g18.10
ENSDARG00000097267	ENSDARP00000129262	si:ch211-266k8.6	si:ch211-266k8.6
ENSDARG00000097847	ENSDARP00000127762	si:ch211-269k10.4	si:ch211-269k10.4
ENSDARG00000090473	ENSDARP00000104972	si:ch211-269k10.5	si:ch211-269k10.5
ENSDARG00000097256	ENSDARP00000127887	si:ch211-270g19.5	si:ch211-270g19.5
ENSDARG00000095735	ENSDARP00000114899	si:ch211-271e10.1	si:ch211-271e10.1
ENSDARG00000092667	ENSDARP00000122313	si:ch211-271e10.2	si:ch211-271e10.2
ENSDARG00000093763	ENSDARP00000114010	si:ch211-271e10.6	si:ch211-271e10.6
ENSDARG00000092167	ENSDARP00000114864	si:ch211-272h9.5	si:ch211-272h9.5
ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9	si:ch211-274k16.9
ENSDARG0000007756	ENSDARP00000007773	si:ch211-274p24.4	si:ch211-274p24.4
ENSDARG00000096398	ENSDARP00000125977	si:ch211-276a17.5	si:ch211-276a17.5
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2	si:ch211-283g2.2
ENSDARG00000091997	ENSDARP00000119847	si:ch211-284e13.11	si:ch211-284e13.11
ENSDARG00000094492	ENSDARP00000115320	si:ch211-284e13.12	si:ch211-284e13.12
ENSDARG00000097952	ENSDARP00000128286	si:ch211-284e13.14	si:ch211-284e13.14
ENSDARG00000093214	ENSDARP00000115113	si:ch211-284e13.9	si:ch211-284e13.9
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2	si:ch211-286b5.2
ENSGMGG00000095159	ENSGMOP00000010167	si:ch211-286c4.6	si:ch211-286c4.6
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1	si:ch211-286j13.1
ENSDARG00000087906	ENSDARP00000105853	si:ch211-286k11.4	si:ch211-286k11.4
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3	si:ch211-33e4.3
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5	si:ch211-40k21.5
ENSDARG00000094668	ENSDARP00000114748	si:ch211-51a19.5	si:ch211-51a19.5
ENSDARG00000045914	ENSDARP00000067488	si:ch211-51e12.7	si:ch211-51e12.7
ENSDARG00000002865	ENSDARP00000002869	si:ch211-51h9.7	si:ch211-51h9.7
ENSDARG00000076539	ENSDARP00000063707	si:ch211-53m15.1	si:ch211-53m15.1
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2	si:ch211-53m15.2

ENSDARG00000013022	ENSDARP00000076012	si:ch211-59h6.1	si:ch211-59h6.1
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2	si:ch211-64i20.5_2
ENSDARG00000095580	ENSDARP00000119232	si:ch211-67e16.11	si:ch211-67e16.11
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3	si:ch211-67e16.3
ENSDARG00000086317	ENSDARP00000105628	si:ch211-67e16.4	si:ch211-67e16.4
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9	si:ch211-67n3.9
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1	si:ch211-73m21.1
ENSDARG00000094952	ENSDARP00000113145	si:ch211-74m13.1	si:ch211-74m13.1
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7	si:ch211-76m11.7
ENSGMOP00000019239	ENSGMOP00000020690	si:ch211-79k12.1	si:ch211-79k12.1
ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1	si:ch211-80h18.1
ENSAMXG00000010045	ENSAMXP00000010315	si:ch211-81a5.8	si:ch211-81a5.8
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3	si:ch211-85n16.3
ENSDARG00000074098	ENSDARP00000100670	si:ch211-86h15.1	si:ch211-86h15.1
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1	si:ch211-89o5.1
ENSGMOP00000020388	ENSGMOP00000021874	si:ch211-89o9.6	si:ch211-89o9.6
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3	si:ch211-95j8.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2	si:ch73-103l1.2
ENSONIG00000016582	ENSONIP00000020883	si:ch73-106k19.5	si:ch73-106k19.5
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1	si:ch73-112l6.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6	si:ch73-124g13.6
ENSAMXG00000016548	ENSAMXP00000017040	si:ch73-127m5.2	si:ch73-127m5.2
ENSAMXG00000008928	ENSAMXP00000009181	si:ch73-140j24.4	si:ch73-140j24.4
ENSDARG00000097804	ENSDARP00000129351	si:ch73-156o22.2	si:ch73-156o22.2
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3	si:ch73-191k20.3
ENSDARG00000076865	ENSDARP00000110233	si:ch73-193c12.2	si:ch73-193c12.2
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193i22.1	si:ch73-193i22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3	si:ch73-194h10.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211l13.2	si:ch73-211l13.2
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2	si:ch73-222f22.2
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2	si:ch73-223p23.2
ENSDARG00000095939	ENSDARP00000124684	si:ch73-226l13.2	si:ch73-226l13.2
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3	si:ch73-256j6.3
ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2	si:ch73-261i21.2
ENSGMOP00000017703	ENSGMOP00000019030	si:ch73-265d7.2	si:ch73-265d7.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1	si:ch73-274k23.1
ENSDARG00000058759	ENSDARP00000076129	si:ch73-27e22.1	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4	si:ch73-27e22.4
ENSDARG00000031731	ENSDARP00000093537	si:ch73-27e22.6	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8	si:ch73-27e22.8
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-30l9.1	si:ch73-30l9.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4	si:ch73-322b17.4

ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3	si:ch73-330k17.3
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3	si:ch73-338a16.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1	si:ch73-344o19.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2	si:ch73-358j7.2
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2	si:ch73-367p23.2
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2	si:ch73-390p7.2
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3	si:ch73-44m9.3
ENSLOGCG00000009854	ENSLOCP00000012045	si:ch73-49p17.1	si:ch73-49p17.1
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1	si:ch73-52p7.1
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2	si:ch73-6k14.2
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4	si:dkey-100n23.4
ENSDARG00000058537	ENSDARP00000096688	si:dkey-102c8.2	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3	si:dkey-102c8.3
ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3	si:dkey-102g19.3
ENSDARG00000095057	ENSDARP00000114368	si:dkey-103d23.3	si:dkey-103d23.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106i3.7	si:dkey-106i3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7	si:dkey-108k21.7
ENSDARG00000079133	ENSDARP00000104147	si:dkey-10c21.1	si:dkey-10c21.1
ENSDARG00000074628	ENSDARP00000115004	si:dkey-10o6.2	si:dkey-10o6.2
ENSDARG00000070315	ENSDARP00000093832	si:dkey-10p5.7	si:dkey-10p5.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4	si:dkey-111e8.4
ENSDARG00000093960	ENSDARP00000114887	si:dkey-111e8.5	si:dkey-111e8.5
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1	si:dkey-111i23.1
ENSDARG00000093201	ENSDARP00000116952	si:dkey-112e17.1	si:dkey-112e17.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2	si:dkey-114l24.2
ENSDARG00000093120	ENSDARP00000115667	si:dkey-117m1.4	si:dkey-117m1.4
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3	si:dkey-117n7.3
ENSDARG00000096457	ENSDARP00000126436	si:dkey-118j18.2	si:dkey-118j18.2
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9	si:dkey-11e23.9
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7	si:dkey-121h17.7
ENSDARG00000095821	ENSDARP00000124148	si:dkey-122a22.2	si:dkey-122a22.2
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126g1.9	si:dkey-126g1.9
ENSDARG00000089480	ENSDARP00000122373	si:dkey-12j5.1	si:dkey-12j5.1
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1	si:dkey-12l12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10	si:dkey-13i19.10
ENSDARG00000090700	ENSDARP00000126601	si:dkey-13m3.2	si:dkey-13m3.2
ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11	si:dkey-149i17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o1.20	si:dkey-14o1.20
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3	si:dkey-162h11.3
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2	si:dkey-167i21.2
ENSDARG00000089862	ENSDARP00000111873	si:dkey-16j16.4	si:dkey-16j16.4
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8	si:dkey-16p19.8

ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8	si:dkey-172o10.8
ENSTNIG00000004975	ENSTNIP00000007640	si:dkey-172o19.2	si:dkey-172o19.2
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15	si:dkey-17e16.15
ENSORLG00000002881	ENSORLP00000003598	si:dkey-17e16.17	si:dkey-17e16.17
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein	si:dkey-17e16.18
ENSGMOP00000018570	ENSGMOP00000019965	si:dkey-17e16.8	si:dkey-17e16.8
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7	si:dkey-184p9.7
ENSDARG00000058682	ENSDARP00000076041	si:dkey-184p9.9	si:dkey-184p9.9
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4	si:dkey-187a12.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1	si:dkey-191j3.1
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2	si:dkey-192k22.2
ENSGMOP00000007440	ENSGMOP00000007954	si:dkey-193c22.1	si:dkey-193c22.1
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7	si:dkey-199f5.7
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11	si:dkey-19a16.11
ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13	si:dkey-19a16.13
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200f5.4	si:dkey-200f5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2	si:dkey-201i21.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13	si:dkey-204f11.13
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1	si:dkey-205h23.1
ENSDARG00000043540	ENSDARP00000092008	si:dkey-207f24.2	si:dkey-207f24.2
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1	si:dkey-207n5.1
ENSDARG00000076972	ENSDARP00000075680	si:dkey-208k22.3	si:dkey-208k22.3
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3	si:dkey-208m12.3
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12	si:dkey-20d21.12
ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15	si:dkey-21h14.15
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221i4.10	si:dkey-221i4.10
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5	si:dkey-225f23.5

ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2	si:dkey-229e3.2
ENSGMOG00000016931	ENSGMOP00000018174	si:dkey-22f5.9	si:dkey-22f5.9
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1	si:dkey-22i1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3	si:dkey-237j11.3
ENSDARG00000069537	ENSDARP00000092066	si:dkey-238c7.16	si:dkey-238c7.16
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13	si:dkey-238d18.13
ENSORLGO0000006372	ENSORLP00000008002	si:dkey-238d18.4	si:dkey-238d18.4
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6	si:dkey-238d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4	si:dkey-238m4.4
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4	si:dkey-241f21.4
ENSDARG00000069189	ENSDARP00000091267	si:dkey-242h9.3	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5	si:dkey-242h9.5
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3	si:dkey-24i11.3
ENSDARG00000079126	ENSDARP00000104217	si:dkey-250i3.3	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4	si:dkey-250k15.4
ENSDARG00000079762	ENSDARP00000109759	si:dkey-253d23.4	si:dkey-253d23.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8	si:dkey-256e7.8
ENSDARG00000021849	ENSDARP00000033960	si:dkey-256h2.1	si:dkey-256h2.1
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5	si:dkey-25o1.5
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7	si:dkey-25o1.7
ENSDARG00000032993	ENSDARP00000041769	si:dkey-25o1.9	si:dkey-25o1.9
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1	si:dkey-260g12.1
ENSDARG00000095268	ENSDARP00000115242	si:dkey-261h17.1	si:dkey-261h17.1
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2	si:dkey-262k9.2
ENSLCG00000003866	ENSLCPO0000004611	si:dkey-262k9.4	si:dkey-262k9.4
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3	si:dkey-264f17.3
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4	si:dkey-266f7.4
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7	si:dkey-267j14.7
ENSDARG00000096437	ENSDARP00000126340	si:dkey-26h11.1	si:dkey-26h11.1
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2	si:dkey-26m3.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1	si:dkey-273g18.1
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2	si:dkey-277m11.2
ENSDARG00000093621	ENSDARP00000118008	si:dkey-27b3.4	si:dkey-27b3.4
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2	si:dkey-27h10.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1	si:dkey-27i15.1
ENSDARG00000092228	ENSDARP00000114575	si:dkey-27p18.3	si:dkey-27p18.3
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7	si:dkey-27p18.7
ENSORLGO0000007493	ENSORLP00000009395	si:dkey-282h22.5	si:dkey-282h22.5
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1	si:dkey-286h21.1

ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6	si:dkey-287g12.6
ENSGMOP00000004305	ENSGMOP00000004580	si:dkey-28n18.9	si:dkey-28n18.9
ENSMAG00000004498	ENSMAP00000004497	si:dkey-30c15.13	si:dkey-30c15.13
ENSMAG00000004556	ENSMAP00000004556	si:dkey-30c15.2	si:dkey-30c15.2
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1	si:dkey-33i11.1
ENSTRUG00000096111	ENSTRUP00000024151	si:dkey-33o22.1	si:dkey-33o22.1
ENSGMOP00000005964	ENSGMOP00000006329	si:dkey-34f9.3	si:dkey-34f9.3
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3	si:dkey-34o23.3
ENSORLG00000010861	ENSORLP00000013621	si:dkey-35m8.1	si:dkey-35m8.1
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2	si:dkey-38n4.2
ENSDARG00000045669	ENSDARP00000067150	si:dkey-39a18.1	si:dkey-39a18.1
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1	si:dkey-40c23.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16	si:dkey-42i9.16
ENSMAG00000017643	ENSMAP00000017676	si:dkey-42i9.8	si:dkey-42i9.8
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11	si:dkey-4c2.11
ENSDARG00000095073	ENSDARP00000117177	si:dkey-4c23.4	si:dkey-4c23.4
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4	si:dkey-4p15.4
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52l18.4	si:dkey-52l18.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2	si:dkey-54g2.2
ENSGMOP00000017776	ENSGMOP00000019111	si:dkey-54n8.2	si:dkey-54n8.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7	si:dkey-56m15.7
ENSDARG00000092651	ENSDARP00000117553	si:dkey-57a22.11	si:dkey-57a22.11
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1	si:dkey-57c22.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10	si:dkey-58f10.10
ENSDARG00000094935	ENSDARP00000116305	si:dkey-58f10.11	si:dkey-58f10.11
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14	si:dkey-58f10.14
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4	si:dkey-58f10.4
ENSDARG00000094489	ENSDARP00000120147	si:dkey-58f10.6	si:dkey-58f10.6
ENSDARG00000091972	ENSDARP00000112844	si:dkey-58f10.7	si:dkey-58f10.7
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59l11.7	si:dkey-59l11.7
ENSDARG00000094528	ENSDARP00000117624	si:dkey-61m24.1	si:dkey-61m24.1
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1	si:dkey-65b13.1
ENSDARG00000093234	ENSDARP00000116561	si:dkey-65i23.2	si:dkey-65i23.2
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2	si:dkey-66g10.2
ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66l17.4	si:dkey-66l17.4
ENSDARG00000055389	ENSDARP00000072206	si:dkey-67c22.2	si:dkey-67c22.2
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3	si:dkey-6f10.3

ENSDARG00000092390	ENSDARP00000120910	si:dkey-6f10.4	si:dkey-6f10.4
ENSDARG00000058032	ENSDARP00000075278	si:dkey-6n6.2	si:dkey-6n6.2
ENSDARG00000092039	ENSDARP00000119877	si:dkey-70p6.1	si:dkey-70p6.1
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2	si:dkey-75a21.2
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1	si:dkey-79c1.1
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24	si:dkey-7i4.24
ENSDARG00000097528	ENSDARP00000128310	si:dkey-7j14.5	si:dkey-7j14.5
ENSGMOP00000019826	ENSGMOP00000021313	si:dkey-7l6.3	si:dkey-7l6.3
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2	si:dkey-81e3.2
ENSDARG00000094074	ENSDARP00000118587	si:dkey-81h8.1	si:dkey-81h8.1
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3	si:dkey-84h14.3
ENSDARG00000095047	ENSDARP00000121197	si:dkey-85k15.4	si:dkey-85k15.4
ENSDARG00000094385	ENSDARP00000112862	si:dkey-85k15.6	si:dkey-85k15.6
ENSDARG00000094759	ENSDARP00000123537	si:dkey-85k15.7	si:dkey-85k15.7
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8	si:dkey-85n7.8
ENSDARG00000043536	ENSDARP00000063916	si:dkey-86e18.1	si:dkey-86e18.1
ENSDARG00000095796	ENSDARP00000124470	si:dkey-87o1.2	si:dkey-87o1.2
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88l16.5	si:dkey-88l16.5
ENSDARG00000043735	ENSDARP00000064220	si:dkey-88n24.5	si:dkey-88n24.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1	si:dkey-8k3.1
ENSDARG00000093612	ENSDARP00000114776	si:dkey-92i17.2	si:dkey-92i17.2
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6	si:dkey-93m18.6
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12	si:dkey-97a13.12
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11	si:dkey-9i23.11
ENSDARG00000093997	ENSDARP00000117097	si:dkey-9i23.15	si:dkey-9i23.15
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6	si:dkey-9i23.6
ENSDARG00000095407	ENSDARP00000117530	si:dkey-9i23.8	si:dkey-9i23.8
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18	si:dkey-9p20.18
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6	si:dkeyp-100a1.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8	si:dkeyp-100h4.8
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2	si:dkeyp-106c3.2
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4	si:dkeyp-110g5.4
ENSGMOP00000011452	ENSGMOP00000012239	si:dkeyp-113d7.10	si:dkeyp-113d7.10
ENSGACG00000005216	ENSGACG00000006896	si:dkeyp-117b11.2	si:dkeyp-117b11.2
ENSAMXG00000011313	ENSAMXG00000011626	si:dkeyp-117b11.2	si:dkeyp-117b11.2
ENSAMXG00000014678	ENSAMXG00000015101	si:dkeyp-117b11.3	si:dkeyp-117b11.3
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4	si:dkeyp-117h8.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10	si:dkeyp-13a3.10
ENSDARG00000076343	ENSDARP00000118306	si:dkeyp-13d11.1	si:dkeyp-13d11.1
ENSDARG00000077519	ENSDARP00000114312	si:dkeyp-13d11.2	si:dkeyp-13d11.2
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3	si:dkeyp-20g2.3
ENSXMAG00000013037	ENSXMAG00000013060	si:dkeyp-27e10.3	si:dkeyp-27e10.3
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1	si:dkeyp-34c12.1
ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4	si:dkeyp-34f6.4
ENSDARG00000056954	ENSDARP00000050406	si:dkeyp-38g8.5	si:dkeyp-38g8.5
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5	si:dkeyp-46h3.5

ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1	si:dkeyp-50b9.1
ENSDARG00000093150	ENSDARP00000118889	si:dkeyp-51f11.9	si:dkeyp-51f11.9
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3	si:dkeyp-55f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3	si:dkeyp-67e1.3
ENSDARG00000095024	ENSDARP00000118612	si:dkeyp-68b7.10	si:dkeyp-68b7.10
ENSDARG00000087165	ENSDARP00000111500	si:dkeyp-69c1.7	si:dkeyp-69c1.7
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5	si:dkeyp-71f10.5
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein	si:dkeyp-72g6.2
ENSORLGG0000005069	ENSORLP0000006387	si:dkeyp-72g9.4	si:dkeyp-72g9.4
ENSDARG00000079589	ENSDARP00000102323	si:dkeyp-73d8.6	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8	si:dkeyp-73d8.8
ENSDARG00000076043	ENSDARP00000104267	si:dkeyp-73d8.9	si:dkeyp-73d8.9
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1	si:dkeyp-77c8.1
ENSDARG00000092369	ENSDARP00000117706	si:dkeyp-77c8.3	si:dkeyp-77c8.3
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4	si:dkeyp-77c8.4
ENSDARG00000095514	ENSDARP00000117258	si:dkeyp-77c8.5	si:dkeyp-77c8.5
ENSDARG00000058248	ENSDARP00000075535	si:dkeyp-77h1.4	si:dkeyp-77h1.4
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein	si:dkeyp-79f12.7
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1	si:dkeyp-82a1.1
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2	si:dkeyp-87a6.2
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1	si:rp71-15k1.1
ENSONIG00000021206	ENSONIP00000026508	si:rp71-1c10.10	si:rp71-1c10.10
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1	si:rp71-36n21.1
ENSDARG00000044023	ENSDARP00000064632	si:rp71-40n14.1	si:rp71-40n14.1
ENSGMGG00000006583	ENSGMOP0000006992	si:rp71-77l1.1	si:rp71-77l1.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3	si:zfos-1714f5.3
ENSAMXG00000009176	ENSAMXP00000009429	si:zfos-1762d12.1	si:zfos-1762d12.1
ENSGACG00000007884	ENSGACP00000010445	si:zfos-2269b6.1	si:zfos-2269b6.1
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1	si:zfos-332c3.1
ENSAMXG00000009831	ENSAMXP00000010105	si:zfos-411a11.3	si:zfos-411a11.3
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4	si:zfos-911d5.4
ENSORLGG0000019809	ENSORLP00000024608	Oryzias latipes alpha-2,3-sialyltransferase ST3Gal II (sial5.1), mRNA.	sial5.1
ENSDARG00000095540	ENSDARP00000115207	secreted immunoglobulin domain 1	sid1
ENSDARG00000017163	ENSDARP00000019122	siaz-interacting nuclear protein	sinup
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3	slc39a3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1	slc9a1
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae)	slx4
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4	SMCO4
ENSXMAG00000019693	ENSXMAP00000019740	small integral membrane protein 18	SMIM18
ENSDARG00000062476	ENSDARP00000084846	small nuclear RNA activating complex, polypeptide 5	snapc5
ENSORLGG00000050545	ENSORLP0000006357	Oryzias latipes suppressor of cytokine signaling 9 (socs9), mRNA.	socs9
ENSDARG00000088373	ENSDARP00000109164	sperm acrosome associated 4 like	spaca4l
ENSTNIG00000001906	ENSTNIP00000004284	spindle and centriole associated protein 1	spice1
ENSDARG00000044276	ENSDARP00000092035	secreted phosphoprotein 1	spp1
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein	sprn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2	sprn2
ENSTRUG00000006710	ENSTRUP00000016493	Shadow 2; Uncharacterized protein	SPRNB
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4	SRRM4
ENSORLGG00000019158	ENSORLP00000023876	somatostatin 1, tandem duplicate 2	sst1.2
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2	sst2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6	sst6

ENSAMXG00000013668	ENSAMXP00000014061	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	st13
ENSNDARG00000035694	ENSNDARP000000095945	starmaker	stm
ENSXMAG00000003433	ENSXMAMP00000003437	stathmin domain containing 1	STMND1
ENSTNIG00000009017	ENSTNIP00000011873	surfeit 2	SURF2
ENSNDARG00000088405	ENSNDARP00000112193	supervillin b	svilb
ENSXMAG00000008790	ENSXMAMP00000008802	SWIM-type zinc finger 7 associated protein 1	swsap1
ENSXMAG00000016381	ENSXMAMP00000016406	syncoilin, intermediate filament protein	sync
ENSNDARG00000052429	ENSNDARP00000068774	synaptogyrin 2a	syngnr2a
ENSNDARG00000094788	ENSNDARP00000123319	tol2 transposon-derived gene trap locus 4A	t2gtl4a
ENSNDARG00000093089	ENSNDARP00000121994	tachykinin 3a	tac3a
ENSNDARG00000097596	ENSNDARP00000128229	tachykinin 3b	tac3b
ENSNDARG00000096234	ENSNDARP00000126245	tachykinin 4 (hemokinin)	tac4
ENSNDARG00000090402	ENSNDARP00000108544	TRAF family member-associated NFKB activator	tank
ENSNDARG00000079880	ENSNDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1	tas2r200.1
ENSNDARG00000074066	ENSNDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2	tas2r200.2
ENSNDARG00000097740	ENSNDARP00000119872	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B)	tecb2
ENSAMXG00000019139	ENSAMXP00000019706	testis expressed 2	tex2
ENSTNIG00000006016	ENSTNIP00000008758	thyroglobulin	TG
ENSAMXG00000011719	ENSAMXP00000012047	thrombopoietin	thpo
ENSNDARG00000035018	ENSNDARP00000045409	Thy-1 cell surface antigen	thy1
ENSGMOP00000015761	ENSGMOP00000016908	TERF1 (TRF1)-interacting nuclear factor 2	tinf2
ENSAMXG00000004518	ENSAMXP00000004624	translational machinery associated 7 homolog (S. cerevisiae)	tma7
ENSORLG00000008176	ENSORLP00000010267	transmembrane protein 100	TMEM100
ENSNDARG00000095259	ENSNDARP00000120390	transmembrane protein 119a	tmem119a
ENSNDARG00000095674	ENSNDARP00000122717	transmembrane protein 123	tmem123
ENSLOC00000006911	ENSLOC00000008356	transmembrane protein 134	tmem134
ENSNDARG00000074776	ENSNDARP00000099931	transmembrane protein 154	tmem154
ENSXMAG00000000939	ENSXMAMP00000000929	transmembrane protein 159	TMEM159
ENSNDARG00000035914	ENSNDARP00000118932	transmembrane protein 167A	tmem167a
ENSNDARG00000090105	ENSNDARP00000109907	transmembrane protein 167B	tmem167b
ENSNDARG00000094439	ENSNDARP00000114190	transmembrane protein 176l.3a	tmem176l.3a
ENSNDARG00000096874	ENSNDARP00000129057	transmembrane protein 176l.3b	tmem176l.3b
ENSTRUG00000003568	ENSTRUP00000008374	transmembrane protein 218	tmem218
ENSNDARG00000092787	ENSNDARP00000122244	transmembrane protein 261	TMEM261
ENSORLPG00000002255	ENSORLP00000002797	transmembrane protein 42	TMEM42
ENSTNIG00000006476	ENSTNIP00000009245	transmembrane protein 42	TMEM42
ENSONIG00000003932	ENSONIP00000004955	transmembrane protein 51b	tmem51b
ENSTRUG00000006012	ENSTRUP00000014625	Takifugu rubripes tumor necrosis factor beta (tnfb), mRNA.	tnfb
ENSNDARG00000079550	ENSNDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18	tnfsf18
ENSNDARG00000068760	ENSNDARP00000090344	tankyrase 1 binding protein 1	tnks1bp1
ENSNDARG00000088178	ENSNDARP00000111197	tumor protein p53 inducible nuclear protein 2	tp53inp2
ENSORLPG00000013310	ENSORLP00000016689	Oryzias latipes transformer 2a (tra2a), mRNA.	tra2a
ENSNDARG00000090027	ENSNDARP00000105738	TRIO and F-actin binding protein	triobp
ENSORLPG00000014391	ENSORLP00000018039	TMF1-regulated nuclear protein 1	TRNP1
ENSTNIG00000002945	ENSTNIP00000005513	tetraspanin 19	TSPAN19
ENSNDARG00000094675	ENSNDARP00000120873	tumor suppressor candidate 5	TUSC5
ENSAMXG00000016761	ENSAMXP00000017257	TYRO protein tyrosine kinase binding protein	tyrobp
ENSLACG00000015727	ENSLACP00000017853	UBA-like domain containing 1	UBALD1
ENSNDARG00000076244	ENSNDARP00000103417	uo:ion006	uo:ion006
ENSNDARG00000093493	ENSNDARP00000115472	urotensin-related peptide 1	urp1
ENSNDARG00000067781	ENSNDARP00000088396	urotensin II-related peptide	urp2
ENSNDARG00000053854	ENSNDARP00000070445	urotensin 2, alpha	uts2a
ENSLOC00000002591	ENSLOC00000003043	urotensin 2, beta	uts2b
ENSXMAG00000003952	ENSXMAMP00000003953	vesicle-associated membrane protein 5	vamp5
ENSXMAG00000003949	ENSXMAMP00000003952	vesicle-associated membrane protein 8 (endobrevin)	vamp8
ENSNDARG00000093053	ENSNDARP00000121078	vascular associated protein	vap
ENSAMXG00000025414	ENSAMXP00000026119	VEGF nerve growth factor inducible	vgf
ENSAMXG00000002773	ENSAMXP00000002840	VCP-interacting membrane protein	vimp
ENSNDARG00000045003	ENSNDARP00000066163	vessel-specific 1	vsg1
ENSLOC00000002324	ENSLOC00000002726	WW domain binding protein 1	WBP1
ENSORLPG00000004827	ENSORLP00000006074	WAP four-disulfide core domain 2	wfdc2
ENSNDARG00000088636	ENSNDARP00000111143	wu:fa03e10	wu:fa03e10
ENSNDARG00000092352	ENSNDARP00000115981	wu:fa92h10	wu:fa92h10
ENSNDARG00000068432	ENSNDARP00000089747	wu:fb17g07	wu:fb17g07
ENSNDARG00000076532	ENSNDARP00000099737	wu:fb18c02	wu:fb18c02
ENSNDARG00000097635	ENSNDARP00000129245	wu:fb18f06	wu:fb18f06
ENSNDARG00000092222	ENSNDARP00000120343	wu:fb64b08	wu:fb64b08
ENSGMOP00000018614	ENSGMOP00000020012	wu:fc19g04	wu:fc19g04
ENSNDARG00000086988	ENSNDARP00000106784	wu:fc26g07	wu:fc26g07
ENSNDARG00000088337	ENSNDARP00000107967	wu:fc34e06	wu:fc34e06
ENSNDARG00000077216	ENSNDARP00000103606	wu:fc51h05	wu:fc51h05
ENSNDARG00000089342	ENSNDARP00000106882	wu:fc75a09	wu:fc75a09
ENSNDARG00000073811	ENSNDARP00000098865	wu:fi34b01	wu:fi34b01
ENSNDARG00000070709	ENSNDARP00000094165	wu:fi42e03	wu:fi42e03
ENSTRUG00000017212	ENSTRUP00000044107	wu:fj29h11	wu:fj29h11
ENSGMOP00000000033	ENSGMOP00000000036	wu:fj29h11	wu:fj29h11
ENSNDARG00000089353	ENSNDARP00000108702	wu:fj30f06	wu:fj30f06
ENSNDARG00000089418	ENSNDARP00000110777	wu:fk66f10	wu:fk66f10
ENSGMOP00000000929	ENSGMOP00000000944	zinc finger, DBF-type containing 2	ZDBF2

ENSDARG00000070800	ENSDARP00000074710	zgc:109744	zgc:109744
ENSDARG00000065888	ENSDARP00000035524	zgc:111983	zgc:111983
ENSDARG00000070899	ENSDARP00000060140	zgc:112966	zgc:112966
ENSGMOG00000007637	ENSGMOP00000008172	zgc:112982	zgc:112982
ENSDARG00000026296	ENSDARP00000120817	zgc:112994	zgc:112994
ENSAMXG00000014284	ENSAMXP00000014693	zgc:113184	zgc:113184
ENSDARG00000035610	ENSDARP00000051622	zgc:113208	zgc:113208
ENSDARG00000037398	ENSDARP00000054416	zgc:113229	zgc:113229
ENSGMOG00000007945	ENSGMOP00000008494	zgc:113263	zgc:113263
ENSDARG00000059235	ENSDARP00000115677	zgc:113274	zgc:113274
ENSDARG00000056650	ENSDARP00000073631	zgc:113276	zgc:113276
ENSDARG00000038271	ENSDARP00000091845	zgc:113293	zgc:113293
ENSDARG00000071648	ENSDARP00000123723	zgc:113298	zgc:113298
ENSDARG00000069453	ENSDARP00000120117	zgc:113314	zgc:113314
ENSDARG00000058794	ENSDARP00000113650	zgc:113324	zgc:113324
ENSDARG00000038382	ENSDARP00000105217	zgc:113363	zgc:113363
ENSDARG00000037192	ENSDARP00000054087	zgc:113364	zgc:113364
ENSDARG00000073821	ENSDARP00000033162	zgc:113397	zgc:113397
ENSDARG00000039099	ENSDARP00000057100	zgc:113413	zgc:113413
ENSDARG00000051793	ENSDARP00000067963	zgc:113426	zgc:113426
ENSDARG00000017489	ENSDARP00000046944	zgc:123068	zgc:123068
ENSDARG00000030440	ENSDARP00000043344	zgc:136474	zgc:136474
ENSDARG00000070830	ENSDARP00000095090	zgc:136858	zgc:136858
ENSDARG00000095281	ENSDARP00000117065	zgc:152652	zgc:152652
ENSDARG00000039243	ENSDARP00000011827	zgc:152791	zgc:152791
ENSDARG00000086217	ENSDARP00000105266	Uncharacterized protein	zgc:152830
ENSLACG00000022259	ENSLACP00000022382	zgc:152863	zgc:152863
ENSDARG00000091442	ENSDARP00000107315	zgc:152938	zgc:152938
ENSDARG00000068663	ENSDARP00000090169	zgc:152951	zgc:152951
ENSDARG00000070423	ENSDARP00000117627	zgc:153157	zgc:153157
ENSDARG00000071446	ENSDARP00000096416	zgc:153659	zgc:153659
ENSAMXG00000024874	ENSAMXP00000025580	zgc:153675	zgc:153675
ENSGMOG00000020038	ENSGMOP00000021525	zgc:158343	zgc:158343
ENSGMOG00000013159	ENSGMOP00000014079	zgc:158398	zgc:158398
ENSDARG00000062326	ENSDARP00000113935	zgc:158409	zgc:158409
ENSDARG00000091864	ENSDARP00000115902	zgc:158701	zgc:158701
ENSDARG00000095863	ENSDARP00000060821	zgc:161979	zgc:161979
ENSDARG00000042620	ENSDARP00000062517	zgc:162356	zgc:162356
ENSDARG00000070604	ENSDARP00000094633	zgc:162509	zgc:162509
ENSAMXG00000018321	ENSAMXP00000018870	zgc:162608	zgc:162608
ENSDARG00000027639	ENSDARP00000116942	zgc:165539	zgc:165539
ENSDARG00000077741	ENSDARP00000099712	Uncharacterized protein	ZGC:165551
ENSDARG00000096566	ENSDARP00000126816	zgc:165656	zgc:165656
ENSDARG00000077248	ENSDARP00000103275	zgc:171459	zgc:171459
ENSDARG00000092924	ENSDARP00000109929	zgc:171474	zgc:171474
ENSDARG00000071643	ENSDARP00000096878	zgc:171490	zgc:171490
ENSDARG00000090578	ENSDARP00000106207	zgc:171497	zgc:171497
ENSDARG00000071553	ENSDARP00000096642	zgc:171500	zgc:171500
ENSDARG00000077493	ENSDARP00000096892	zgc:171601	zgc:171601
ENSDARG00000076721	ENSDARP00000075861	zgc:171686	zgc:171686
ENSDARG00000095966	ENSDARP00000125100	zgc:171699	zgc:171699
ENSDARG00000078638	ENSDARP00000097022	zgc:171750	zgc:171750
ENSDARG00000058791	ENSDARP00000118015	zgc:171887	zgc:171887
ENSDARG00000092885	ENSDARP00000112994	zgc:171977	zgc:171977
ENSDARG00000087531	ENSDARP00000110977	zgc:172014	zgc:172014
ENSDARG00000076530	ENSDARP00000085295	zgc:172109	zgc:172109
ENSDARG00000039100	ENSDARP00000092867	zgc:172244	zgc:172244
ENSDARG00000076958	ENSDARP00000099044	zgc:172260	zgc:172260
ENSDARG00000074983	ENSDARP00000101037	zgc:172290	zgc:172290
ENSDARG00000070714	ENSDARP00000094882	zgc:173544	zgc:173544
ENSDARG00000094800	ENSDARP00000113408	zgc:173545	zgc:173545
ENSDARG00000076476	ENSDARP00000103071	zgc:173770	zgc:173770
ENSDARG00000076949	ENSDARP00000104065	zgc:173837	zgc:173837
ENSDARG00000045424	ENSDARP00000116912	zgc:173856	zgc:173856
ENSDARG00000077110	ENSDARP00000100120	zgc:174680	zgc:174680
ENSDARG00000087318	ENSDARP00000099524	zgc:174688	zgc:174688
ENSDARG00000074780	ENSDARP00000099538	zgc:174698	zgc:174698
ENSDARG00000074395	ENSDARP00000092570	zgc:174719	zgc:174719
ENSDARG00000077571	ENSDARP00000103714	zgc:174862	zgc:174862
ENSDARG00000077303	ENSDARP00000100715	zgc:174863	zgc:174863
ENSDARG00000077176	ENSDARP00000101711	zgc:174888	zgc:174888
ENSDARG00000075314	ENSDARP00000097990	zgc:174906	zgc:174906
ENSDARG00000092626	ENSDARP00000113923	zgc:174931	zgc:174931
ENSDARG00000079255	ENSDARP00000124910	zgc:174935	zgc:174935
ENSDARG00000062057	ENSDARP00000094326	zgc:174945	zgc:174945
ENSDARG00000087933	ENSDARP00000105700	zgc:174972	zgc:174972
ENSDARG00000041727	ENSDARP00000070231	zgc:175135	zgc:175135
ENSDARG00000079916	ENSDARP00000115962	zgc:175136	zgc:175136
ENSDARG00000093584	ENSDARP00000114252	zgc:193505	zgc:193505

ENSDARG00000092873	ENSDARP00000126933	zgc:193541	zgc:193541
ENSDARG00000096843	ENSDARP00000129520	zgc:193593	zgc:193593
ENSDARG00000075614	ENSDARP00000114278	zgc:193682	zgc:193682
ENSDARG00000075575	ENSDARP00000102549	zgc:193711	zgc:193711
ENSDARG00000092387	ENSDARP00000123383	zgc:193742	zgc:193742
ENSDARG00000076552	ENSDARP00000102229	zgc:193801	zgc:193801
ENSDARG00000076652	ENSDARP00000101734	zgc:193807	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210	zgc:194210
ENSDARG00000079532	ENSDARP00000101608	zgc:194242	zgc:194242
ENSDARG00000078423	ENSDARP00000102754	zgc:194285	zgc:194285
ENSDARG00000078250	ENSDARP00000098867	zgc:194398	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686	zgc:194686
ENSDARG00000079584	ENSDARP00000098907	zgc:194930	zgc:194930
ENSAMXG00000006867	ENSAMXP00000007050	zgc:194981	zgc:194981
ENSDARG00000077138	ENSDARP00000101660	zgc:195173	zgc:195173
ENSDARG00000069311	ENSDARP00000099117	zgc:195175	zgc:195175
ENSAMXG00000007681	ENSAMXP00000007895	zgc:195245	zgc:195245
ENSONIG00000012442	ENSONIP00000015672	zgc:66455	zgc:66455
ENSDARG00000008732	ENSDARP00000021426	zgc:66479	zgc:66479
ENSDARG00000032405	ENSDARP000000049169	zgc:85975	zgc:85975
ENSDARG00000021589	ENSDARP00000123646	zgc:91811	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658	zgc:92658
ENSORLG00000006382	ENSORLP00000008020	zinc finger protein 185 (LIM domain)	ZNF185
ENSTNIG00000006508	ENSTNIP00000009278	zinc finger protein 281	ZNF281
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507	ZNF507
ENSDARG00000078164	ENSDARP000000096287	zinc finger protein 576	ZNF576
ENSORLG00000007267	ENSORLP00000009112	zinc finger protein 750	znf750
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1	znfl1
ENSORLG00000015942	ENSORLP00000019956	zona pellucida protein C	zpcx
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20	ZSCAN20
ENSLOCG00000013506	ENSLOCP00000016650	ZW10 interacting kinetochore protein	ZWINT
ENSDARG00000096427	ENSDARP00000125896	uncharacterized_1	uncharacterized_1
ENSAMXG00000000092	ENSAMXP00000000091	uncharacterized_2	uncharacterized_2
ENSAMXG00000000212	ENSAMXP00000000219	uncharacterized_3	uncharacterized_3
ENSAMXG00000000372	ENSAMXP00000000380	uncharacterized_4	uncharacterized_4
ENSAMXG00000000500	ENSAMXP00000000504	uncharacterized_5	uncharacterized_5
ENSAMXG00000000677	ENSAMXP00000000686	uncharacterized_6	uncharacterized_6
ENSAMXG00000001177	ENSAMXP00000001201	uncharacterized_7	uncharacterized_7
ENSAMXG00000001224	ENSAMXP00000001248	uncharacterized_8	uncharacterized_8
ENSAMXG00000001256	ENSAMXP00000001281	uncharacterized_9	uncharacterized_9
ENSAMXG00000001338	ENSAMXP00000001359	uncharacterized_10	uncharacterized_10
ENSAMXG00000001472	ENSAMXP00000001498	uncharacterized_11	uncharacterized_11
ENSAMXG00000002052	ENSAMXP00000002093	uncharacterized_12	uncharacterized_12
ENSAMXG00000002054	ENSAMXP00000002097	uncharacterized_13	uncharacterized_13
ENSAMXG00000002080	ENSAMXP00000002120	uncharacterized_14	uncharacterized_14
ENSAMXG00000002324	ENSAMXP00000002374	uncharacterized_15	uncharacterized_15
ENSAMXG00000002564	ENSAMXP00000002623	uncharacterized_16	uncharacterized_16
ENSAMXG00000002618	ENSAMXP00000002682	uncharacterized_17	uncharacterized_17
ENSAMXG00000002693	ENSAMXP00000002755	uncharacterized_18	uncharacterized_18
ENSAMXG00000002692	ENSAMXP00000002757	uncharacterized_19	uncharacterized_19
ENSAMXG00000002790	ENSAMXP00000002856	uncharacterized_20	uncharacterized_20
ENSAMXG00000002845	ENSAMXP00000002907	uncharacterized_21	uncharacterized_21
ENSAMXG00000002904	ENSAMXP00000002963	uncharacterized_22	uncharacterized_22
ENSAMXG00000002944	ENSAMXP00000003000	uncharacterized_23	uncharacterized_23
ENSAMXG00000002951	ENSAMXP00000003009	uncharacterized_24	uncharacterized_24
ENSAMXG00000003046	ENSAMXP00000003098	uncharacterized_25	uncharacterized_25
ENSAMXG00000003070	ENSAMXP00000003130	uncharacterized_26	uncharacterized_26
ENSAMXG00000003178	ENSAMXP00000003240	uncharacterized_27	uncharacterized_27
ENSAMXG00000003188	ENSAMXP00000003255	uncharacterized_28	uncharacterized_28
ENSAMXG00000003189	ENSAMXP00000003256	uncharacterized_29	uncharacterized_29
ENSAMXG00000003270	ENSAMXP00000003337	uncharacterized_30	uncharacterized_30
ENSAMXG00000003352	ENSAMXP00000003417	uncharacterized_31	uncharacterized_31
ENSAMXG00000003861	ENSAMXP00000003944	uncharacterized_32	uncharacterized_32
ENSAMXG00000003885	ENSAMXP00000003966	uncharacterized_33	uncharacterized_33
ENSAMXG00000004001	ENSAMXP00000004086	uncharacterized_34	uncharacterized_34
ENSAMXG00000004119	ENSAMXP00000004212	uncharacterized_35	uncharacterized_35
ENSAMXG00000004155	ENSAMXP00000004248	uncharacterized_36	uncharacterized_36
ENSAMXG00000004361	ENSAMXP00000004464	uncharacterized_37	uncharacterized_37
ENSAMXG00000004548	ENSAMXP00000004652	uncharacterized_38	uncharacterized_38
ENSAMXG00000004618	ENSAMXP00000004722	uncharacterized_39	uncharacterized_39
ENSAMXG00000004746	ENSAMXP00000004855	uncharacterized_40	uncharacterized_40
ENSAMXG00000004779	ENSAMXP00000004888	uncharacterized_41	uncharacterized_41

ENSAMXG0000004990	ENSAMXP00000005115	uncharacterized_42	uncharacterized_42
ENSAMXG0000005002	ENSAMXP00000005128	uncharacterized_43	uncharacterized_43
ENSAMXG0000005098	ENSAMXP00000005224	uncharacterized_44	uncharacterized_44
ENSAMXG0000005165	ENSAMXP00000005288	uncharacterized_45	uncharacterized_45
ENSAMXG0000005357	ENSAMXP00000005489	uncharacterized_46	uncharacterized_46
ENSAMXG0000005519	ENSAMXP00000005657	uncharacterized_47	uncharacterized_47
ENSAMXG0000005558	ENSAMXP00000005691	uncharacterized_48	uncharacterized_48
ENSAMXG0000005833	ENSAMXP00000005973	uncharacterized_49	uncharacterized_49
ENSAMXG0000005844	ENSAMXP00000005984	uncharacterized_50	uncharacterized_50
ENSAMXG0000006016	ENSAMXP00000006165	uncharacterized_51	uncharacterized_51
ENSAMXG0000006030	ENSAMXP00000006181	uncharacterized_52	uncharacterized_52
ENSAMXG0000006070	ENSAMXP00000006223	uncharacterized_53	uncharacterized_53
ENSAMXG0000006184	ENSAMXP00000006344	uncharacterized_54	uncharacterized_54
ENSAMXG0000006252	ENSAMXP00000006415	uncharacterized_55	uncharacterized_55
ENSAMXG0000006263	ENSAMXP00000006429	uncharacterized_56	uncharacterized_56
ENSAMXG0000006335	ENSAMXP00000006501	uncharacterized_57	uncharacterized_57
ENSAMXG0000006457	ENSAMXP00000006625	uncharacterized_58	uncharacterized_58
ENSAMXG0000006500	ENSAMXP00000006668	uncharacterized_59	uncharacterized_59
ENSAMXG0000006518	ENSAMXP00000006687	uncharacterized_60	uncharacterized_60
ENSAMXG0000006819	ENSAMXP00000007001	uncharacterized_61	uncharacterized_61
ENSAMXG0000006999	ENSAMXP00000007192	uncharacterized_62	uncharacterized_62
ENSAMXG0000007022	ENSAMXP00000007214	uncharacterized_63	uncharacterized_63
ENSAMXG0000007238	ENSAMXP00000007433	uncharacterized_64	uncharacterized_64
ENSAMXG0000007240	ENSAMXP00000007436	uncharacterized_65	uncharacterized_65
ENSAMXG0000007241	ENSAMXP00000007437	uncharacterized_66	uncharacterized_66
ENSAMXG0000007452	ENSAMXP00000007656	uncharacterized_67	uncharacterized_67
ENSAMXG0000007590	ENSAMXP00000007800	uncharacterized_68	uncharacterized_68
ENSAMXG0000007781	ENSAMXP00000008003	uncharacterized_69	uncharacterized_69
ENSAMXG0000007785	ENSAMXP00000008007	uncharacterized_70	uncharacterized_70
ENSAMXG0000007821	ENSAMXP00000008043	uncharacterized_71	uncharacterized_71
ENSAMXG0000007906	ENSAMXP00000008122	uncharacterized_72	uncharacterized_72
ENSAMXG0000007961	ENSAMXP00000008182	uncharacterized_73	uncharacterized_73
ENSAMXG0000008042	ENSAMXP00000008254	uncharacterized_74	uncharacterized_74
ENSAMXG0000008089	ENSAMXP00000008305	uncharacterized_75	uncharacterized_75
ENSAMXG0000008206	ENSAMXP00000008431	uncharacterized_76	uncharacterized_76
ENSAMXG0000008231	ENSAMXP00000008460	uncharacterized_77	uncharacterized_77
ENSAMXG0000008339	ENSAMXP00000008569	uncharacterized_78	uncharacterized_78
ENSAMXG0000008681	ENSAMXP00000008922	uncharacterized_79	uncharacterized_79
ENSAMXG0000008831	ENSAMXP00000009075	uncharacterized_80	uncharacterized_80
ENSAMXG0000008952	ENSAMXP00000009201	uncharacterized_81	uncharacterized_81
ENSAMXG0000009073	ENSAMXP00000009320	uncharacterized_82	uncharacterized_82
ENSAMXG0000009083	ENSAMXP00000009328	uncharacterized_83	uncharacterized_83
ENSAMXG0000009132	ENSAMXP00000009382	uncharacterized_84	uncharacterized_84
ENSAMXG0000009133	ENSAMXP00000009383	uncharacterized_85	uncharacterized_85
ENSAMXG0000009181	ENSAMXP00000009435	uncharacterized_86	uncharacterized_86
ENSAMXG0000009310	ENSAMXP00000009571	uncharacterized_87	uncharacterized_87
ENSAMXG0000009331	ENSAMXP00000009590	uncharacterized_88	uncharacterized_88
ENSAMXG0000009349	ENSAMXP00000009603	uncharacterized_89	uncharacterized_89
ENSAMXG0000009356	ENSAMXP00000009611	uncharacterized_90	uncharacterized_90
ENSAMXG0000009386	ENSAMXP00000009641	uncharacterized_91	uncharacterized_91
ENSAMXG0000009597	ENSAMXP00000009867	uncharacterized_92	uncharacterized_92
ENSAMXG0000009711	ENSAMXP00000009976	uncharacterized_93	uncharacterized_93
ENSAMXG0000009888	ENSAMXP00000010161	uncharacterized_94	uncharacterized_94
ENSAMXG0000009965	ENSAMXP00000010233	uncharacterized_95	uncharacterized_95
ENSAMXG0000009977	ENSAMXP00000010245	uncharacterized_96	uncharacterized_96
ENSAMXG00000010031	ENSAMXP00000010297	uncharacterized_97	uncharacterized_97
ENSAMXG00000010085	ENSAMXP00000010356	uncharacterized_98	uncharacterized_98
ENSAMXG00000010143	ENSAMXP00000010419	uncharacterized_99	uncharacterized_99
ENSAMXG00000010145	ENSAMXP00000010422	uncharacterized_100	uncharacterized_100
ENSAMXG00000010163	ENSAMXP00000010438	uncharacterized_101	uncharacterized_101
ENSAMXG00000010247	ENSAMXP00000010525	uncharacterized_102	uncharacterized_102
ENSAMXG00000010322	ENSAMXP00000010601	uncharacterized_103	uncharacterized_103
ENSAMXG00000010361	ENSAMXP00000010644	uncharacterized_104	uncharacterized_104
ENSAMXG00000010791	ENSAMXP00000011080	uncharacterized_105	uncharacterized_105
ENSAMXG00000010848	ENSAMXP00000011139	uncharacterized_106	uncharacterized_106
ENSAMXG00000010943	ENSAMXP00000011240	uncharacterized_107	uncharacterized_107
ENSAMXG00000011011	ENSAMXP00000011309	uncharacterized_108	uncharacterized_108
ENSAMXG00000011049	ENSAMXP00000011354	uncharacterized_109	uncharacterized_109
ENSAMXG00000011083	ENSAMXP00000011390	uncharacterized_110	uncharacterized_110
ENSAMXG00000011086	ENSAMXP00000011395	uncharacterized_111	uncharacterized_111
ENSAMXG00000011131	ENSAMXP00000011440	uncharacterized_112	uncharacterized_112
ENSAMXG00000011205	ENSAMXP00000011513	uncharacterized_113	uncharacterized_113
ENSAMXG00000011217	ENSAMXP00000011524	uncharacterized_114	uncharacterized_114
ENSAMXG00000011250	ENSAMXP00000011553	uncharacterized_115	uncharacterized_115
ENSAMXG00000011253	ENSAMXP00000011560	uncharacterized_116	uncharacterized_116
ENSAMXG00000011303	ENSAMXP00000011607	uncharacterized_117	uncharacterized_117
ENSAMXG00000011363	ENSAMXP00000011675	uncharacterized_118	uncharacterized_118
ENSAMXG00000011461	ENSAMXP00000011771	uncharacterized_119	uncharacterized_119
ENSAMXG00000011818	ENSAMXP00000012150	uncharacterized_120	uncharacterized_120

ENSAMXG00000011819	ENSAMXP00000012151	uncharacterized_121	uncharacterized_121
ENSAMXG00000011974	ENSAMXP00000012308	uncharacterized_122	uncharacterized_122
ENSAMXG00000012106	ENSAMXP00000012450	uncharacterized_123	uncharacterized_123
ENSAMXG00000012146	ENSAMXP00000012487	uncharacterized_124	uncharacterized_124
ENSAMXG00000012155	ENSAMXP00000012497	uncharacterized_125	uncharacterized_125
ENSAMXG00000012190	ENSAMXP00000012533	uncharacterized_126	uncharacterized_126
ENSAMXG00000012479	ENSAMXP00000012823	uncharacterized_127	uncharacterized_127
ENSAMXG00000012518	ENSAMXP00000012872	uncharacterized_128	uncharacterized_128
ENSAMXG00000012568	ENSAMXP00000012922	uncharacterized_129	uncharacterized_129
ENSAMXG00000012602	ENSAMXP00000012950	uncharacterized_130	uncharacterized_130
ENSAMXG00000012608	ENSAMXP00000012960	uncharacterized_131	uncharacterized_131
ENSAMXG00000012693	ENSAMXP00000013046	uncharacterized_132	uncharacterized_132
ENSAMXG00000012776	ENSAMXP00000013130	uncharacterized_133	uncharacterized_133
ENSAMXG00000012813	ENSAMXP00000013171	uncharacterized_134	uncharacterized_134
ENSAMXG00000012882	ENSAMXP00000013241	uncharacterized_135	uncharacterized_135
ENSAMXG00000012925	ENSAMXP00000013292	uncharacterized_136	uncharacterized_136
ENSAMXG00000013386	ENSAMXP00000013803	uncharacterized_137	uncharacterized_137
ENSAMXG00000013928	ENSAMXP00000014331	uncharacterized_138	uncharacterized_138
ENSAMXG00000013933	ENSAMXP00000014333	uncharacterized_139	uncharacterized_139
ENSAMXG00000013945	ENSAMXP00000014345	uncharacterized_140	uncharacterized_140
ENSAMXG00000013953	ENSAMXP00000014354	uncharacterized_141	uncharacterized_141
ENSAMXG00000014028	ENSAMXP00000014433	uncharacterized_142	uncharacterized_142
ENSAMXG00000014077	ENSAMXP00000014480	uncharacterized_143	uncharacterized_143
ENSAMXG00000014263	ENSAMXP00000014677	uncharacterized_144	uncharacterized_144
ENSAMXG00000014267	ENSAMXP00000014689	uncharacterized_145	uncharacterized_145
ENSAMXG00000014421	ENSAMXP00000014834	uncharacterized_146	uncharacterized_146
ENSAMXG00000014474	ENSAMXP00000014893	uncharacterized_147	uncharacterized_147
ENSAMXG00000014744	ENSAMXP00000015175	uncharacterized_148	uncharacterized_148
ENSAMXG00000014748	ENSAMXP00000015179	uncharacterized_149	uncharacterized_149
ENSAMXG00000014932	ENSAMXP00000015369	uncharacterized_150	uncharacterized_150
ENSAMXG00000014935	ENSAMXP00000015372	uncharacterized_151	uncharacterized_151
ENSAMXG00000014937	ENSAMXP00000015373	uncharacterized_152	uncharacterized_152
ENSAMXG00000014985	ENSAMXP00000015420	uncharacterized_153	uncharacterized_153
ENSAMXG00000014994	ENSAMXP00000015434	uncharacterized_154	uncharacterized_154
ENSAMXG00000015103	ENSAMXP00000015543	uncharacterized_155	uncharacterized_155
ENSAMXG00000015107	ENSAMXP00000015547	uncharacterized_156	uncharacterized_156
ENSAMXG00000015229	ENSAMXP00000015666	uncharacterized_157	uncharacterized_157
ENSAMXG00000015255	ENSAMXP00000015693	uncharacterized_158	uncharacterized_158
ENSAMXG00000015266	ENSAMXP00000015709	uncharacterized_159	uncharacterized_159
ENSAMXG00000015608	ENSAMXP00000016057	uncharacterized_160	uncharacterized_160
ENSAMXG00000015673	ENSAMXP00000016131	uncharacterized_161	uncharacterized_161
ENSAMXG00000015841	ENSAMXP00000016304	uncharacterized_162	uncharacterized_162
ENSAMXG00000015981	ENSAMXP00000016450	uncharacterized_163	uncharacterized_163
ENSAMXG00000016062	ENSAMXP00000016538	uncharacterized_164	uncharacterized_164
ENSAMXG00000016076	ENSAMXP00000016545	uncharacterized_165	uncharacterized_165
ENSAMXG00000016213	ENSAMXP00000016699	uncharacterized_166	uncharacterized_166
ENSAMXG00000016222	ENSAMXP00000016706	uncharacterized_167	uncharacterized_167
ENSAMXG00000016258	ENSAMXP00000016743	uncharacterized_168	uncharacterized_168
ENSAMXG00000016380	ENSAMXP00000016871	uncharacterized_169	uncharacterized_169
ENSAMXG00000016395	ENSAMXP00000016881	uncharacterized_170	uncharacterized_170
ENSAMXG00000016500	ENSAMXP00000016992	uncharacterized_171	uncharacterized_171
ENSAMXG00000016617	ENSAMXP00000017111	uncharacterized_172	uncharacterized_172
ENSAMXG00000016634	ENSAMXP00000017129	uncharacterized_173	uncharacterized_173
ENSAMXG00000016689	ENSAMXP00000017188	uncharacterized_174	uncharacterized_174
ENSAMXG00000016802	ENSAMXP00000017296	uncharacterized_175	uncharacterized_175
ENSAMXG00000016892	ENSAMXP00000017387	uncharacterized_176	uncharacterized_176
ENSAMXG00000016909	ENSAMXP00000017404	uncharacterized_177	uncharacterized_177
ENSAMXG00000016966	ENSAMXP00000017461	uncharacterized_178	uncharacterized_178
ENSAMXG00000016980	ENSAMXP00000017474	uncharacterized_179	uncharacterized_179
ENSAMXG00000017100	ENSAMXP00000017606	uncharacterized_180	uncharacterized_180
ENSAMXG00000017129	ENSAMXP00000017629	uncharacterized_181	uncharacterized_181
ENSAMXG00000017288	ENSAMXP00000017788	uncharacterized_182	uncharacterized_182
ENSAMXG00000017297	ENSAMXP00000017799	uncharacterized_183	uncharacterized_183
ENSAMXG00000017449	ENSAMXP00000017961	uncharacterized_184	uncharacterized_184
ENSAMXG00000017534	ENSAMXP00000018049	uncharacterized_185	uncharacterized_185
ENSAMXG00000017758	ENSAMXP00000018288	uncharacterized_186	uncharacterized_186
ENSAMXG00000017888	ENSAMXP00000018428	uncharacterized_187	uncharacterized_187
ENSAMXG00000017976	ENSAMXP00000018523	uncharacterized_188	uncharacterized_188
ENSAMXG00000018199	ENSAMXP00000018743	uncharacterized_189	uncharacterized_189
ENSAMXG00000018312	ENSAMXP00000018861	uncharacterized_190	uncharacterized_190
ENSAMXG00000018536	ENSAMXP00000019085	uncharacterized_191	uncharacterized_191
ENSAMXG00000018687	ENSAMXP00000019239	uncharacterized_192	uncharacterized_192
ENSAMXG00000018712	ENSAMXP00000019265	uncharacterized_193	uncharacterized_193
ENSAMXG00000019042	ENSAMXP00000019611	uncharacterized_194	uncharacterized_194
ENSAMXG00000019045	ENSAMXP00000019615	uncharacterized_195	uncharacterized_195
ENSAMXG00000019122	ENSAMXP00000019694	uncharacterized_196	uncharacterized_196
ENSAMXG00000019162	ENSAMXP00000019731	uncharacterized_197	uncharacterized_197
ENSAMXG00000019235	ENSAMXP00000019804	uncharacterized_198	uncharacterized_198
ENSAMXG00000019522	ENSAMXP00000020098	uncharacterized_199	uncharacterized_199

ENSAMXG00000019538	ENSAMXP00000020110	uncharacterized_200	uncharacterized_200
ENSAMXG00000019590	ENSAMXP00000020174	uncharacterized_201	uncharacterized_201
ENSAMXG00000019738	ENSAMXP00000020329	uncharacterized_202	uncharacterized_202
ENSAMXG00000019849	ENSAMXP00000020435	uncharacterized_203	uncharacterized_203
ENSAMXG00000020225	ENSAMXP00000020822	uncharacterized_204	uncharacterized_204
ENSAMXG00000020355	ENSAMXP00000020957	uncharacterized_205	uncharacterized_205
ENSAMXG00000020486	ENSAMXP00000021094	uncharacterized_206	uncharacterized_206
ENSAMXG00000020878	ENSAMXP00000021490	uncharacterized_207	uncharacterized_207
ENSAMXG00000020881	ENSAMXP00000021494	uncharacterized_208	uncharacterized_208
ENSAMXG00000020900	ENSAMXP00000021512	uncharacterized_209	uncharacterized_209
ENSAMXG00000021226	ENSAMXP00000021850	uncharacterized_210	uncharacterized_210
ENSAMXG00000024623	ENSAMXP00000025328	uncharacterized_211	uncharacterized_211
ENSAMXG00000024845	ENSAMXP00000025551	uncharacterized_212	uncharacterized_212
ENSAMXG00000024860	ENSAMXP00000025566	uncharacterized_213	uncharacterized_213
ENSAMXG00000024938	ENSAMXP00000025643	uncharacterized_214	uncharacterized_214
ENSAMXG00000024939	ENSAMXP00000025645	uncharacterized_215	uncharacterized_215
ENSAMXG00000024992	ENSAMXP00000025698	uncharacterized_216	uncharacterized_216
ENSAMXG00000025043	ENSAMXP00000025749	uncharacterized_217	uncharacterized_217
ENSAMXG00000025044	ENSAMXP00000025750	uncharacterized_218	uncharacterized_218
ENSAMXG00000025092	ENSAMXP00000025798	uncharacterized_219	uncharacterized_219
ENSAMXG00000025105	ENSAMXP00000025811	uncharacterized_220	uncharacterized_220
ENSAMXG00000025125	ENSAMXP00000025831	uncharacterized_221	uncharacterized_221
ENSAMXG00000025147	ENSAMXP00000025853	uncharacterized_222	uncharacterized_222
ENSAMXG00000025184	ENSAMXP00000025890	uncharacterized_223	uncharacterized_223
ENSAMXG00000025191	ENSAMXP00000025897	uncharacterized_224	uncharacterized_224
ENSAMXG00000025378	ENSAMXP00000026084	uncharacterized_225	uncharacterized_225
ENSAMXG00000025381	ENSAMXP00000026087	uncharacterized_226	uncharacterized_226
ENSAMXG00000025392	ENSAMXP00000026098	uncharacterized_227	uncharacterized_227
ENSAMXG00000025408	ENSAMXP00000026114	uncharacterized_228	uncharacterized_228
ENSAMXG00000025430	ENSAMXP00000026135	uncharacterized_229	uncharacterized_229
ENSAMXG00000025451	ENSAMXP00000026156	uncharacterized_230	uncharacterized_230
ENSAMXG00000025557	ENSAMXP00000026262	uncharacterized_231	uncharacterized_231
ENSAMXG00000025586	ENSAMXP00000026291	uncharacterized_232	uncharacterized_232
ENSAMXG00000025631	ENSAMXP00000026336	uncharacterized_233	uncharacterized_233
ENSAMXG00000025661	ENSAMXP00000026366	uncharacterized_234	uncharacterized_234
ENSAMXG00000025722	ENSAMXP00000026427	uncharacterized_235	uncharacterized_235
ENSAMXG00000025776	ENSAMXP00000026481	uncharacterized_236	uncharacterized_236
ENSAMXG00000025782	ENSAMXP00000026487	uncharacterized_237	uncharacterized_237
ENSAMXG00000025828	ENSAMXP00000026533	uncharacterized_238	uncharacterized_238
ENSAMXG00000025849	ENSAMXP00000026554	uncharacterized_239	uncharacterized_239
ENSAMXG00000025869	ENSAMXP00000026574	uncharacterized_240	uncharacterized_240
ENSAMXG00000025876	ENSAMXP00000026581	uncharacterized_241	uncharacterized_241
ENSAMXG00000025918	ENSAMXP00000026623	uncharacterized_242	uncharacterized_242
ENSAMXG00000025963	ENSAMXP00000026668	uncharacterized_243	uncharacterized_243
ENSAMXG00000025980	ENSAMXP00000026685	uncharacterized_244	uncharacterized_244
ENSAMXG00000025981	ENSAMXP00000026686	uncharacterized_245	uncharacterized_245
ENSAMXG00000026005	ENSAMXP00000026710	uncharacterized_246	uncharacterized_246
ENSAMXG00000026030	ENSAMXP00000026735	uncharacterized_247	uncharacterized_247
ENSAMXG00000026055	ENSAMXP00000026760	uncharacterized_248	uncharacterized_248
ENSAMXG00000026099	ENSAMXP00000026804	uncharacterized_249	uncharacterized_249
ENSAMXG00000026131	ENSAMXP00000026836	uncharacterized_250	uncharacterized_250
ENSAMXG00000026158	ENSAMXP00000026863	uncharacterized_251	uncharacterized_251
ENSAMXG00000026276	ENSAMXP00000026981	uncharacterized_252	uncharacterized_252
ENSAMXG00000026293	ENSAMXP00000026998	uncharacterized_253	uncharacterized_253
ENSAMXG00000026347	ENSAMXP00000027052	uncharacterized_254	uncharacterized_254
ENSAMXG00000026461	ENSAMXP00000027166	uncharacterized_255	uncharacterized_255
ENSAMXG00000026493	ENSAMXP00000027198	uncharacterized_256	uncharacterized_256
ENSGMOP00000000013	ENSGMOP00000000016	uncharacterized_257	uncharacterized_257
ENSGMOP00000000030	ENSGMOP00000000034	uncharacterized_258	uncharacterized_258
ENSGMOP00000000066	ENSGMOP00000000065	uncharacterized_259	uncharacterized_259
ENSGMOP00000000078	ENSGMOP00000000078	uncharacterized_260	uncharacterized_260
ENSGMOP00000000094	ENSGMOP00000000099	uncharacterized_261	uncharacterized_261
ENSGMOP00000000130	ENSGMOP00000000130	uncharacterized_262	uncharacterized_262
ENSGMOP00000000144	ENSGMOP00000000144	uncharacterized_263	uncharacterized_263
ENSGMOP00000000149	ENSGMOP00000000149	uncharacterized_264	uncharacterized_264
ENSGMOP00000000159	ENSGMOP00000000158	uncharacterized_265	uncharacterized_265
ENSGMOP00000000219	ENSGMOP00000000222	uncharacterized_266	uncharacterized_266
ENSGMOP00000000293	ENSGMOP00000000297	uncharacterized_267	uncharacterized_267
ENSGMOP00000000361	ENSGMOP00000000348	uncharacterized_268	uncharacterized_268
ENSGMOP00000000382	ENSGMOP00000000367	uncharacterized_269	uncharacterized_269
ENSGMOP00000000423	ENSGMOP00000000410	uncharacterized_270	uncharacterized_270
ENSGMOP00000000562	ENSGMOP00000000545	uncharacterized_271	uncharacterized_271
ENSGMOP00000000556	ENSGMOP00000000549	uncharacterized_272	uncharacterized_272
ENSGMOP00000000583	ENSGMOP00000000562	uncharacterized_273	uncharacterized_273
ENSGMOP00000000597	ENSGMOP00000000574	uncharacterized_274	uncharacterized_274
ENSGMOP00000000607	ENSGMOP00000000587	uncharacterized_275	uncharacterized_275
ENSGMOP00000000633	ENSGMOP00000000617	uncharacterized_276	uncharacterized_276
ENSGMOP00000000636	ENSGMOP00000000619	uncharacterized_277	uncharacterized_277
ENSGMOP00000000640	ENSGMOP00000000621	uncharacterized_278	uncharacterized_278

ENSGMOG00000003706	ENSGMOP00000003933	uncharacterized_358	uncharacterized_358
ENSGMOG00000003750	ENSGMOP00000003981	uncharacterized_359	uncharacterized_359
ENSGMOG00000003759	ENSGMOP00000003990	uncharacterized_360	uncharacterized_360
ENSGMOG00000003801	ENSGMOP00000004024	uncharacterized_361	uncharacterized_361
ENSGMOG00000003823	ENSGMOP00000004035	uncharacterized_362	uncharacterized_362
ENSGMOG00000003828	ENSGMOP00000004043	uncharacterized_363	uncharacterized_363
ENSGMOG00000003836	ENSGMOP00000004051	uncharacterized_364	uncharacterized_364
ENSGMOG00000003879	ENSGMOP00000004117	uncharacterized_365	uncharacterized_365
ENSGMOG00000003905	ENSGMOP00000004130	uncharacterized_366	uncharacterized_366
ENSGMOG00000003917	ENSGMOP00000004155	uncharacterized_367	uncharacterized_367
ENSGMOG00000003932	ENSGMOP00000004161	uncharacterized_368	uncharacterized_368
ENSGMOG00000003934	ENSGMOP00000004180	uncharacterized_369	uncharacterized_369
ENSGMOG00000003975	ENSGMOP00000004216	uncharacterized_370	uncharacterized_370
ENSGMOG00000003978	ENSGMOP00000004217	uncharacterized_371	uncharacterized_371
ENSGMOG00000004012	ENSGMOP00000004236	uncharacterized_372	uncharacterized_372
ENSGMOG00000004043	ENSGMOP00000004272	uncharacterized_373	uncharacterized_373
ENSGMOG00000004085	ENSGMOP00000004349	uncharacterized_374	uncharacterized_374
ENSGMOG00000004094	ENSGMOP00000004356	uncharacterized_375	uncharacterized_375
ENSGMOG00000004221	ENSGMOP00000004473	uncharacterized_376	uncharacterized_376
ENSGMOG00000004219	ENSGMOP00000004483	uncharacterized_377	uncharacterized_377
ENSGMOG00000004248	ENSGMOP00000004494	uncharacterized_378	uncharacterized_378
ENSGMOG00000004348	ENSGMOP00000004599	uncharacterized_379	uncharacterized_379
ENSGMOG00000004371	ENSGMOP00000004632	uncharacterized_380	uncharacterized_380
ENSGMOG00000004382	ENSGMOP00000004645	uncharacterized_381	uncharacterized_381
ENSGMOG00000004413	ENSGMOP00000004677	uncharacterized_382	uncharacterized_382
ENSGMOG00000004546	ENSGMOP00000004807	uncharacterized_383	uncharacterized_383
ENSGMOG00000004547	ENSGMOP00000004810	uncharacterized_384	uncharacterized_384
ENSGMOG00000004567	ENSGMOP00000004835	uncharacterized_385	uncharacterized_385
ENSGMOG00000004568	ENSGMOP00000004839	uncharacterized_386	uncharacterized_386
ENSGMOG00000004574	ENSGMOP00000004858	uncharacterized_387	uncharacterized_387
ENSGMOG00000004600	ENSGMOP00000004876	uncharacterized_388	uncharacterized_388
ENSGMOG00000004638	ENSGMOP00000004911	uncharacterized_389	uncharacterized_389
ENSGMOG00000004639	ENSGMOP00000004913	uncharacterized_390	uncharacterized_390
ENSGMOG00000004674	ENSGMOP00000004941	uncharacterized_391	uncharacterized_391
ENSGMOG00000004686	ENSGMOP00000004960	uncharacterized_392	uncharacterized_392
ENSGMOG00000004731	ENSGMOP00000005003	uncharacterized_393	uncharacterized_393
ENSGMOG00000004766	ENSGMOP00000005044	uncharacterized_394	uncharacterized_394
ENSGMOG00000004869	ENSGMOP00000005142	uncharacterized_395	uncharacterized_395
ENSGMOG00000004889	ENSGMOP00000005166	uncharacterized_396	uncharacterized_396
ENSGMOG00000004917	ENSGMOP00000005194	uncharacterized_397	uncharacterized_397
ENSGMOG00000005024	ENSGMOP00000005312	uncharacterized_398	uncharacterized_398
ENSGMOG00000005054	ENSGMOP00000005336	uncharacterized_399	uncharacterized_399
ENSGMOG00000005068	ENSGMOP00000005352	uncharacterized_400	uncharacterized_400
ENSGMOG00000005148	ENSGMOP00000005453	uncharacterized_401	uncharacterized_401
ENSGMOG00000005175	ENSGMOP00000005471	uncharacterized_402	uncharacterized_402
ENSGMOG00000005191	ENSGMOP00000005489	uncharacterized_403	uncharacterized_403
ENSGMOG00000005204	ENSGMOP00000005505	uncharacterized_404	uncharacterized_404
ENSGMOG00000005233	ENSGMOP00000005545	uncharacterized_405	uncharacterized_405
ENSGMOG00000005277	ENSGMOP00000005586	uncharacterized_406	uncharacterized_406
ENSGMOG00000005280	ENSGMOP00000005590	uncharacterized_407	uncharacterized_407
ENSGMOG00000005311	ENSGMOP00000005628	uncharacterized_408	uncharacterized_408
ENSGMOG00000005323	ENSGMOP00000005639	uncharacterized_409	uncharacterized_409
ENSGMOG00000005353	ENSGMOP00000005673	uncharacterized_410	uncharacterized_410
ENSGMOG00000005412	ENSGMOP00000005741	uncharacterized_411	uncharacterized_411
ENSGMOG00000005429	ENSGMOP00000005759	uncharacterized_412	uncharacterized_412
ENSGMOG00000005444	ENSGMOP00000005771	uncharacterized_413	uncharacterized_413
ENSGMOG00000005483	ENSGMOP00000005819	uncharacterized_414	uncharacterized_414
ENSGMOG00000005507	ENSGMOP00000005843	uncharacterized_415	uncharacterized_415
ENSGMOG00000005569	ENSGMOP00000005897	uncharacterized_416	uncharacterized_416
ENSGMOG00000005593	ENSGMOP00000005928	uncharacterized_417	uncharacterized_417
ENSGMOG00000005599	ENSGMOP00000005938	uncharacterized_418	uncharacterized_418
ENSGMOG00000005603	ENSGMOP00000005942	uncharacterized_419	uncharacterized_419
ENSGMOG00000005616	ENSGMOP00000005952	uncharacterized_420	uncharacterized_420
ENSGMOG00000005674	ENSGMOP00000006028	uncharacterized_421	uncharacterized_421
ENSGMOG00000005696	ENSGMOP00000006039	uncharacterized_422	uncharacterized_422
ENSGMOG00000005760	ENSGMOP00000006115	uncharacterized_423	uncharacterized_423
ENSGMOG00000005857	ENSGMOP00000006223	uncharacterized_424	uncharacterized_424
ENSGMOG00000005944	ENSGMOP00000006310	uncharacterized_425	uncharacterized_425
ENSGMOG00000005959	ENSGMOP00000006325	uncharacterized_426	uncharacterized_426
ENSGMOG00000005965	ENSGMOP00000006332	uncharacterized_427	uncharacterized_427
ENSGMOG00000006008	ENSGMOP00000006379	uncharacterized_428	uncharacterized_428
ENSGMOG00000006185	ENSGMOP00000006546	uncharacterized_429	uncharacterized_429
ENSGMOG00000006188	ENSGMOP00000006550	uncharacterized_430	uncharacterized_430
ENSGMOG00000006213	ENSGMOP00000006585	uncharacterized_431	uncharacterized_431
ENSGMOG00000006222	ENSGMOP00000006589	uncharacterized_432	uncharacterized_432
ENSGMOG00000006247	ENSGMOP00000006631	uncharacterized_433	uncharacterized_433
ENSGMOG00000006287	ENSGMOP00000006671	uncharacterized_434	uncharacterized_434
ENSGMOG00000006316	ENSGMOP00000006704	uncharacterized_435	uncharacterized_435
ENSGMOG00000006416	ENSGMOP00000006823	uncharacterized_436	uncharacterized_436

ENSGMOG00000013562	ENSGMOP00000014491	uncharacterized_674	uncharacterized_674
ENSGMOG00000013564	ENSGMOP00000014498	uncharacterized_675	uncharacterized_675
ENSGMOG00000013600	ENSGMOP00000014532	uncharacterized_676	uncharacterized_676
ENSGMOG00000013618	ENSGMOP00000014554	uncharacterized_677	uncharacterized_677
ENSGMOG00000013641	ENSGMOP00000014580	uncharacterized_678	uncharacterized_678
ENSGMOG00000013675	ENSGMOP00000014608	uncharacterized_679	uncharacterized_679
ENSGMOG00000013679	ENSGMOP00000014612	uncharacterized_680	uncharacterized_680
ENSGMOG00000013678	ENSGMOP00000014614	uncharacterized_681	uncharacterized_681
ENSGMOG00000013682	ENSGMOP00000014620	uncharacterized_682	uncharacterized_682
ENSGMOG00000013790	ENSGMOP00000014726	uncharacterized_683	uncharacterized_683
ENSGMOG00000013850	ENSGMOP00000014795	uncharacterized_684	uncharacterized_684
ENSGMOG00000013887	ENSGMOP00000014825	uncharacterized_685	uncharacterized_685
ENSGMOG00000013923	ENSGMOP00000014858	uncharacterized_686	uncharacterized_686
ENSGMOG00000013932	ENSGMOP00000014863	uncharacterized_687	uncharacterized_687
ENSGMOG00000013970	ENSGMOP00000014918	uncharacterized_688	uncharacterized_688
ENSGMOG00000014020	ENSGMOP00000014977	uncharacterized_689	uncharacterized_689
ENSGMOG00000014059	ENSGMOP00000015010	uncharacterized_690	uncharacterized_690
ENSGMOG00000014092	ENSGMOP00000015033	uncharacterized_691	uncharacterized_691
ENSGMOG00000014155	ENSGMOP00000015110	uncharacterized_692	uncharacterized_692
ENSGMOG00000014150	ENSGMOP00000015112	uncharacterized_693	uncharacterized_693
ENSGMOG00000014168	ENSGMOP00000015121	uncharacterized_694	uncharacterized_694
ENSGMOG00000014220	ENSGMOP00000015184	uncharacterized_695	uncharacterized_695
ENSGMOG00000014221	ENSGMOP00000015187	uncharacterized_696	uncharacterized_696
ENSGMOG00000014263	ENSGMOP00000015227	uncharacterized_697	uncharacterized_697
ENSGMOG00000014261	ENSGMOP00000015229	uncharacterized_698	uncharacterized_698
ENSGMOG00000014260	ENSGMOP00000015271	uncharacterized_699	uncharacterized_699
ENSGMOG00000014385	ENSGMOP00000015360	uncharacterized_700	uncharacterized_700
ENSGMOG00000014400	ENSGMOP00000015392	uncharacterized_701	uncharacterized_701
ENSGMOG00000014405	ENSGMOP00000015397	uncharacterized_702	uncharacterized_702
ENSGMOG00000014406	ENSGMOP00000015408	uncharacterized_703	uncharacterized_703
ENSGMOG00000014515	ENSGMOP00000015514	uncharacterized_704	uncharacterized_704
ENSGMOG00000014527	ENSGMOP00000015538	uncharacterized_705	uncharacterized_705
ENSGMOG00000014609	ENSGMOP00000015630	uncharacterized_706	uncharacterized_706
ENSGMOG00000014614	ENSGMOP00000015631	uncharacterized_707	uncharacterized_707
ENSGMOG00000014625	ENSGMOP00000015645	uncharacterized_708	uncharacterized_708
ENSGMOG00000014658	ENSGMOP00000015674	uncharacterized_709	uncharacterized_709
ENSGMOG00000014668	ENSGMOP00000015695	uncharacterized_710	uncharacterized_710
ENSGMOG00000014675	ENSGMOP00000015703	uncharacterized_711	uncharacterized_711
ENSGMOG00000014694	ENSGMOP00000015714	uncharacterized_712	uncharacterized_712
ENSGMOG00000014673	ENSGMOP00000015724	uncharacterized_713	uncharacterized_713
ENSGMOG00000014760	ENSGMOP00000015813	uncharacterized_714	uncharacterized_714
ENSGMOG00000014844	ENSGMOP00000015894	uncharacterized_715	uncharacterized_715
ENSGMOG00000014850	ENSGMOP00000015902	uncharacterized_716	uncharacterized_716
ENSGMOG00000014945	ENSGMOP00000015997	uncharacterized_717	uncharacterized_717
ENSGMOG00000014951	ENSGMOP00000016003	uncharacterized_718	uncharacterized_718
ENSGMOG00000014976	ENSGMOP00000016053	uncharacterized_719	uncharacterized_719
ENSGMOG00000015035	ENSGMOP00000016089	uncharacterized_720	uncharacterized_720
ENSGMOG00000015122	ENSGMOP00000016173	uncharacterized_721	uncharacterized_721
ENSGMOG00000015275	ENSGMOP00000016360	uncharacterized_722	uncharacterized_722
ENSGMOG00000015311	ENSGMOP00000016392	uncharacterized_723	uncharacterized_723
ENSGMOG00000015323	ENSGMOP00000016409	uncharacterized_724	uncharacterized_724
ENSGMOG00000015317	ENSGMOP00000016410	uncharacterized_725	uncharacterized_725
ENSGMOG00000015331	ENSGMOP00000016418	uncharacterized_726	uncharacterized_726
ENSGMOG00000015369	ENSGMOP00000016455	uncharacterized_727	uncharacterized_727
ENSGMOG00000015426	ENSGMOP00000016516	uncharacterized_728	uncharacterized_728
ENSGMOG00000015436	ENSGMOP00000016523	uncharacterized_729	uncharacterized_729
ENSGMOG00000015471	ENSGMOP00000016565	uncharacterized_730	uncharacterized_730
ENSGMOG00000015492	ENSGMOP00000016589	uncharacterized_731	uncharacterized_731
ENSGMOG00000015536	ENSGMOP00000016654	uncharacterized_732	uncharacterized_732
ENSGMOG00000015576	ENSGMOP00000016693	uncharacterized_733	uncharacterized_733
ENSGMOG00000015714	ENSGMOP00000016851	uncharacterized_734	uncharacterized_734
ENSGMOG00000015704	ENSGMOP00000016871	uncharacterized_735	uncharacterized_735
ENSGMOG00000015816	ENSGMOP00000016957	uncharacterized_736	uncharacterized_736
ENSGMOG00000015855	ENSGMOP00000016998	uncharacterized_737	uncharacterized_737
ENSGMOG00000015891	ENSGMOP00000017043	uncharacterized_738	uncharacterized_738
ENSGMOG00000015978	ENSGMOP00000017124	uncharacterized_739	uncharacterized_739
ENSGMOG00000015983	ENSGMOP00000017125	uncharacterized_740	uncharacterized_740
ENSGMOG00000016044	ENSGMOP00000017198	uncharacterized_741	uncharacterized_741
ENSGMOG00000016123	ENSGMOP00000017283	uncharacterized_742	uncharacterized_742
ENSGMOG00000016137	ENSGMOP00000017304	uncharacterized_743	uncharacterized_743
ENSGMOG00000016189	ENSGMOP00000017361	uncharacterized_744	uncharacterized_744
ENSGMOG00000016191	ENSGMOP00000017373	uncharacterized_745	uncharacterized_745
ENSGMOG00000016205	ENSGMOP00000017382	uncharacterized_746	uncharacterized_746
ENSGMOG00000016249	ENSGMOP00000017423	uncharacterized_747	uncharacterized_747
ENSGMOG00000016287	ENSGMOP00000017463	uncharacterized_748	uncharacterized_748
ENSGMOG00000016265	ENSGMOP00000017464	uncharacterized_749	uncharacterized_749
ENSGMOG00000016296	ENSGMOP00000017475	uncharacterized_750	uncharacterized_750
ENSGMOG00000016295	ENSGMOP00000017476	uncharacterized_751	uncharacterized_751
ENSGMOG00000016324	ENSGMOP00000017497	uncharacterized_752	uncharacterized_752

ENSXMAG00000020126	ENSXMAP00000020173	Uncharacterized protein	uncharacterized_2649
ENSXMAG00000020153	ENSXMAP00000020200	Uncharacterized protein	uncharacterized_2650
ENSXMAG00000020187	ENSXMAP00000020234	Uncharacterized protein	uncharacterized_2651
ENSXMAG00000020249	ENSXMAP00000020296	Uncharacterized protein	uncharacterized_2652
ENSXMAG00000020264	ENSXMAP00000020311	Uncharacterized protein	uncharacterized_2653
ENSXMAG00000020292	ENSXMAP00000020339	Uncharacterized protein	uncharacterized_2654
ENSXMAG00000020300	ENSXMAP00000020346	Uncharacterized protein	uncharacterized_2655
ENSXMAG00000020339	ENSXMAP00000020386	Uncharacterized protein	uncharacterized_2656
ENSXMAG00000020372	ENSXMAP00000020419	Uncharacterized protein	uncharacterized_2657
ENSXMAG00000020374	ENSXMAP00000020421	Uncharacterized protein	uncharacterized_2658
ENSXMAG00000020376	ENSXMAP00000020423	Uncharacterized protein	uncharacterized_2659
ENSXMAG00000020381	ENSXMAP00000020428	Uncharacterized protein	uncharacterized_2660
ENSXMAG00000020384	ENSXMAP00000020431	Uncharacterized protein	uncharacterized_2661
ENSLOGG00000000069	ENSLOCP00000000079	novel gene	uncharacterized_2662
ENSLOGG00000000129	ENSLOCP00000000141	novel gene	uncharacterized_2663
ENSLOGG00000000142	ENSLOCP00000000156	novel gene	uncharacterized_2664
ENSLOGG00000000147	ENSLOCP00000000161	novel gene	uncharacterized_2665
ENSLOGG00000000148	ENSLOCP00000000164	novel gene	uncharacterized_2666
ENSLOGG00000000154	ENSLOCP00000000170	novel gene	uncharacterized_2667
ENSLOGG00000000157	ENSLOCP00000000172	novel gene	uncharacterized_2668
ENSLOGG00000000161	ENSLOCP00000000176	novel gene	uncharacterized_2669
ENSLOGG00000000206	ENSLOCP00000000229	novel gene	uncharacterized_2670
ENSLOGG00000000210	ENSLOCP00000000232	novel gene	uncharacterized_2671
ENSLOGG00000000211	ENSLOCP00000000235	novel gene	uncharacterized_2672
ENSLOGG00000000231	ENSLOCP00000000255	novel gene	uncharacterized_2673
ENSLOGG00000000245	ENSLOCP00000000270	novel gene	uncharacterized_2674
ENSLOGG00000000269	ENSLOCP00000000292	novel gene	uncharacterized_2675
ENSLOGG00000000293	ENSLOCP00000000321	novel gene	uncharacterized_2676
ENSLOGG00000000312	ENSLOCP00000000338	novel gene	uncharacterized_2677
ENSLOGG00000000329	ENSLOCP00000000354	novel gene	uncharacterized_2678
ENSLOGG00000000359	ENSLOCP00000000393	novel gene	uncharacterized_2679
ENSLOGG00000000397	ENSLOCP00000000432	novel gene	uncharacterized_2680
ENSLOGG00000000415	ENSLOCP00000000453	novel gene	uncharacterized_2681
ENSLOGG00000000417	ENSLOCP00000000455	novel gene	uncharacterized_2682
ENSLOGG00000000436	ENSLOCP00000000478	novel gene	uncharacterized_2683
ENSLOGG00000000479	ENSLOCP00000000525	novel gene	uncharacterized_2684
ENSLOGG00000000487	ENSLOCP00000000533	novel gene	uncharacterized_2685
ENSLOGG00000000500	ENSLOCP00000000550	novel gene	uncharacterized_2686
ENSLOGG00000000611	ENSLOCP00000000671	novel gene	uncharacterized_2687
ENSLOGG00000000613	ENSLOCP00000000675	novel gene	uncharacterized_2688
ENSLOGG00000000621	ENSLOCP00000000687	novel gene	uncharacterized_2689
ENSLOGG00000000644	ENSLOCP00000000711	novel gene	uncharacterized_2690
ENSLOGG00000000682	ENSLOCP00000000752	novel gene	uncharacterized_2691
ENSLOGG00000000784	ENSLOCP00000000869	novel gene	uncharacterized_2692
ENSLOGG00000000813	ENSLOCP00000000901	novel gene	uncharacterized_2693
ENSLOGG00000000931	ENSLOCP00000001041	novel gene	uncharacterized_2694
ENSLOGG00000000945	ENSLOCP00000001050	novel gene	uncharacterized_2695
ENSLOGG00000000974	ENSLOCP00000001093	novel gene	uncharacterized_2696
ENSLOGG00000001002	ENSLOCP00000001127	novel gene	uncharacterized_2697
ENSLOGG00000001039	ENSLOCP00000001162	novel gene	uncharacterized_2698
ENSLOGG00000001206	ENSLOCP00000001356	novel gene	uncharacterized_2699
ENSLOGG00000001225	ENSLOCP00000001386	novel gene	uncharacterized_2700
ENSLOGG00000001450	ENSLOCP00000001650	novel gene	uncharacterized_2701
ENSLOGG00000001594	ENSLOCP00000001827	novel gene	uncharacterized_2702
ENSLOGG00000001755	ENSLOCP00000002021	novel gene	uncharacterized_2703
ENSLOGG00000001824	ENSLOCP00000002108	novel gene	uncharacterized_2704
ENSLOGG00000001922	ENSLOCP00000002222	novel gene	uncharacterized_2705
ENSLOGG00000002452	ENSLOCP00000002882	novel gene	uncharacterized_2706
ENSLOGG00000002459	ENSLOCP00000002888	novel gene	uncharacterized_2707
ENSLOGG00000002490	ENSLOCP00000002920	novel gene	uncharacterized_2708
ENSLOGG00000002573	ENSLOCP00000003021	novel gene	uncharacterized_2709
ENSLOGG00000002601	ENSLOCP00000003055	novel gene	uncharacterized_2710
ENSLOGG00000002616	ENSLOCP00000003073	novel gene	uncharacterized_2711
ENSLOGG00000002661	ENSLOCP00000003128	novel gene	uncharacterized_2712
ENSLOGG00000002930	ENSLOCP00000003442	novel gene	uncharacterized_2713
ENSLOGG00000002961	ENSLOCP00000003483	novel gene	uncharacterized_2714
ENSLOGG00000003150	ENSLOCP00000003714	novel gene	uncharacterized_2715
ENSLOGG00000003178	ENSLOCP00000003753	novel gene	uncharacterized_2716
ENSLOGG00000003391	ENSLOCP00000004016	novel gene	uncharacterized_2717
ENSLOGG00000003448	ENSLOCP00000004089	novel gene	uncharacterized_2718
ENSLOGG00000003853	ENSLOCP00000004597	novel gene	uncharacterized_2719
ENSLOGG00000003934	ENSLOCP00000004700	novel gene	uncharacterized_2720
ENSLOGG00000004066	ENSLOCP00000004855	novel gene	uncharacterized_2721
ENSLOGG00000004259	ENSLOCP00000005094	novel gene	uncharacterized_2722
ENSLOGG00000004508	ENSLOCP00000005386	novel gene	uncharacterized_2723
ENSLOGG00000004878	ENSLOCP00000005867	novel gene	uncharacterized_2724
ENSLOGG00000005089	ENSLOCP00000006127	novel gene	uncharacterized_2725
ENSLOGG00000005096	ENSLOCP00000006138	novel gene	uncharacterized_2726
ENSLOGG00000005201	ENSLOCP00000006259	novel gene	uncharacterized_2727

ENSLOGG00000005317	ENSLOCP00000006403	novel gene	uncharacterized_2728
ENSLOGG00000005769	ENSLOCP00000006968	novel gene	uncharacterized_2729
ENSLOGG00000006413	ENSLOCP00000007746	novel gene	uncharacterized_2730
ENSLOGG00000006549	ENSLOCP00000007909	novel gene	uncharacterized_2731
ENSLOGG00000006619	ENSLOCP00000007991	novel gene	uncharacterized_2732
ENSLOGG00000006649	ENSLOCP00000008028	novel gene	uncharacterized_2733
ENSLOGG00000006827	ENSLOCP00000008250	novel gene	uncharacterized_2734
ENSLOGG00000006931	ENSLOCP00000008382	novel gene	uncharacterized_2735
ENSLOGG00000007032	ENSLOCP00000008511	novel gene	uncharacterized_2736
ENSLOGG00000007389	ENSLOCP00000008963	novel gene	uncharacterized_2737
ENSLOGG00000007496	ENSLOCP00000009099	novel gene	uncharacterized_2738
ENSLOGG00000007564	ENSLOCP00000009174	novel gene	uncharacterized_2739
ENSLOGG00000007607	ENSLOCP00000009228	novel gene	uncharacterized_2740
ENSLOGG00000007618	ENSLOCP00000009238	novel gene	uncharacterized_2741
ENSLOGG00000007752	ENSLOCP00000009412	novel gene	uncharacterized_2742
ENSLOGG00000007791	ENSLOCP00000009457	novel gene	uncharacterized_2743
ENSLOGG00000007975	ENSLOCP00000009680	novel gene	uncharacterized_2744
ENSLOGG00000008093	ENSLOCP00000009828	novel gene	uncharacterized_2745
ENSLOGG00000008245	ENSLOCP00000010005	novel gene	uncharacterized_2746
ENSLOGG00000008351	ENSLOCP00000010140	novel gene	uncharacterized_2747
ENSLOGG00000008373	ENSLOCP00000010171	novel gene	uncharacterized_2748
ENSLOGG00000008497	ENSLOCP00000010339	novel gene	uncharacterized_2749
ENSLOGG00000008540	ENSLOCP00000010389	novel gene	uncharacterized_2750
ENSLOGG00000008844	ENSLOCP00000010762	novel gene	uncharacterized_2751
ENSLOGG00000009105	ENSLOCP00000011101	novel gene	uncharacterized_2752
ENSLOGG00000009270	ENSLOCP00000011309	novel gene	uncharacterized_2753
ENSLOGG00000009999	ENSLOCP00000012224	novel gene	uncharacterized_2754
ENSLOGG00000010244	ENSLOCP00000012541	novel gene	uncharacterized_2755
ENSLOGG00000010573	ENSLOCP00000012954	novel gene	uncharacterized_2756
ENSLOGG00000010605	ENSLOCP00000012991	novel gene	uncharacterized_2757
ENSLOGG00000010808	ENSLOCP00000013246	novel gene	uncharacterized_2758
ENSLOGG00000010897	ENSLOCP00000013360	novel gene	uncharacterized_2759
ENSLOGG00000010899	ENSLOCP00000013361	novel gene	uncharacterized_2760
ENSLOGG00000010908	ENSLOCP00000013371	novel gene	uncharacterized_2761
ENSLOGG00000011216	ENSLOCP00000013776	novel gene	uncharacterized_2762
ENSLOGG00000011276	ENSLOCP00000013855	novel gene	uncharacterized_2763
ENSLOGG00000011572	ENSLOCP00000014218	novel gene	uncharacterized_2764
ENSLOGG00000011901	ENSLOCP00000014635	novel gene	uncharacterized_2765
ENSLOGG00000012005	ENSLOCP00000014761	novel gene	uncharacterized_2766
ENSLOGG00000012105	ENSLOCP00000014892	novel gene	uncharacterized_2767
ENSLOGG00000012119	ENSLOCP00000014910	novel gene	uncharacterized_2768
ENSLOGG00000012458	ENSLOCP00000015336	novel gene	uncharacterized_2769
ENSLOGG00000012465	ENSLOCP00000015346	novel gene	uncharacterized_2770
ENSLOGG00000012470	ENSLOCP00000015351	novel gene	uncharacterized_2771
ENSLOGG00000012476	ENSLOCP00000015357	novel gene	uncharacterized_2772
ENSLOGG00000012480	ENSLOCP00000015361	novel gene	uncharacterized_2773
ENSLOGG00000012493	ENSLOCP00000015378	novel gene	uncharacterized_2774
ENSLOGG00000012797	ENSLOCP00000015746	novel gene	uncharacterized_2775
ENSLOGG00000012863	ENSLOCP00000015834	novel gene	uncharacterized_2776
ENSLOGG00000013461	ENSLOCP00000016597	novel gene	uncharacterized_2777
ENSLOGG00000013478	ENSLOCP00000016621	novel gene	uncharacterized_2778
ENSLOGG00000013509	ENSLOCP00000016653	novel gene	uncharacterized_2779
ENSLOGG00000013511	ENSLOCP00000016662	novel gene	uncharacterized_2780
ENSLOGG00000013532	ENSLOCP00000016686	novel gene	uncharacterized_2781
ENSLOGG00000013538	ENSLOCP00000016690	novel gene	uncharacterized_2782
ENSLOGG00000013541	ENSLOCP00000016693	novel gene	uncharacterized_2783
ENSLOGG00000013930	ENSLOCP00000017172	novel gene	uncharacterized_2784
ENSLOGG00000014007	ENSLOCP00000017266	novel gene	uncharacterized_2785
ENSLOGG00000014283	ENSLOCP00000017584	novel gene	uncharacterized_2786
ENSLOGG00000014357	ENSLOCP00000017677	novel gene	uncharacterized_2787
ENSLOGG00000014517	ENSLOCP00000017865	novel gene	uncharacterized_2788
ENSLOGG00000014853	ENSLOCP00000018288	novel gene	uncharacterized_2789
ENSLOGG00000014919	ENSLOCP00000018368	novel gene	uncharacterized_2790
ENSLOGG00000015420	ENSLOCP00000018975	novel gene	uncharacterized_2791
ENSLOGG00000015446	ENSLOCP00000019010	novel gene	uncharacterized_2792
ENSLOGG00000015457	ENSLOCP00000019022	novel gene	uncharacterized_2793
ENSLOGG00000015479	ENSLOCP00000019049	novel gene	uncharacterized_2794
ENSLOGG00000015504	ENSLOCP00000019078	novel gene	uncharacterized_2795
ENSLOGG00000015738	ENSLOCP00000019373	novel gene	uncharacterized_2796
ENSLOGG00000015797	ENSLOCP00000019448	novel gene	uncharacterized_2797
ENSLOGG00000016062	ENSLOCP00000019790	novel gene	uncharacterized_2798
ENSLOGG00000016305	ENSLOCP00000020125	novel gene	uncharacterized_2799
ENSLOGG00000016801	ENSLOCP00000020766	novel gene	uncharacterized_2800
ENSLOGG00000016972	ENSLOCP00000020980	novel gene	uncharacterized_2801
ENSLOGG00000017049	ENSLOCP00000021069	novel gene	uncharacterized_2802
ENSLOGG00000017261	ENSLOCP00000021349	novel gene	uncharacterized_2803
ENSLOGG00000017295	ENSLOCP00000021400	novel gene	uncharacterized_2804
ENSLOGG00000017304	ENSLOCP00000021409	novel gene	uncharacterized_2805
ENSLOGG00000017312	ENSLOCP00000021417	novel gene	uncharacterized_2806

ENSLOG00000017436	ENSLOCP00000021541	novel gene	uncharacterized_2807
ENSLOG00000017438	ENSLOCP00000021543	novel gene	uncharacterized_2808
ENSLOG00000017468	ENSLOCP00000021573	novel gene	uncharacterized_2809
ENSLOG00000017473	ENSLOCP00000021578	novel gene	uncharacterized_2810
ENSLOG00000017508	ENSLOCP00000021613	novel gene	uncharacterized_2811
ENSLOG00000017567	ENSLOCP00000021672	novel gene	uncharacterized_2812
ENSLOG00000017598	ENSLOCP00000021703	novel gene	uncharacterized_2813
ENSLOG00000017612	ENSLOCP00000021717	novel gene	uncharacterized_2814
ENSLOG00000017622	ENSLOCP00000021727	novel gene	uncharacterized_2815
ENSLOG00000017658	ENSLOCP00000021763	novel gene	uncharacterized_2816
ENSLOG00000017819	ENSLOCP00000021923	novel gene	uncharacterized_2817
ENSLOG00000017855	ENSLOCP00000021958	novel gene	uncharacterized_2818
ENSLOG00000017899	ENSLOCP00000022002	novel gene	uncharacterized_2819
ENSLOG00000017964	ENSLOCP00000022067	novel gene	uncharacterized_2820
ENSLOG00000017976	ENSLOCP00000022077	novel gene	uncharacterized_2821
ENSLOG00000017986	ENSLOCP00000022087	novel gene	uncharacterized_2822
ENSLOG00000018016	ENSLOCP00000022117	novel gene	uncharacterized_2823
ENSLOG00000018064	ENSLOCP00000022165	novel gene	uncharacterized_2824
ENSLOG00000018073	ENSLOCP00000022174	novel gene	uncharacterized_2825
ENSLOG00000018115	ENSLOCP00000022216	novel gene	uncharacterized_2826
ENSLOG00000018160	ENSLOCP00000022261	novel gene	uncharacterized_2827
ENSLOG00000018204	ENSLOCP00000022305	novel gene	uncharacterized_2828
ENSLOG00000018212	ENSLOCP00000022313	novel gene	uncharacterized_2829
ENSLOG00000018222	ENSLOCP00000022323	novel gene	uncharacterized_2830
ENSLOG00000018293	ENSLOCP00000022394	novel gene	uncharacterized_2831
ENSGACG00000000048	ENSGACP00000000063	novel gene	uncharacterized_2832
ENSGACG00000000058	ENSGACP00000000076	novel gene	uncharacterized_2833
ENSGACG00000000066	ENSGACP00000000085	novel gene	uncharacterized_2834
ENSGACG00000000076	ENSGACP00000000093	novel gene	uncharacterized_2835
ENSGACG00000000082	ENSGACP00000000101	novel gene	uncharacterized_2836
ENSGACG00000000153	ENSGACP00000000203	novel gene	uncharacterized_2837
ENSGACG00000000192	ENSGACP00000000250	novel gene	uncharacterized_2838
ENSGACG00000000202	ENSGACP00000000260	novel gene	uncharacterized_2839
ENSGACG00000000217	ENSGACP00000000281	novel gene	uncharacterized_2840
ENSGACG00000000222	ENSGACP00000000287	novel gene	uncharacterized_2841
ENSGACG00000000285	ENSGACP00000000359	novel gene	uncharacterized_2842
ENSGACG00000000296	ENSGACP00000000377	novel gene	uncharacterized_2843
ENSGACG00000000305	ENSGACP00000000386	novel gene	uncharacterized_2844
ENSGACG00000000315	ENSGACP00000000399	novel gene	uncharacterized_2845
ENSGACG00000000343	ENSGACP00000000433	novel gene	uncharacterized_2846
ENSGACG00000000375	ENSGACP00000000480	novel gene	uncharacterized_2847
ENSGACG00000000409	ENSGACP00000000526	novel gene	uncharacterized_2848
ENSGACG00000000430	ENSGACP00000000551	novel gene	uncharacterized_2849
ENSGACG00000000432	ENSGACP00000000553	novel gene	uncharacterized_2850
ENSGACG00000000509	ENSGACP00000000652	novel gene	uncharacterized_2851
ENSGACG00000000533	ENSGACP00000000684	novel gene	uncharacterized_2852
ENSGACG00000000546	ENSGACP00000000704	novel gene	uncharacterized_2853
ENSGACG00000000574	ENSGACP00000000741	novel gene	uncharacterized_2854
ENSGACG00000000593	ENSGACP00000000762	novel gene	uncharacterized_2855
ENSGACG00000000606	ENSGACP00000000779	novel gene	uncharacterized_2856
ENSGACG00000000621	ENSGACP00000000802	novel gene	uncharacterized_2857
ENSGACG00000000632	ENSGACP00000000815	novel gene	uncharacterized_2858
ENSGACG00000000736	ENSGACP00000000949	novel gene	uncharacterized_2859
ENSGACG00000000780	ENSGACP00000001003	novel gene	uncharacterized_2860
ENSGACG00000000808	ENSGACP00000001036	novel gene	uncharacterized_2861
ENSGACG00000000837	ENSGACP00000001083	novel gene	uncharacterized_2862
ENSGACG00000000881	ENSGACP00000001143	novel gene	uncharacterized_2863
ENSGACG00000000885	ENSGACP00000001146	novel gene	uncharacterized_2864
ENSGACG00000000889	ENSGACP00000001149	novel gene	uncharacterized_2865
ENSGACG00000000894	ENSGACP00000001157	novel gene	uncharacterized_2866
ENSGACG00000000954	ENSGACP00000001229	novel gene	uncharacterized_2867
ENSGACG00000000971	ENSGACP00000001252	novel gene	uncharacterized_2868
ENSGACG00000000981	ENSGACP00000001266	novel gene	uncharacterized_2869
ENSGACG00000001010	ENSGACP00000001309	novel gene	uncharacterized_2870
ENSGACG00000001012	ENSGACP00000001311	novel gene	uncharacterized_2871
ENSGACG00000001075	ENSGACP00000001385	novel gene	uncharacterized_2872
ENSGACG00000001079	ENSGACP00000001392	novel gene	uncharacterized_2873
ENSGACG00000001089	ENSGACP00000001404	novel gene	uncharacterized_2874
ENSGACG00000001124	ENSGACP00000001454	novel gene	uncharacterized_2875
ENSGACG00000001139	ENSGACP00000001477	novel gene	uncharacterized_2876
ENSGACG00000001210	ENSGACP00000001572	novel gene	uncharacterized_2877
ENSGACG00000001230	ENSGACP00000001594	novel gene	uncharacterized_2878
ENSGACG00000001231	ENSGACP00000001599	novel gene	uncharacterized_2879
ENSGACG00000001307	ENSGACP00000001700	novel gene	uncharacterized_2880
ENSGACG00000001314	ENSGACP00000001709	novel gene	uncharacterized_2881
ENSGACG00000001342	ENSGACP00000001740	novel gene	uncharacterized_2882
ENSGACG00000001356	ENSGACP00000001757	novel gene	uncharacterized_2883
ENSGACG00000001359	ENSGACP00000001759	novel gene	uncharacterized_2884
ENSGACG00000001436	ENSGACP00000001856	novel gene	uncharacterized_2885

ENSGACG00000019696	ENSGACP00000026027	novel gene	uncharacterized_3518
ENSGACG00000019738	ENSGACP00000026075	novel gene	uncharacterized_3519
ENSGACG00000019757	ENSGACP00000026108	novel gene	uncharacterized_3520
ENSGACG00000019763	ENSGACP00000026118	novel gene	uncharacterized_3521
ENSGACG00000019774	ENSGACP00000026133	novel gene	uncharacterized_3522
ENSGACG00000019778	ENSGACP00000026138	novel gene	uncharacterized_3523
ENSGACG00000019789	ENSGACP00000026152	novel gene	uncharacterized_3524
ENSGACG00000019807	ENSGACP00000026171	novel gene	uncharacterized_3525
ENSGACG00000019819	ENSGACP00000026192	novel gene	uncharacterized_3526
ENSGACG00000019880	ENSGACP00000026263	novel gene	uncharacterized_3527
ENSGACG00000019908	ENSGACP00000026299	novel gene	uncharacterized_3528
ENSGACG00000019950	ENSGACP00000026357	novel gene	uncharacterized_3529
ENSGACG00000019952	ENSGACP00000026359	novel gene	uncharacterized_3530
ENSGACG00000019988	ENSGACP00000026407	novel gene	uncharacterized_3531
ENSGACG00000020029	ENSGACP00000026459	novel gene	uncharacterized_3532
ENSGACG00000020064	ENSGACP00000026507	novel gene	uncharacterized_3533
ENSGACG00000020093	ENSGACP00000026546	novel gene	uncharacterized_3534
ENSGACG00000020132	ENSGACP00000026598	novel gene	uncharacterized_3535
ENSGACG00000020148	ENSGACP00000026617	novel gene	uncharacterized_3536
ENSGACG00000020177	ENSGACP00000026652	novel gene	uncharacterized_3537
ENSGACG00000020267	ENSGACP00000026782	novel gene	uncharacterized_3538
ENSGACG00000020268	ENSGACP00000026783	novel gene	uncharacterized_3539
ENSGACG00000020372	ENSGACP00000026929	novel gene	uncharacterized_3540
ENSGACG00000020448	ENSGACP00000027040	novel gene	uncharacterized_3541
ENSGACG00000020491	ENSGACP00000027097	novel gene	uncharacterized_3542
ENSGACG00000020496	ENSGACP00000027103	novel gene	uncharacterized_3543
ENSGACG00000020611	ENSGACP00000027261	novel gene	uncharacterized_3544
ENSGACG00000020648	ENSGACP00000027310	novel gene	uncharacterized_3545
ENSGACG00000020670	ENSGACP00000027336	novel gene	uncharacterized_3546
ENSGACG00000020772	ENSGACP00000027465	novel gene	uncharacterized_3547
ENSGACG00000020782	ENSGACP00000027478	novel gene	uncharacterized_3548
ENSGACG00000020792	ENSGACP00000027492	novel gene	uncharacterized_3549
ENSGACG00000020806	ENSGACP00000027508	novel gene	uncharacterized_3550
ENSGACG00000020828	ENSGACP00000027537	novel gene	uncharacterized_3551
ENSGACG00000020833	ENSGACP00000027544	novel gene	uncharacterized_3552
ENSGACG00000020852	ENSGACP00000027570	novel gene	uncharacterized_3553
ENSGACG00000020860	ENSGACP00000027581	novel gene	uncharacterized_3554
ENSGACG00000020868	ENSGACP00000027592	novel gene	uncharacterized_3555
ENSGACG00000020881	ENSGACP00000027609	novel gene	uncharacterized_3556
ENSGACG00000020882	ENSGACP00000027610	novel gene	uncharacterized_3557
ENSGACG00000020891	ENSGACP00000027625	novel gene	uncharacterized_3558
ENSGACG00000020893	ENSGACP00000027627	novel gene	uncharacterized_3559
ENSGACG00000020898	ENSGACP00000027632	novel gene	uncharacterized_3560
ENSTNIG00000001371	ENSTNIP00000000016	Uncharacterized protein	uncharacterized_3561
ENSTNIG00000000869	ENSTNIP00000000085	Uncharacterized protein	uncharacterized_3562
ENSTNIG00000001734	ENSTNIP00000000118	Uncharacterized protein	uncharacterized_3563
ENSTNIG00000001579	ENSTNIP00000000150	Uncharacterized protein	uncharacterized_3564
ENSTNIG00000000461	ENSTNIP00000000169	Uncharacterized protein	uncharacterized_3565
ENSTNIG00000000995	ENSTNIP00000000203	Uncharacterized protein	uncharacterized_3566
ENSTNIG00000000405	ENSTNIP00000000243	Uncharacterized protein	uncharacterized_3567
ENSTNIG00000001434	ENSTNIP00000000263	Uncharacterized protein	uncharacterized_3568
ENSTNIG00000000891	ENSTNIP00000000271	Uncharacterized protein	uncharacterized_3569
ENSTNIG00000000636	ENSTNIP00000000305	Uncharacterized protein	uncharacterized_3570
ENSTNIG00000000424	ENSTNIP00000000380	Uncharacterized protein	uncharacterized_3571
ENSTNIG00000001341	ENSTNIP00000000385	Uncharacterized protein	uncharacterized_3572
ENSTNIG00000000734	ENSTNIP00000000408	Uncharacterized protein	uncharacterized_3573
ENSTNIG00000001737	ENSTNIP00000000431	Uncharacterized protein	uncharacterized_3574
ENSTNIG00000001709	ENSTNIP00000000488	Uncharacterized protein	uncharacterized_3575
ENSTNIG00000001617	ENSTNIP00000000518	Uncharacterized protein	uncharacterized_3576
ENSTNIG00000000525	ENSTNIP00000000522	Uncharacterized protein	uncharacterized_3577
ENSTNIG00000001227	ENSTNIP00000000544	Uncharacterized protein	uncharacterized_3578
ENSTNIG00000001615	ENSTNIP00000000558	Uncharacterized protein	uncharacterized_3579
ENSTNIG00000000910	ENSTNIP00000000594	Uncharacterized protein	uncharacterized_3580
ENSTNIG00000000683	ENSTNIP00000000620	Uncharacterized protein	uncharacterized_3581
ENSTNIG00000001592	ENSTNIP00000000657	Uncharacterized protein	uncharacterized_3582
ENSTNIG00000000317	ENSTNIP00000000665	Uncharacterized protein	uncharacterized_3583
ENSTNIG00000000066	ENSTNIP00000000688	Uncharacterized protein	uncharacterized_3584
ENSTNIG00000000266	ENSTNIP00000000794	Uncharacterized protein	uncharacterized_3585
ENSTNIG00000001271	ENSTNIP00000000818	Uncharacterized protein	uncharacterized_3586
ENSTNIG00000001261	ENSTNIP00000000890	Uncharacterized protein	uncharacterized_3587
ENSTNIG00000001210	ENSTNIP00000000918	Uncharacterized protein	uncharacterized_3588
ENSTNIG00000001108	ENSTNIP00000000961	Uncharacterized protein	uncharacterized_3589
ENSTNIG00000000030	ENSTNIP00000001069	Uncharacterized protein	uncharacterized_3590
ENSTNIG00000000501	ENSTNIP00000001092	Uncharacterized protein	uncharacterized_3591
ENSTNIG00000000369	ENSTNIP00000001114	Uncharacterized protein	uncharacterized_3592
ENSTNIG00000000733	ENSTNIP00000001117	Uncharacterized protein	uncharacterized_3593
ENSTNIG00000000794	ENSTNIP00000001169	Uncharacterized protein	uncharacterized_3594
ENSTNIG00000000851	ENSTNIP00000001175	Uncharacterized protein	uncharacterized_3595
ENSTNIG00000000964	ENSTNIP00000001192	Uncharacterized protein	uncharacterized_3596

ENSTNIG0000002324	ENSTNIP0000004809	Uncharacterized protein	uncharacterized_3676
ENSTNIG0000002326	ENSTNIP0000004811	Uncharacterized protein	uncharacterized_3677
ENSTNIG00000006184	ENSTNIP0000004875	Uncharacterized protein	uncharacterized_3678
ENSTNIG00000002827	ENSTNIP0000005391	Uncharacterized protein	uncharacterized_3679
ENSTNIG00000002835	ENSTNIP0000005400	Uncharacterized protein	uncharacterized_3680
ENSTNIG00000002842	ENSTNIP0000005407	Uncharacterized protein	uncharacterized_3681
ENSTNIG0000001861	ENSTNIP0000005493	Uncharacterized protein	uncharacterized_3682
ENSTNIG00000003244	ENSTNIP0000005827	Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3683
ENSTNIG00000003245	ENSTNIP0000005828	Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3684
ENSTNIG00000003329	ENSTNIP0000005915	Uncharacterized protein	uncharacterized_3685
ENSTNIG00000003700	ENSTNIP0000006299	Uncharacterized protein	uncharacterized_3686
ENSTNIG00000003750	ENSTNIP0000006350	Uncharacterized protein	uncharacterized_3687
ENSTNIG00000003796	ENSTNIP0000006396	Chromosome 2 SCAF8387, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3688
ENSTNIG00000003912	ENSTNIP0000006519	Uncharacterized protein	uncharacterized_3689
ENSTNIG00000003980	ENSTNIP0000006589	Chromosome undetermined SCAF8929, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3690
ENSTNIG00000004070	ENSTNIP0000006681	Chromosome undetermined SCAF9151, whole genome shotgun sequence.; Uncharacterized protein	uncharacterized_3691
ENSTNIG00000004272	ENSTNIP0000006901	Uncharacterized protein	uncharacterized_3692
ENSTNIG00000004625	ENSTNIP0000007276	Uncharacterized protein	uncharacterized_3693
ENSTNIG00000004637	ENSTNIP0000007288	Uncharacterized protein	uncharacterized_3694
ENSTNIG00000004965	ENSTNIP0000007630	Chromosome undetermined SCAF10538, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3695
ENSTNIG00000005236	ENSTNIP0000007913	Uncharacterized protein	uncharacterized_3696
ENSTNIG00000005240	ENSTNIP0000007917	Uncharacterized protein	uncharacterized_3697
ENSTNIG00000005274	ENSTNIP0000007953	Uncharacterized protein	uncharacterized_3698
ENSTNIG00000005294	ENSTNIP0000007974	Uncharacterized protein	uncharacterized_3699
ENSTNIG00000005408	ENSTNIP0000008094	Uncharacterized protein	uncharacterized_3700
ENSTNIG00000005435	ENSTNIP0000008123	Uncharacterized protein	uncharacterized_3701
ENSTNIG00000005637	ENSTNIP0000008342	Uncharacterized protein	uncharacterized_3702
ENSTNIG00000005812	ENSTNIP0000008354	Uncharacterized protein	uncharacterized_3703
ENSTNIG00000005939	ENSTNIP0000008674	Uncharacterized protein	uncharacterized_3704
ENSTNIG00000005958	ENSTNIP0000008693	Uncharacterized protein	uncharacterized_3705
ENSTNIG00000005972	ENSTNIP0000008709	Uncharacterized protein	uncharacterized_3706
ENSTNIG00000006087	ENSTNIP0000008831	Uncharacterized protein	uncharacterized_3707
ENSTNIG00000006170	ENSTNIP0000008918	Uncharacterized protein	uncharacterized_3708
ENSTNIG00000006223	ENSTNIP0000008973	Uncharacterized protein	uncharacterized_3709
ENSTNIG00000006275	ENSTNIP0000009034	Chromosome undetermined SCAF13751, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3710
ENSTNIG00000006419	ENSTNIP0000009187	Uncharacterized protein	uncharacterized_3711
ENSTNIG00000006498	ENSTNIP0000009267	Chromosome undetermined SCAF13844, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3712
ENSTNIG00000006510	ENSTNIP0000009280	Uncharacterized protein	uncharacterized_3713
ENSTNIG00000006614	ENSTNIP0000009391	Chromosome undetermined SCAF14010, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3714
ENSTNIG00000006852	ENSTNIP0000009645	Chromosome undetermined SCAF14317, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3715
ENSTNIG00000006983	ENSTNIP0000009783	Uncharacterized protein	uncharacterized_3716
ENSTNIG00000007245	ENSTNIP00000010048	Chromosome undetermined SCAF14526, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3717
ENSTNIG00000007269	ENSTNIP00000010073	Uncharacterized protein	uncharacterized_3718
ENSTNIG00000007393	ENSTNIP00000010199	Chromosome 1 SCAF14529, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3719
ENSTNIG00000007418	ENSTNIP00000010224	Chromosome undetermined SCAF14531, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3720
ENSTNIG00000007618	ENSTNIP00000010433	Uncharacterized protein	uncharacterized_3721
ENSTNIG00000007640	ENSTNIP00000010455	Chromosome 7 SCAF14536, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3722
ENSTNIG00000007767	ENSTNIP00000010585	Uncharacterized protein	uncharacterized_3723
ENSTNIG00000007781	ENSTNIP00000010600	Uncharacterized protein	uncharacterized_3724
ENSTNIG00000007808	ENSTNIP00000010628	Chromosome 15 SCAF14542, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3725
ENSTNIG00000008009	ENSTNIP00000010831	Uncharacterized protein	uncharacterized_3726
ENSTNIG00000008669	ENSTNIP00000011517	Uncharacterized protein	uncharacterized_3727
ENSTNIG00000008701	ENSTNIP00000011551	Chromosome undetermined SCAF14565, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3728
ENSTNIG00000009038	ENSTNIP00000011894	Uncharacterized protein	uncharacterized_3729
ENSTNIG00000009118	ENSTNIP00000011978	Chromosome 4 SCAF14575, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3730
ENSTNIG00000009128	ENSTNIP00000011988	Uncharacterized protein	uncharacterized_3731
ENSTNIG00000009160	ENSTNIP00000012021	Uncharacterized protein	uncharacterized_3732
ENSTNIG00000009422	ENSTNIP00000012292	Uncharacterized protein	uncharacterized_3733
ENSTNIG00000009760	ENSTNIP00000012647	Chromosome 3 SCAF14593, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3734
ENSTNIG00000009813	ENSTNIP00000012701	Uncharacterized protein	uncharacterized_3735
ENSTNIG00000009932	ENSTNIP00000012824	Uncharacterized protein	uncharacterized_3736
ENSTNIG00000009997	ENSTNIP00000012892	Uncharacterized protein	uncharacterized_3737
ENSTNIG00000010155	ENSTNIP00000013053	Chromosome undetermined SCAF14608, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3738
ENSTNIG00000010294	ENSTNIP00000013197	Uncharacterized protein	uncharacterized_3739
ENSTNIG00000010356	ENSTNIP00000013262	Uncharacterized protein	uncharacterized_3740
ENSTNIG00000010455	ENSTNIP00000013364	Uncharacterized protein	uncharacterized_3741

ENSTNIG00000010491	ENSTNIP00000013400	Uncharacterized protein	uncharacterized_3742
ENSTNIG00000010566	ENSTNIP00000013478	Chromosome 18 SCAF14637, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3743
ENSTNIG00000010567	ENSTNIP00000013479	Uncharacterized protein	uncharacterized_3744
ENSTNIG00000010740	ENSTNIP00000013660	Chromosome 14 SCAF14646, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3745
ENSTNIG00000010799	ENSTNIP00000013724	Uncharacterized protein	uncharacterized_3746
ENSTNIG00000010833	ENSTNIP00000013763	Chromosome undetermined SCAF14653, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3747
ENSTNIG00000010940	ENSTNIP00000013870	Uncharacterized protein	uncharacterized_3748
ENSTNIG00000011040	ENSTNIP00000013975	Uncharacterized protein	uncharacterized_3749
ENSTNIG00000011054	ENSTNIP00000013990	Chromosome 15 SCAF14667, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3750
ENSTNIG00000011059	ENSTNIP00000013995	Uncharacterized protein	uncharacterized_3751
ENSTNIG00000011173	ENSTNIP00000014108	Uncharacterized protein	uncharacterized_3752
ENSTNIG00000011246	ENSTNIP00000014185	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3753
ENSTNIG00000011642	ENSTNIP00000014594	Uncharacterized protein	uncharacterized_3754
ENSTNIG00000011730	ENSTNIP00000014681	Uncharacterized protein	uncharacterized_3755
ENSTNIG00000011913	ENSTNIP00000014872	Chromosome undetermined SCAF14706, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3756
ENSTNIG00000012292	ENSTNIP00000015260	Chromosome 14 SCAF14723, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3757
ENSTNIG00000012532	ENSTNIP00000015501	Uncharacterized protein	uncharacterized_3758
ENSTNIG00000012882	ENSTNIP00000015858	Chromosome 2 SCAF14738, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3759
ENSTNIG00000012920	ENSTNIP00000015900	Uncharacterized protein	uncharacterized_3760
ENSTNIG00000013142	ENSTNIP00000016124	Uncharacterized protein	uncharacterized_3761
ENSTNIG00000013234	ENSTNIP00000016217	Uncharacterized protein	uncharacterized_3762
ENSTNIG00000013254	ENSTNIP00000016239	Chromosome 15 SCAF14755, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3763
ENSTNIG00000013300	ENSTNIP00000016290	Chromosome 8 SCAF14759, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3764
ENSTNIG00000013684	ENSTNIP00000016684	Uncharacterized protein	uncharacterized_3765
ENSTNIG00000013724	ENSTNIP00000016725	Uncharacterized protein	uncharacterized_3766
ENSTNIG00000013736	ENSTNIP00000016738	Uncharacterized protein	uncharacterized_3767
ENSTNIG00000013893	ENSTNIP00000016898	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3768
ENSTNIG00000013895	ENSTNIP00000016900	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3769
ENSTNIG00000013922	ENSTNIP00000016927	Uncharacterized protein	uncharacterized_3770
ENSTNIG00000014047	ENSTNIP00000017054	Uncharacterized protein	uncharacterized_3771
ENSTNIG00000014231	ENSTNIP00000017245	Uncharacterized protein	uncharacterized_3772
ENSTNIG00000014457	ENSTNIP00000017476	Uncharacterized protein	uncharacterized_3773
ENSTNIG00000014793	ENSTNIP00000017831	Chromosome 11 SCAF14979, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3774
ENSTNIG00000014830	ENSTNIP00000017871	Uncharacterized protein	uncharacterized_3775
ENSTNIG00000014897	ENSTNIP00000017941	Uncharacterized protein	uncharacterized_3776
ENSTNIG00000015361	ENSTNIP00000018425	Uncharacterized protein	uncharacterized_3777
ENSTNIG00000015376	ENSTNIP00000018440	Uncharacterized protein	uncharacterized_3778
ENSTNIG00000000298	ENSTNIP00000018516	Uncharacterized protein	uncharacterized_3779
ENSTNIG00000015712	ENSTNIP00000018787	Uncharacterized protein	uncharacterized_3780
ENSTNIG00000015722	ENSTNIP00000018797	Chromosome 1 SCAF14998, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3781
ENSTNIG00000015723	ENSTNIP00000018798	Uncharacterized protein	uncharacterized_3782
ENSTNIG00000015963	ENSTNIP00000019051	Uncharacterized protein	uncharacterized_3783
ENSTNIG00000015996	ENSTNIP00000019085	Uncharacterized protein	uncharacterized_3784
ENSTNIG00000016177	ENSTNIP00000019268	Chromosome 16 SCAF15002, whole genome shotgun sequence.; Uncharacterized protein	uncharacterized_3785
ENSTNIG00000016246	ENSTNIP00000019339	Uncharacterized protein	uncharacterized_3786
ENSTNIG00000016307	ENSTNIP00000019401	Uncharacterized protein	uncharacterized_3787
ENSTNIG00000016718	ENSTNIP00000019828	Chromosome 12 SCAF15007, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3788
ENSTNIG00000016787	ENSTNIP00000019901	Uncharacterized protein	uncharacterized_3789
ENSTNIG00000016868	ENSTNIP00000019981	Uncharacterized protein	uncharacterized_3790
ENSTNIG00000017047	ENSTNIP00000020175	Uncharacterized protein	uncharacterized_3791
ENSTNIG00000017170	ENSTNIP00000020307	Chromosome 3 SCAF15018, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3792
ENSTNIG00000017637	ENSTNIP00000020785	Uncharacterized protein	uncharacterized_3793
ENSTNIG00000017724	ENSTNIP00000020874	Chromosome 18 SCAF15027, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3794
ENSTNIG00000017956	ENSTNIP00000021118	Uncharacterized protein	uncharacterized_3795
ENSTNIG00000017986	ENSTNIP00000021150	Uncharacterized protein	uncharacterized_3796
ENSTNIG00000018458	ENSTNIP00000021632	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3797
ENSTNIG00000018503	ENSTNIP00000021677	Uncharacterized protein	uncharacterized_3798
ENSTNIG00000018676	ENSTNIP00000021853	Chromosome undetermined SCAF15077, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3799
ENSTNIG00000018711	ENSTNIP00000021890	Chromosome undetermined SCAF15091, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3800
ENSTNIG00000018861	ENSTNIP00000022046	Uncharacterized protein	uncharacterized_3801
ENSTNIG00000018978	ENSTNIP00000022166	Uncharacterized protein	uncharacterized_3802
ENSTNIG00000019139	ENSTNIP00000022336	Uncharacterized protein	uncharacterized_3803
ENSTNIG00000019146	ENSTNIP00000022343	Uncharacterized protein	uncharacterized_3804
ENSTNIG00000019233	ENSTNIP00000022433	Chromosome 13 SCAF15122, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3805
ENSTNIG00000019242	ENSTNIP00000022442	Uncharacterized protein	uncharacterized_3806
ENSTNIG00000019246	ENSTNIP00000022633	Uncharacterized protein	uncharacterized_3807
ENSTNIG00000019427	ENSTNIP00000022634	Uncharacterized protein	uncharacterized_3808
ENSTNIG00000019442	ENSTNIP00000022655	Chromosome undetermined SCAF17131, whole genome shotgun sequence; Uncharacterized protein	uncharacterized_3809
ENSTNIG00000019498	ENSTNIP00000022717	Chromosome undetermined SCAF18655, whole genome shotgun sequence.; Uncharacterized protein	uncharacterized_3810
ENSTNIG00000019528	ENSTNIP00000022753	Uncharacterized protein	uncharacterized_3811
ENSTNIG00000019534	ENSTNIP00000022760	Uncharacterized protein	uncharacterized_3812
ENSTNIG00000019554	ENSTNIP00000022784	Uncharacterized protein	uncharacterized_3813

ENSTNIG00000019598	ENSTNIP00000022833	Uncharacterized protein	uncharacterized_3814
ENSTNIG00000019682	ENSTNIP00000022927	Uncharacterized protein	uncharacterized_3815
ENSTNIG00000019690	ENSTNIP00000022935	Uncharacterized protein	uncharacterized_3816
ENSTNIG00000019764	ENSTNIP00000023025	Uncharacterized protein	uncharacterized_3817
ENSTNIG00000019768	ENSTNIP00000023029	Uncharacterized protein	uncharacterized_3818
ENSTNIG00000019812	ENSTNIP00000023077	Uncharacterized protein	uncharacterized_3819
ENSTNIG00000019839	ENSTNIP00000023108	Chromosome undetermined SCAF25572, whole genome shotgun sequence.; Uncharacterized protein	uncharacterized_3820
ENSONIG00000000838	ENSONIP00000001064	Uncharacterized protein	uncharacterized_3821
ENSONIG00000000930	ENSONIP00000001174	Uncharacterized protein	uncharacterized_3822
ENSONIG00000001024	ENSONIP00000001297	Uncharacterized protein	uncharacterized_3823
ENSONIG00000001408	ENSONIP00000001775	Uncharacterized protein	uncharacterized_3824
ENSONIG00000003201	ENSONIP00000004015	Uncharacterized protein	uncharacterized_3825
ENSONIG00000003348	ENSONIP00000004214	Uncharacterized protein	uncharacterized_3826
ENSONIG00000003384	ENSONIP00000004262	Uncharacterized protein	uncharacterized_3827
ENSONIG00000003448	ENSONIP00000004341	Uncharacterized protein	uncharacterized_3828
ENSONIG00000003557	ENSONIP00000004477	Uncharacterized protein	uncharacterized_3829
ENSONIG00000003848	ENSONIP00000004848	Uncharacterized protein	uncharacterized_3830
ENSONIG00000003850	ENSONIP00000004850	Uncharacterized protein	uncharacterized_3831
ENSONIG00000004163	ENSONIP00000005242	Uncharacterized protein	uncharacterized_3832
ENSONIG00000004616	ENSONIP00000005812	Uncharacterized protein	uncharacterized_3833
ENSONIG00000004791	ENSONIP00000006033	Uncharacterized protein	uncharacterized_3834
ENSONIG00000004952	ENSONIP00000006229	Uncharacterized protein	uncharacterized_3835
ENSONIG00000005022	ENSONIP00000006317	Uncharacterized protein	uncharacterized_3836
ENSONIG00000005071	ENSONIP00000006376	Uncharacterized protein	uncharacterized_3837
ENSONIG00000005100	ENSONIP00000006410	Uncharacterized protein	uncharacterized_3838
ENSONIG00000005761	ENSONIP00000007261	Uncharacterized protein	uncharacterized_3839
ENSONIG00000005826	ENSONIP00000007338	Oreochromis niloticus FSH beta subunit (LOC100534500), mRNA.	uncharacterized_3840
ENSONIG00000006243	ENSONIP00000007866	Uncharacterized protein	uncharacterized_3841
ENSONIG00000006387	ENSONIP00000008050	Uncharacterized protein	uncharacterized_3842
ENSONIG00000006412	ENSONIP00000008084	Uncharacterized protein	uncharacterized_3843
ENSONIG00000006944	ENSONIP00000008757	Uncharacterized protein	uncharacterized_3844
ENSONIG00000007051	ENSONIP00000008902	Uncharacterized protein	uncharacterized_3845
ENSONIG00000007121	ENSONIP00000008983	Uncharacterized protein	uncharacterized_3846
ENSONIG00000007122	ENSONIP00000008984	Uncharacterized protein	uncharacterized_3847
ENSONIG00000007361	ENSONIP00000009288	Uncharacterized protein	uncharacterized_3848
ENSONIG00000007589	ENSONIP00000009568	Uncharacterized protein	uncharacterized_3849
ENSONIG00000007746	ENSONIP00000009761	Uncharacterized protein	uncharacterized_3850
ENSONIG00000007865	ENSONIP00000009915	Uncharacterized protein	uncharacterized_3851
ENSONIG00000007907	ENSONIP00000009965	Uncharacterized protein	uncharacterized_3852
ENSONIG00000008007	ENSONIP00000010083	Uncharacterized protein	uncharacterized_3853
ENSONIG00000008034	ENSONIP00000010118	Uncharacterized protein	uncharacterized_3854
ENSONIG00000008171	ENSONIP00000010286	Uncharacterized protein	uncharacterized_3855
ENSONIG00000008587	ENSONIP00000010795	Uncharacterized protein	uncharacterized_3856
ENSONIG00000009077	ENSONIP00000011414	Uncharacterized protein	uncharacterized_3857
ENSONIG00000009390	ENSONIP00000011799	Uncharacterized protein	uncharacterized_3858
ENSONIG00000009453	ENSONIP00000011879	Uncharacterized protein	uncharacterized_3859
ENSONIG00000009580	ENSONIP00000012039	Uncharacterized protein	uncharacterized_3860
ENSONIG00000009612	ENSONIP00000012077	Uncharacterized protein	uncharacterized_3861
ENSONIG00000009618	ENSONIP00000012083	Uncharacterized protein	uncharacterized_3862
ENSONIG00000010257	ENSONIP00000012899	Uncharacterized protein	uncharacterized_3863
ENSONIG00000010503	ENSONIP00000013202	Uncharacterized protein	uncharacterized_3864
ENSONIG00000010526	ENSONIP00000013232	Uncharacterized protein	uncharacterized_3865
ENSONIG00000010815	ENSONIP00000013597	Uncharacterized protein	uncharacterized_3866
ENSONIG00000010892	ENSONIP00000013707	Uncharacterized protein	uncharacterized_3867
ENSONIG00000011670	ENSONIP00000014694	Uncharacterized protein	uncharacterized_3868
ENSONIG00000011826	ENSONIP00000014888	Uncharacterized protein	uncharacterized_3869
ENSONIG00000011910	ENSONIP00000014996	Uncharacterized protein	uncharacterized_3870
ENSONIG00000012249	ENSONIP00000015426	Uncharacterized protein	uncharacterized_3871
ENSONIG00000012397	ENSONIP00000015615	Uncharacterized protein	uncharacterized_3872
ENSONIG00000012526	ENSONIP00000015768	Uncharacterized protein	uncharacterized_3873
ENSONIG00000012548	ENSONIP00000015798	Uncharacterized protein	uncharacterized_3874
ENSONIG00000012885	ENSONIP00000016216	Uncharacterized protein	uncharacterized_3875
ENSONIG00000013019	ENSONIP00000016374	Uncharacterized protein	uncharacterized_3876
ENSONIG00000013199	ENSONIP00000016599	Uncharacterized protein	uncharacterized_3877
ENSONIG00000013218	ENSONIP00000016624	Uncharacterized protein	uncharacterized_3878
ENSONIG00000013284	ENSONIP00000016708	Uncharacterized protein	uncharacterized_3879
ENSONIG00000013340	ENSONIP00000016774	Uncharacterized protein	uncharacterized_3880
ENSONIG00000013687	ENSONIP00000017225	Uncharacterized protein	uncharacterized_3881
ENSONIG00000013781	ENSONIP00000017332	Uncharacterized protein	uncharacterized_3882
ENSONIG00000014446	ENSONIP00000018164	Uncharacterized protein	uncharacterized_3883
ENSONIG00000014555	ENSONIP00000018315	Uncharacterized protein	uncharacterized_3884
ENSONIG00000014883	ENSONIP00000018733	Uncharacterized protein	uncharacterized_3885
ENSONIG00000015068	ENSONIP00000018967	Uncharacterized protein	uncharacterized_3886
ENSONIG00000015113	ENSONIP00000019018	Uncharacterized protein	uncharacterized_3887
ENSONIG00000015329	ENSONIP00000019287	Uncharacterized protein	uncharacterized_3888
ENSONIG00000015356	ENSONIP00000019319	Uncharacterized protein	uncharacterized_3889
ENSONIG00000015491	ENSONIP00000019493	Uncharacterized protein	uncharacterized_3890
ENSONIG00000015732	ENSONIP00000019797	Uncharacterized protein	uncharacterized_3891

ENSONIG00000021416	ENSONIP00000026718	Uncharacterized protein	uncharacterized_3971
ENSONIG00000021433	ENSONIP00000026735	Uncharacterized protein	uncharacterized_3972
ENSONIG00000021446	ENSONIP00000026748	Uncharacterized protein	uncharacterized_3973
ENSONIG00000021453	ENSONIP00000026755	Uncharacterized protein	uncharacterized_3974
ENSONIG00000021461	ENSONIP00000026763	Uncharacterized protein	uncharacterized_3975
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656	
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034	
g10046.t1	CAG10182.1	unnamed protein product	
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939	
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4	
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979	
g10092.t1	EHH58911.1	hypothetical protein EGM_08878	
g10115.t1	Q1LVC2	Protein Jumonji	
g10119.t1	YP_002369530.1	spore germination protein gerA	
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626	
g10144.t1	PF01391.13	Collagen	
g10153.t1	PF09738.4	DUF2051	
g10163.t1	XP_003454960.1	interleukin-1 receptor type 2	
g1017.t1	PF13599.1	Pentapeptide_4	
g10413.t1	XP_003199120.1	low-density lipoprotein receptor	
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide	
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit	
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3	
g10550.t1	NP_001187095.1	matrix Gla protein	
g10579.t1	XP_001919171.2	b-cell receptor CD22	
g1059.t1	BAC82606.1	pol-like protein	
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940	
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714	
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341	
g1065.t1	NP_001119860.1	DNA ligase 1	
g10677.t1	AAH90183.1	Zgc:158151 protein	
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597	
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088	
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113	
g10819.t1	XP_002942463.2	vomer nasal type-2 receptor 26	
g10908.t1	XP_685659.4	histone deacetylase 5	
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310	
g10915.t1	XP_002660956.2	enzymatic polyprotein	
g10967.t1	XP_003200394.1	SPARC protein 1	
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034	
g10996.t1	XP_002648163.1	Hypothetical protein CBG24246	
g11008.t1	EG_696961.2	zinc finger protein 16	
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843	
g11064.t1	YP_001107629.1	PE-PGRS family protein	
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12	
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594	
g11127.t1	EJH73938.1	hypothetical protein KGM_12229	
g11215.t1	XP_004589604.1	myosin-9	
g11280.t1	XP_001343062.1	protein FAM134B	
g11311.t1	XP_698471.1	protein S100-A1	
g11377.t1	XP_003963749.1	WD repeat-containing protein 11	
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52	
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277	
g11520.t1	NP_956383.1	band 4.1-like protein 5	
g11531.t1	XP_694060.5	polycystin-1	
g11551.t1	PF09528.5	Ehrlichia_rpt	
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2	
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1	
g1163.t1	XP_002798555.1	collagen protein 1	
g11635.t1	XP_695808.3	asc-type amino acid transporter 1	
g1165.t1	NP_958461.1	regulator of G-protein signaling 14a	
g11708.t1	XP_002663454.2	hypothetical protein LOC450004	
g11810.t1	XP_002663149.2	zinc finger protein GLIS1	
g11948.t1	NP_998659.2	zinc finger protein AEBP2	
g11987.t1	PF13895.1	Ig_2	
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain	
g12101.t1	XP_001332433.4	sex comb on midleg protein 4	
g12205.t1	ADO28035.1	leukocyte elastase inhibitor	
g1227.t1	XP_003198150.1	hypothetical protein LOC100535957	
g12365.t1	XP_001920196.2	hydroletharus syndrome protein 1	
g1238.t1	XP_004561498.1	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A	
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2	
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide	
g12467.t1	NP_001038757.2	cell death regulator aven	
g12473.t1	AAL35359.2	lambda-recombinase-like protein	
g12474.t1	XP_004078886.1	zinc finger protein Xfin	
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139	
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252	
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523	

g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g12732.t1	XP_004560540.1	amyloid protein 2
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g12877.t1	XP_002193897.1	collagen alpha-1(XXVII) chain B
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g12959.t1	NP_001187003.1	estrogen receptor
g130.t1	XP_003445051.1	IQ motif and SEC7 domain-containing protein 3
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g13053.t1	WP_000459911.1	hypothetical protein
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g13228.t1	XP_003726734.1	anoctamin-8
g13242.t1	BAB39135.1	CD11-2
g13279.t1	NP_998697.2	cyclic AMP-responsive element-binding protein 3
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g13314.t1	ACI14300.1	TREP
g13362.t1	NP_956069.1	histone deacetylase 10
g13421.t1	CBL94873.1	interleukin 6 signal transducer GP130 protein
g1345.t1	WP_001453088.1	replication-associated protein A
g13514.t1	XP_003446350.1	nuclear receptor-binding protein
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g13669.t1	NP_001103295.1	uncharacterized protein LOC569067
g13672.t1	PF04156.9	IncA
g13766.t1	XP_003201051.1	hypothetical protein LOC568716
g13785.t1	XP_003504247.1	protein IWS1
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g14234.t1	XP_003437955.1	kinocilin
g14256.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g14285.t1	WP_002596755.1	hypothetical protein
g14302.t1	CBN80644.1	Uncharacterized protein
g14304.t1	XP_694502.3	hypothetical protein LOC566140
g14309.t1	YP_002465894.1	hypothetical protein Mpal_0809
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g14329.t1	XP_003449587.1	hypothetical protein LOC100697617
g14363.t1	NP_001121718.1	semaphorin-4C
g14377.t1	PF02994.9	Transposase_22
g14394.t1	XP_004553025.1	meprin A subunit beta
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g14601.t1	NP_001018548.1	uncharacterized protein LOC553741
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g14648.t1	PF07382.6	HC2
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g14877.t1	XP_004555080.1	cyclic AMP-dependent transcription factor ATF-6 alpha
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
g15024.t1	PF08861.5	DUF1828
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g15066.t1	XP_002370056.1	SRS domain-containing protein
g15165.t1	XP_003451020.1	ephrin-A3
g15189.t1	XP_003968276.1	serine/threonine-protein kinase SIK3
g15198.t1	PF00805.17	Pentapeptide
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g15561.t1	EMS57593.1	Stellacyanin
g15575.t1	EPQ11548.1	Bile salt-activated lipase
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a

g15997.t1	CBN81175.1	Pol polyprotein
g16052.t1	XP_003460003.1	hypothetical protein LOC100695983
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g16091.t1	WP_014652760.1	translation initiation factor IF-2
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
g16208.t1	XP_003972313.1	reticulon-3
g16296.t1	AAD39868.1	MHC class II antigen
g16423.t1	XP_811780.1	hypothetical protein
g16429.t1	XP_004066698.1	dipeptidyl peptidase 4
g1651.t1	NP_001187115.1	hemoglobin-beta
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g16552.t1	AAI21758.1	Npm4 protein
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g17102.t1	WP_003708364.1	hypothetical protein
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
g17146.t1	XP_003435264.1	keratin-associated protein 16-1
g17220.t1	XP_004914297.1	uncharacterized protein LOC101731402
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g17279.t1	XP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g17455.t1	NP_956178.1	mitochondrial fission regulator 1
g17478.t1	XP_004919238.1	mucin-2
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
g17718.t1	XP_004064471.1	melanoma-associated antigen E1
g17725.t1	XP_004913233.1	extensin
g17832.t1	PF12882.2	NUT_C
g17873.t1	PF09811.4	Yae1_N
g17889.t1	NP_999893.1	disks large homolog 4
g17899.t1	PF00447.12	HSF_DNA-bind
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g18068.t1	XP_004568649.1	uncharacterized protein LOC101474086
g18101.t1	XP_689554.5	hypothetical protein LOC561062
g18108.t1	XP_004077618.1	uncharacterized protein LOC101171356
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g18370.t1	EDL20200.1	mCG145728
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g18767.t1	XP_003198769.1	kinetochore-associated protein 1
g18803.t1	XP_693996.3	hypothetical protein LOC565630
g18854.t1	XP_002060930.1	GK12693
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein
g18881.t1	BAJ19137.1	forkhead box L2
g1894.t1	XP_003199178.1	probable G-protein coupled receptor 133
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g193.t1	XP_688428.4	rho guanine nucleotide exchange factor 28
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g19749.t1	NP_001188459.1	uncharacterized protein LOC557812
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g19888.t1	NP_001093507.1	WD repeat-containing protein 31
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g20237.t1	PF00098.18	zf-CCHC
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
g20306.t1	XP_004071285.1	perforin-1
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g20366.t1	XP_696991.4	phospholipase B1, membrane-associated
g20541.t1	XP_004074008.1	sperm-associated antigen 1
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g20886.t1	XP_004075231.1	mediator of RNA polymerase II transcription subunit 17
g2089.t1	BAC82608.1	gag-like protein
g20993.t1	XP_003440511.1	protein FAM180B
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g21223.t1	EEZ97438.1	hypothetical protein TcasGA2_TC011269
g2126.t1	NP_001187103.1	interferon-induced GTP-binding protein Mx1
g2134.t1	NP_001104639.1	zinc finger protein DPPF3

g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g21559.t1	Q8AXB3.1	Vascular endothelial growth factor receptor kdr
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g21698.t1	BAI82584.1	interleukin-17N
g21769.t1	AAI57389.1	Unknown (protein for IMAGE:7070805)
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g22011.t1	EAW51470.1	hCG2042692
g22012.t1	NP_001187614.1	zinc transporter zip11
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g22171.t1	XP_695332.4	NACHT, LRR and PYD domains-containing protein 3
g22210.t1	ADN37682.1	TNXB
g22458.t1	XP_003452401.1	rho GTPase-activating protein SYDE2
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g22641.t1	XP_002259357.1	protein phosphatase
g22650.t1	NP_001123984.1	putative ATP-dependent RNA helicase TDRD9
g22698.t1	XP_004573312.1	uncharacterized protein LOC101484324
g22736.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g22887.t1	XP_003199107.1	protein FAM150
g22898.t1	AAI52526.1	Zcchc7l protein
g22899.t1	PF13384.1	HTH_23
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g22927.t1	PF09004.5	DUF1891
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g233.t1	PF00335.15	Tetraspennin
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g23464.t1	XP_003197864.1	desmoglein-4
g23517.t1	XP_690894.2	histone H3.v1
g23540.t1	WP_004224007.1	cell division protein
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g23966.t1	XP_004067570.1	semaphorin-7A
g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g24168.t1	XP_004544675.1	coiled-coil domain-containing protein 117
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g24245.t1	XP_004547114.1	fumarylacetoacetate hydrolase domain-containing protein 2
g24292.t1	NP_001073633.1	uncharacterized protein LOC492735
g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g24330.t1	CAH68844.1	novel protein similar to lectins
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g24434.t1	AAW24907.1	SJCHGC06398 protein
g24545.t1	NP_001035777.1	nephrin
g24612.t1	NP_001165868.1	xylosyltransferase 1
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g24656.t1	XP_003455418.1	neuronal growth regulator 1
g24665.t1	ABW84004.1	p65 transcription factor
g24732.t1	XP_004073012.1	uncharacterized protein LOC101170193
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g24896.t1	NP_001187727.1	syndecan-2-b
g2492.t1	WP_001450027.1	MULTISPECIES: minor spike protein H
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g24935.t1	NP_001038441.1	kinesin-like protein KIF14
g24953.t1	ACI33817.1	GTPase IMAP family member 4
g2499.t1	WP_001389643.1	MULTISPECIES: type III restriction endonuclease subunit R
g25.t1	ELR56546.1	hypothetical protein M91_19203
g250.t1	PF02023.12	SCAN
g25093.t1	XP_001923800.1	titin
g2520.t1	XP_004085041.1	uncharacterized protein LOC101163544
g25308.t1	ADM07317.1	doublesex and mab-3 related transcription factor 1
g25309.t1	ACR77514.1	Dmrt1a
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g25411.t1	XP_002661907.2	zinc finger protein 85
g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g25456.t1	ABA54968.1	CC chemokine SCYA121
g25508.t1	NP_957350.1	max dimerization protein 3

g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g25715.t1	XP_694490.4	eukaryotic translation initiation factor 4 gamma 3
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g25813.t1	XP_003201087.1	transmembrane protein 221
g25910.t1	AAO74862.1	fetuin long form
g25960.t1	NP_571156.2	cadherin-2
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g26061.t1	AAL35358.1	putative GAG protein
g26097.t1	NP_001121826.1	secretogranin-1
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g26247.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
g26285.t1	XP_003451558.1	hypothetical protein LOC100693979
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g26446.t1	PF05673.8	DUF815
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g26555.t1	XP_003968106.1	transmembrane protein 236
g26575.t1	XP_002739124.1	RETRtransposon family member (retr-1)
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g26589.t1	NP_001116518.1	RAS (RAD and GEM)-like GTP binding 2
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g26762.t1	WP_002596755.1	hypothetical protein
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g26780.t1	XP_003457696.1	up-regulator of cell proliferation
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g26912.t1	XP_003200579.1	hypothetical protein LOC100149834
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g27019.t1	XP_004478809.1	proline-rich protein 2
g27092.t1	NP_001117097.1	IGF binding protein 2
g27174.t1	XP_811780.1	hypothetical protein
g27222.t1	NP_001082943.1	ceramide kinase-like protein
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g2742.t1	XP_004552759.1	semaphorin-6B
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
g27663.t1	AAK69693.1	glypican Knypek
g27664.t1	XP_688014.3	glypican-3
g27683.t1	XP_001922506.1	ensconsin
g2769.t1	EJD48430.1	hypothetical protein AUDEDRAFT_162391
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g27934.t1	XP_003451169.1	E3 ubiquitin/ISG15 ligase TRIM25
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
g28073.t1	XP_004211780.1	zinc finger BED domain-containing protein 1
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g2839.t1	WP_020240972.1	DNA-directed RNA polymerase subunit beta
g28427.t1	EKK33785.1	hypothetical protein GUIHDRAFT_52591
		Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid
		In The Motor Domains
g2844.t1	2HT1_A	hypothetical protein
g2848.t1	WP_000464767.1	hypothetical protein
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g28492.t1	XP_001922332.2	zinc finger ZZ-type and EF-hand domain-containing protein 1
g28564.t1	XP_003198618.1	hypothetical protein LOC100535945
g28667.t1	XP_697241.3	collagen alpha-1(XVII) chain
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g2882.t1	WP_001271722.1	glutamine synthetase
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g28977.t1	XP_002662293.2	voltage-dependent T-type calcium channel subunit alpha-1I
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29127.t1	NP_976934.1	internalin
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g29336.t1	NP_001187899.1	fam107a
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g29511.t1	PF13984.1	MsyB
g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g29977.t1	XP_001921750.2	zinc finger protein 385A
g29993.t1	XP_002666539.2	kalirin
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g30194.t1	XP_003447721.1	transcription factor HES-5
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g30268.t1	NP_001188332.1	ATPase, H+ transporting, lysosomal accessory protein 1

g3034.t1	YP_302666.1	gp140
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g30632.t1	XP_694914.3	plexin-B1
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g30928.t1	PF13358.1	DDE_3
g30964.t1	NP_001008598.1	diamine N-acetyltransferase 2
g30993.t1	XP_004543651.1	homeobox protein SIX5
g30999.t1	XP_689978.5	hypothetical protein LOC561486
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g31075.t1	XP_002414393.1	hypothetical protein IscW_JSCW012389
g31107.t1	EGV98430.1	hypothetical protein I79_020533
g31175.t1	XP_003700798.1	microtubule-actin cross-linking factor 1
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g31224.t1	XP_699710.2	mitochondrial sodium/hydrogen exchanger 9B2
g31232.t1	PF07263.6	DMP1
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g31380.t1	XP_001623409.1	predicted protein
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g31483.t1	XP_682740.4	nasal embryonic luteinizing hormone-releasing hormone factor
g31513.t1	XP_698551.4	arrestin domain-containing protein 1
g3153.t1	XP_003199000.1	hypothetical protein LOC566660
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g3174.t1	XP_002660455.1	heparan-alpha-glucosaminide N-acetyltransferase
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g32138.t1	XP_002123454.1	uncharacterized protein LOC100181721
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g32270.t1	CAZ61325.1	CD34b1 molecule
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g32356.t1	XP_004076492.1	complement factor B
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g32377.t1	XP_002662297.1	E3 ubiquitin-protein ligase TRIM21
g32414.t1	XP_003442715.1	urocortin-3
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g32493.t1	XP_003973424.1	protein DDI1 homolog 2
g32723.t1	XP_725227.1	ookinete protein
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g32808.t1	XP_698593.4	sickle tail protein
g32849.t1	ABB52638.1	envelope polyprotein
g32899.t1	O92815	Gag-Pol polyprotein
g32906.t1	CBN80957.1	Gag-protease
g33035.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g33207.t1	XP_687197.4	hypothetical protein LOC558838
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
g33285.t1	XP_003199987.1	e3 ubiquitin-protein ligase RNF130
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g33287.t1	ELV12725.1	Cathepsin O
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
g33332.t1	XP_003972110.1	coiled-coil and C2 domain-containing protein 1A
g33391.t1	NP_001187145.1	FcR gamma subunit
g33476.t1	XP_003199572.1	hypothetical protein LOC100538095
g3348.t1	XP_004559591.1	tripartite motif-containing protein 35
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g3360.t1	WP_000023082.1	hypothetical protein
g33641.t1	PF11037.3	Musclin
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g33875.t1	PF10265.4	DUF2217
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g3398.t1	PF02749.11	QRPTase_N
g34013.t1	XP_004570992.1	adherens junction-associated protein 1
g3420.t1	Q1LX29.2	Coiled-coil domain-containing protein 79
g3424.t1	NP_775392.2	tetratricopeptide repeat protein 27

g34265.t1	NP_001116758.1	uncharacterized protein LOC568003
g34327.t1	CAQ14221.1	novel protein containing a WW domain and PDZ domains
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g34354.t1	NP_001035727.1	Fanconi anemia, complementation group C
g34357.t1	PF02106.10	Fanconi_C
g3441.t1	XP_004072531.1	bone morphogenetic protein 1
g34410.t1	XP_003974888.1	glutamate receptor delta-2 subunit
g34556.t1	XP_001465588.1	A2 protein
g34582.t1	CBN80989.1	N-acyl ethanolamine-hydrolyzing acid amidase
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g34720.t1	XP_002664903.1	hypothetical protein LOC100329570
g34751.t1	XP_004541587.1	tenascin
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g34965.t1	NP_991199.1	INO80 complex subunit E
g35091.t1	XP_004084711.1	nucleolar complex protein 3
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g3522.t1	NP_956605.1	CTAGE family, member 5
g35221.t1	XP_003455027.1	astrotactin-2
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
g3581.t1	WP_000256381.1	hypothetical protein
g35854.t1	XP_004457235.1	zonadhesin
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
g35880.t1	XP_001921217.3	protein piccolo
g35986.t1	NP_001187816.1	upper zone of growth plate and cartilage matrix associated
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g36173.t1	XP_004564934.1	PHD finger protein 21B
g36214.t1	XP_004920435.1	uncharacterized protein LOC101732294
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g36512.t1	PF10601.4	zf-LITAF
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g3667.t1	WP_020235084.1	transcriptional regulator
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g36919.t1	PF00229.13	TNF
g3700.t1	XP_004008357.1	maltase-glucoamylase, intestinal
g37153.t1	XP_004539009.1	zona pellucida sperm-binding protein 3
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g37348.t1	XP_695597.1	bestrophin-2
g37352.t1	NP_001091730.1	uncharacterized protein LOC100002334
g3754.t1	XP_678204.1	p-type ATPase
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g3764.t1	XP_001995580.1	GH17681
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g37723.t1	EMC82053.1	Splicing factor 3A subunit 2
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g37955.t1	ABB71125.1	prominin
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g38098.t1	XP_690904.4	mucin-5AC
g38123.t1	XP_001623881.1	predicted protein
g38188.t1	EMC85559.1	Involucrin
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g38313.t1	XP_004538305.1	transmembrane protein 132C
g38400.t1	NP_001187143.1	growth hormone receptor
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g38599.t1	AAI29252.1	Unc-119 homolog 2
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3
g38680.t1	AAI34162.1	Zgc:162945 protein

g3921.t1	XP_696586.3	solute carrier family 44, member 2
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g39280.t1	ADO28373.1	mitochondrial NADH dehydrogenase 1 beta subcomplex subunit 2
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g39605.t1	PF07078.6	FYTT
g39608.t1	XP_004564019.1	leucine-rich repeat and calponin homology domain-containing protein 2
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g3987.t1	AAH90763.1	Im:7138629
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g40062.t1	XP_003410187.1	plexin-A2
g40209.t1	XP_004575319.1	flocculation protein FLO11
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g40322.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein
g40330.t1	AER30050.1	T cell receptor gamma 2
g40365.t1	XP_004079095.1	E3 ubiquitin-protein ligase RNF220
g4037.t1	ABW96364.1	vitellogenin
g40525.t1	NP_001188323.1	hepcidin
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
g40622.t1	AAAT02665.1	neural friend of GATA-A
g40659.t1	PF05669.7	Med31
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g41032.t1	PF00118.19	Cpn60_TCP1
g41042.t1	AAQ72466.1	erythropoietin brain specific
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g41437.t1	EKD17700.1	microtubule associated protein
g41460.t1	PF10164.4	DUF2367
g41482.t1	XP_001350773.1	conserved Plasmodium protein
g4173.t1	XP_701123.5	homeodomain-interacting protein kinase 1
g4174.t1	F1QF59.1	Ubiquitin carboxyl-terminal hydrolase 13
g41823.t1	P85001	Centrosomal protein of 290 kDa
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g4190.t1	XP_001921732.1	IgGfC-binding protein
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g42142.t1	NP_954967.1	uncharacterized protein LOC321250
g42165.t1	PF05678.9	VQ
g42177.t1	XP_003341942.1	caprin-2
g42255.t1	ABA54958.1	CC chemokine SCYA111
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g42534.t1	PF06140.8	Ifr-6-16
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g42641.t1	NP_571679.2	runt-related transcription factor 3
g42682.t1	XP_004932995.1	uncharacterized protein LOC101740474
g42760.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g4289.t1	NP_997823.1	protocadherin 1 gamma 22
g42912.t1	P06350	Histone H1
g42941.t1	PF02389.10	Cornifin
g42990.t1	NP_571739.1	LIM domain and actin-binding protein 1
g43014.t1	AEU04705.1	retinoic acid receptor gamma
g43048.t1	XP_691385.2	synaptotagmin-6
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g43198.t1	XP_004539327.1	phosphoribosyl pyrophosphate synthase-associated protein 1
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g43382.t1	AAAX73256.1	mammalian-like melanopsin
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g43487.t1	XP_001341924.1	transmembrane protein 132D
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g43673.t1	XP_004576558.1	uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g43788.t1	CBV36645.1	CagY protein
g4386.t1	WP_001755050.1	phage tail family protein
g43923.t1	XP_002667685.2	kelch-like protein 29
g44010.t1	NP_001245157.1	protein TALPID3
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g44104.t1	NP_001091860.1	centrosomal protein kizuna
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468

g4447.t1	XP_001346157.4	ribonuclease inhibitor
g4451.t1	XP_002662754.2	c-type mannose receptor 2
g44586.t1	AAI55330.1	Fam134c
g44635.t1	XP_001921158.2	hypothetical protein LOC449864
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g44716.t1	NP_001002337.1	HCLS1-associated protein X-1
g44731.t1	XP_004553914.1	plexin-C1
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
g45118.t1	XP_004086996.1	partitioning defective 3
g4513.t1	PF00443.24	UCH
g45262.t1	NP_956407.1	alkylidihydroxyacetonephosphate synthase, peroxisomal
g4542.t1	XP_001334908.4	epsin-3
g45526.t1	NP_001070188.1	cyclin-Y-like protein 1
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g45885.t1	NP_001188137.1	mitochondrial NADH dehydrogenase (ubiquinone) flavoprotein 2
g45968.t1	EHB16504.1	Beclin-1
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g46247.t1	P43573	Bud site selection protein 27
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g46487.t1	YP_005401815.1	YadA domain-containing protein
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
g46780.t1	EKK44000.1	hypothetical protein GUIHDRAFT_140130
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g46884.t1	BAL42515.1	thrombopoietin-receptor
g46920.t1	XP_689680.3	zinc finger CCHC domain-containing protein 3
g46961.t1	AFO67946.1	leptin receptor
g47035.t1	NP_957492.1	lipoma-preferred partner
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g47150.t1	YP_073671.1	major outer envelope glycoprotein-like protein
g47294.t1	NP_001155999.1	lysosomal protein transmembrane 5
g47392.t1	PF02809.15	UIM
g47469.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g47603.t1	Q7T297.2	Protein FAM172A
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g47894.t1	BAM19359.1	scarface
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g47972.t1	XP_683670.3	probable palmitoyltransferase ZDHHC8
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g48392.t1	XP_004082650.1	cysteine-rich motor neuron 1 protein
g48426.t1	AAI00037.1	G2e3 protein
g4843.t1	YP_443923.1	envelope protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g48544.t1	PF02372.10	IL15
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g48646.t1	XP_004541575.1	rap guanine nucleotide exchange factor 5
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g48686.t1	NP_001096107.1	uncharacterized protein LOC100124611
g48725.t1	NP_001038624.1	nuclear factor of activated T-cells, cytoplasmic 1
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g48857.t1	P04927.1	S-antigen protein
g48974.t1	XP_682906.3	caskin-1
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g49166.t1	XP_003452689.1	phosphatidylethanolamine-binding protein 4
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
g49283.t1	CAP58788.1	macrophage colony-stimulating factor-2
g49323.t1	WP_006932722.1	antitoxin
g4934.t1	XP_004565503.1	interleukin-17 receptor D

g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g49510.t1	XP_003972120.1	hemicentin-2
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g5003.t1	XP_003962782.1	lysine-specific histone demethylase 1A
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g50135.t1	NP_001018495.1	uncharacterized protein C1orf112
g50138.t1	EMC87829.1	Periaxin
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g50194.t1	YP_875591.1	hypothetical protein CENSYa_0654
g50305.t1	XP_686065.4	DNA polymerase sigma
g50372.t1	WP_003961220.1	RNA helicase
g50393.t1	EKK32187.1	hypothetical protein GUIHDRAFT_82550
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g50711.t1	XP_003451921.1	vestarin-D1
g50715.t1	XP_004560147.1	CUB domain-containing protein 1
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g50917.t1	XP_001977012.1	GG18469
g51109.t1	Q9PTS1	Corticoliberin
g51110.t1	XP_003458184.1	tripartite motif-containing protein 55
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
g51158.t1	XP_003975563.1	contactin-associated protein 2
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
g51258.t1	PF00619.16	CARD
g51281.t1	XP_002612858.1	hypothetical protein BRAFLDRAFT_67192
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g51369.t1	XP_003454106.1	ryanodine receptor 2
g52136.t1	O57460	Dorsal-ventral patterning tolloid-like protein 1
g52157.t1	PF13837.1	Myb_DNA-bind_4
g52458.t1	PF07699.8	GCC2_GCC3
g52531.t1	AAH95826.1	Dre1 protein
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
g52823.t1	XP_001344930.1	uncharacterized protein DKFZp781G0119
g52897.t1	XP_003450249.1	mastermind-like protein 2
g52960.t1	XP_002666775.2	hypothetical protein LOC100329326
g53092.t1	XP_003445165.1	transcriptional protein SWT1
g5332.t1	XP_003961199.1	protein FAM53B
g53337.t1	PF13885.1	Keratin B2
g53340.t1	EGW14341.1	Stress protein DDR48
g53343.t1	XP_003386867.1	copine-8
g53505.t1	XP_004541039.1	BTB/POZ domain-containing protein KCTD8
g53556.t1	AAH93105.1	Thoc2 protein
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g53611.t1	NP_001124134.1	uncharacterized protein LOC100170828
g53616.t1	AAI53507.1	Zgc:174162 protein
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g53937.t1	E7FE13	Leucine-rich repeat-containing G-protein coupled receptor 4
g54092.t1	XP_001922491.1	CD44 antigen
g54097.t1	XP_003455447.1	uncharacterized protein C11orf96
g54257.t1	ACO13992.1	High choriolytic enzyme 1
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g54320.t1	NP_001027010.1	rho guanine nucleotide exchange factor 11
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g5440.t1	NP_001133472.1	Aquaporin-1
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g54568.t1	BAA00422.1	apopolysialglycoprotein
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g54687.t1	AGE89832.1	znf219
g54763.t1	YP_001275754.1	hypothetical protein RoseRS_1404
g54810.t1	ACI36222.1	forkhead box P1b
g54890.t1	XP_004068786.1	voltage-dependent calcium channel subunit alpha-2/delta-2
g54933.t1	XP_004547602.1	neuron navigator 1
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g55310.t1	XP_003455887.1	hypothetical protein LOC100708291
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
g55434.t1	AAM09278.1	androgen receptor
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1

g55848.t1	XP_001336831.3	hypothetical protein LOC796490
g55891.t1	ACM16033.1	zwillung B
g5594.t1	NP_001108045.1	zinc finger protein 341
g5611.t1	XP_003200393.1	hypothetical protein LOC449979
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
g56136.t1	AAI62536.1	Dzip1 protein
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g56366.t1	AAAX30342.1	SJCHGC03036 protein
g56413.t1	XP_696560.3	la-related protein 1
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g56447.t1	XP_003200395.1	transcription factor E2F2
g56486.t1	XP_003445558.1	ALK tyrosine kinase receptor
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g56831.t1	XP_004538214.1	AP2-associated protein kinase 1
g56923.t1	PF07716.10	bZIP_2
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g57294.t1	XP_001922286.3	NACHT, LRR and PYD domains-containing protein 1
g57413.t1	PF04503.8	SSDP
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g57759.t1	NP_001158857.1	Macrosialin
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g57929.t1	AGF85532.1	repeat protein
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
g58064.t1	PF13882.1	Bravo_FIGEY
g5910.t1	AAH92165.1	Im:7147241
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g6002.t1	NP_001082917.1	uncharacterized protein LOC100000104
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g6029.t1	NP_001187866.1	apoptosis regulator bax
g6093.t1	P29007	Gastrin-releasing peptide
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
g6472.t1	XP_002661201.2	protein TANC2
g6670.t1	XP_003457877.1	ATP-binding cassette sub-family F member 3
g6756.t1	Q55QE2	Syntaxin-binding protein 5-like
g6791.t1	NP_001167092.1	Collagen alpha-1(XIII) chain
g6857.t1	PF05287.7	PMG
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g6928.t1	XP_002666640.1	x-linked retinitis pigmentosa GTPase regulator-interacting protein 1
g694.t1	EDL12396.1	mCG125898
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g7107.t1	XP_003200549.1	ras GTPase-activating protein SynGAP
g7205.t1	XP_003453304.1	tonsoku protein
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g7325.t1	XP_003683123.1	hypothetical protein TDEL_0H00530
g7329.t1	PF06469.6	DUF1088
g7378.t1	NP_571043.1	teneurin-3
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g7454.t1	EAW92202.1	hCG1809684
g7573.t1	XP_693173.5	leucine-rich repeat neuronal protein 4
g7616.t1	NP_001117830.1	tissue factor
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g7676.t1	PF05672.6	MAP7
g7702.t1	XP_001634362.1	predicted protein
g7858.t1	XP_004571666.1	uncharacterized protein LOC101477926
g7877.t1	PF13568.1	OMP_b-brl_2
g7895.t1	ACM09142.1	CD9 antigen
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g8091.t1	WP_005630155.1	putative hep/Hag
g8137.t1	ACO09314.1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial
g8217.t1	AAI27561.1	Wdr43 protein

g8227.t1	XP_004547440.1	UPF0444 transmembrane protein C12orf23
g8342.t1	XP_001919224.1	cyclin-G-associated kinase
g8392.t1	XP_692458.2	cytospin-A
g8477.t1	XP_001343147.2	cell surface A33 antigen
g8510.t1	XP_004079981.1	phosphofurin acidic cluster sorting protein 1
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
g8693.t1	XP_003439350.1	cadherin-18
g871.t1	BAF93906.1	amylopullulanase
g8735.t1	XP_003201317.1	hypothetical protein LOC100535501
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A
g9.t1	AAI42906.1	Zgc:123178 protein
g90.t1	DAA01285.1	replicase/helicase/endonuclease
g9005.t1	NP_001104709.1	uncharacterized protein LOC100002393
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g9084.t1	XP_004950478.1	mucin-19
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g9469.t1	WP_007407267.1	phage portal protein
g9540.t1	XP_003200431.1	transposon TX1 uncharacterized 149 kDa protein
g9543.t1	YP_007549235.1	Pertactin
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g9590.t1	XP_003458913.1	hypothetical protein LOC100699620
g96.t1	XP_003458873.1	actin filament-associated protein 1
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g9630.t1	XP_001889728.1	predicted protein
g965.t1	XP_002660539.2	hypothetical protein LOC100333395
g9704.t1	PF02349.10	MSG
g9706.t1	WP_006737104.1	carbohydrate-binding protein
g9762.t1	XP_004540878.1	protein FAM179B
g9763.t1	XP_001844436.1	conserved hypothetical protein
g9799.t1	XP_003450494.1	hypothetical protein LOC100698500
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g9917.t1	XP_811780.1	hypothetical protein
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865

Supplemental table 58. Catfish specific genes compared to higher vertebrates

ID	Access number	Gene name
g5222.t1	ADF97628.1	14 kDa apolipoprotein
g51640.t1	PF00001.16	7tm_1
g20583.t1	XP_003453918.1	A disintegrin and metalloproteinase with thrombospondin motifs 17
g14116.t1	EAW76861.1	A kinase (PRKA) anchor protein 9
g34556.t1	XP_001465588.1	A2 protein
g56675.t1	ADD31609.1	acetyl-CoA carboxylase carboxyltransferase beta subunit protein
g96.t1	XP_003458873.1	actin filament-associated protein 1
g20566.t1	NP_001184183.1	actinodin1
g11283.t1	NP_001104660.1	actinodin2
g11256.t1	NP_001129716.1	actinodin4
qifan_comp215298_c0_seq1	NP_001071071.1	activating transcription factor 7-interacting protein 1
g29015.t1	Q28IC1	Active regulator of SIRT1
g41927.t1	XP_004074489.1	adenylate cyclase type 2
g34013.t1	XP_004570992.1	adherens junction-associated protein 1
g16423.t1	Q25460	Adhesive plaque matrix protein
g16043.t1	BAG24411.1	adrenomedullin 5
g56486.t1	XP_003445558.1	ALK tyrosine kinase receptor
g45262.t1	NP_956407.1	alkyldihydroxyacetonephosphate synthase, peroxisomal
g23765.t1	XP_004066520.1	alpha-2-macroglobulin-like protein 1
g12732.t1	XP_004560540.1	amyloid protein 2
g871.t1	BAF93906.1	amylopullulanase
g55434.t1	AAM09278.1	androgen receptor
g7410.t1	XP_002189670.2	ankyrin repeat and protein kinase domain-containing protein 1
g15407.t1	NP_956444.1	ankyrin repeat domain 12
g13228.t1	XP_003726734.1	anoctamin-8
g49323.t1	WP_006932722.1	antitoxin
g56831.t1	XP_004538214.1	AP2-associated protein kinase 1
g21593.t1	ACT76163.1	apelin
g52444.t1	PF01442.13	Apolipoprotein
yu_Contig25459	ACI15894.1	apolipoprotein C-I
qifan_comp131209_c0_seq1	XP_691110.1	apolipoprotein C-II
g29016.t1	NP_001025309.1	apolipoprotein L, 1
g1131.t1	XP_001339242.2	apolipoprotein L4
g54568.t1	BAA00422.1	apoplysialoglycoprotein
g6029.t1	NP_001187866.1	apoptosis regulator bax
g5440.t1	NP_001133472.1	Aquaporin-1
g31513.t1	XP_698551.4	arrestin domain-containing protein 1
g11635.t1	XP_695808.3	asc-type amino acid transporter 1
qifan_comp241320_c0_seq1	XP_005165074.1	asialoglycoprotein receptor 1
g35221.t1	XP_003455027.1	astrotactin-2
g55643.t1	XP_002661161.1	ATPase SWSAP1
g30268.t1	NP_001188332.1	ATPase, H+ transporting, lysosomal accessory protein 1
g11439.t1	XP_004922862.1	ATP-binding cassette sub-family A member 1
g15216.t1	XP_004555569.1	ATP-binding cassette sub-family A member 12
g6670.t1	XP_003457877.1	ATP-binding cassette sub-family F member 3
g25379.t1	NP_001093509.1	AT-rich interactive domain-containing protein 3A
g36066.t1	XP_001337239.1	autoimmune regulator
g52711.t1	XP_004919971.1	autophagy-related protein 16-2
cdna_clc_367485	XP_005157137.1	B- and T-lymphocyte attenuator
g36741.t1	XP_001334285.4	BAH and coiled-coil domain-containing protein 1
g11520.t1	NP_956383.1	band 4.1-like protein 5
g10579.t1	XP_001919171.2	b-cell receptor CD22
g52548.t1	NP_001038937.1	BCL2 binding component 3
g35966.t1	NP_001038503.2	BCL2-interacting killer (apoptosis-inducing)
qifan_comp138184_c0_seq8	NP_001129263.1	BCL2-like 11
g45968.t1	EHB16504.1	Beclin-1
g36633.t1	XP_688820.1	BEN domain-containing protein 6
g37348.t1	XP_695597.1	bestrophin-2
qifan_comp181481_c0_seq1	AGZ03658.1	beta-defensin 3
alltrinity_comp204523_c0_se	ACO13654.1	Beta-microseminoprotein
g36356.t1	YP_176592.1	beta-N-acetylglucosaminidase
qifan_comp8096_c0_seq1	NP_001073295.1	BH3 interacting domain death agonist
qifan_comp144751_c0_seq3	XP_004561102.1	bifunctional protein GImU
g38007.t1	XP_003460016.1	bifunctional protein NCOAT
g15575.t1	EPQ11548.1	Bile salt-activated lipase
qifan_comp151466_c0_seq7	XP_005722886.1	bioorientation of chromosomes in cell division protein 1-like 1
g13751.t1	NP_001107915.1	bloodthirsty-related gene family, member 18
g20233.t1	NP_001120951.1	bloodthirsty-related gene family, member 6
g3441.t1	XP_004072531.1	bone morphogenetic protein 1
g12649.t1	AFK10510.1	bone morphogenetic protein 2/4
g53754.t1	NP_001189355.1	borealin-2
g23886.t1	XP_003198179.1	BR serine/threonine-protein kinase 2
g15472.t1	Q1RM09	Brain acid soluble protein 1
alltrinity_comp188576_c0_se	ACO13762.1	Brain natriuretic peptide
g58064.t1	PF13882.1	Bravo_FIGEY
g53505.t1	XP_004541039.1	BTB/POZ domain-containing protein KCTD8

g32760.t1	NP_001243709.1	bucky ball
g46247.t1	P43573	Bud site selection protein 27
g55575.t1	XP_684799.2	butyrophilin subfamily 3 member A1
g56923.t1	PF07716.10	bZIP_2
g56431.t1	XP_002633711.1	C. briggsae CBR-ABT-1 protein
g10711.t1	XP_002736724.1	C3 and P2P-like, alpha-2-macroglobulin domain containing 8
g9531.t1	XP_001383996.2	Ca ²⁺ -modulated nonselective cation channel polycystin
g8693.t1	XP_003439350.1	cadherin-18
g25960.t1	NP_571156.2	cadherin-2
g29295.t1	NP_571161.2	cadherin-4
g43788.t1	CBV36645.1	CagY protein
g41065.t1	XP_002662860.1	calcium/calmodulin-dependent protein kinase II inhibitor 2
g20780.t1	XP_003759429.1	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
g42177.t1	XP_003341942.1	caprin-2
g9706.t1	WP_006737104.1	carbohydrate-binding protein
g51258.t1	PF00619.16	CARD
g48974.t1	XP_682906.3	casikin-1
qifan_comp208517_c0_seq1	AAG45230.1	Caspy2
g33287.t1	ELV12725.1	Cathepsin O
g15560.t1	XP_003437878.1	c-C chemokine receptor type 4
g57386.t1	ABA54949.1	CC chemokine SCYA101
g57387.t1	AAT52141.1	CC chemokine SCYA107
g42255.t1	ABA54958.1	CC chemokine SCYA111
alltrinity_comp188056_c1_se	AAZ99069.1	CC chemokine SCYA114B
g25456.t1	ABA54968.1	CC chemokine SCYA121
182_ccaa	ABA54971.1	CC chemokine SCYA126
qifan_comp140824_c0_seq5	BAA31459.1	CC chemokine-1
qifan_comp200851_c0_seq1	XP_005806461.1	c-C motif chemokine 21
g13242.t1	BAB39135.1	CD11-2
g7760.t1	XP_004539421.1	CD209 antigen
g32270.t1	CAZ61325.1	CD34b1 molecule
g54092.t1	XP_001922491.1	CD44 antigen
g51480.t1	ABG37787.1	CD59
g20404.t1	NP_001187190.1	CD8 beta
g7895.t1	ACM09142.1	CD9 antigen
g48326.t1	XP_004540839.1	cdc42 effector protein 3
g30482.t1	XP_001920873.2	CDK5 and ABL1 enzyme substrate 2
g12467.t1	NP_001038757.2	cell death regulator aven
g23540.t1	WP_004224007.1	cell division protein
g30594.t1	WP_010168040.1	cell divisionFtsK/SpoIIIE
g8477.t1	XP_001343147.2	cell surface A33 antigen
g3759.t1	XP_666642.1	cell surface protein that may regulate cell wall beta-glucan synthesis and bud site selection
alltrinity_comp209178_c0_se	XP_001920764.4	cell wall protein DAN4
g3513.t1	NP_001187005.1	cellular tumor antigen p53
g20772.t1	NP_001107081.1	centromere protein H
g25618.t1	NP_001140135.1	Centromere protein Q
yu_Contig20690	XP_709181.2	centromere protein W
g44104.t1	NP_001091860.1	centrosomal protein kizuna
g41823.t1	P85001	Centrosomal protein of 290 kDa
g6014.t1	XP_692550.3	centrosome-associated protein CEP250
g27222.t1	NP_001082943.1	ceramide kinase-like protein
pac_pacbio_410079617_1/22	EMP39401.1	CGG triplet repeat-binding protein 1
g2844.t1	2HT1_A	Chain A, The Closed Ring Structure Of The Rho Transcription Termination Factor In Complex With Nucleic Acid In The Motor Domains
g5292.t1	XP_002662920.1	chemokine factor
g33507.t1	AAK49448.1	chloroquine resistance marker protein
g44608.t1	XP_706416.1	chromosomal protein D1
alltrinity_comp199220_c1_se	XP_005798921.1	c-Jun-amino-terminal kinase-interacting protein 3
g33332.t1	XP_003972110.1	coiled-coil and C2 domain-containing protein 1A
g28401.t1	NP_001070919.2	coiled-coil domain containing 120
g24168.t1	XP_004544675.1	coiled-coil domain-containing protein 117
g44895.t1	XP_002933315.2	coiled-coil domain-containing protein 148
g32484.t1	XP_687726.1	coiled-coil domain-containing protein 36
g3420.t1	Q1LX29.2	Coiled-coil domain-containing protein 79
g10144.t1	PF01391.13	Collagen
g12040.t1	XP_002662551.2	collagen alpha-1(VII) chain
g34788.t1	XP_001922046.3	collagen alpha-1(XIV) chain
g28667.t1	XP_697241.3	collagen alpha-1(XVII) chain
g13302.t1	XP_002665520.2	collagen alpha-1(XXII) chain
g12877.t1	XP_002193897.1	collagen alpha-1(XXVII) chain B
g6791.t1	NP_001167092.1	Collagen alpha-1XIII chain
g1163.t1	XP_002798555.1	collagen protein 1
g22445.t1	CCK86746.1	collagen type XXII alpha 1 chain
g32356.t1	XP_004076492.1	complement factor B
g11568.t1	EMC83937.1	Condensin-2 complex subunit G2
g9763.t1	XP_001844436.1	conserved hypothetical protein
g41482.t1	XP_001350773.1	conserved Plasmodium protein
g51158.t1	XP_003975563.1	contactin-associated protein 2
g53343.t1	XP_003386867.1	copine-8

g2545.t1	WP_000135232.1	coproporphyrinogen III oxidase
g42941.t1	PF02389.10	Cornifin
g51109.t1	Q9PTS1	Corticoliberin
g41032.t1	PF00118.19	Cpn60_TCP1
g31007.t1	XP_003763660.1	craniofacial development protein 2
g39559.t1	AAH98871.1	Crfb12 protein
g3522.t1	NP_956605.1	CTAGE family, member 5
g6067.t1	XP_002667358.2	C-type lectin lectoxin-Phi1
g4451.t1	XP_002662754.2	c-type mannose receptor 2
g50715.t1	XP_004560147.1	CUB domain-containing protein 1
qifan_comp273020_c0_seq1	XP_005810439.1	c-X-C chemokine receptor type 2
152_ccaa	NP_001187131.1	CXCL2-like chemokine
g14877.t1	XP_004555080.1	cyclic AMP-dependent transcription factor ATF-6 alpha
g13279.t1	NP_998697.2	cyclic AMP-responsive element-binding protein 3
g5762.t1	XP_002731275.1	cyclic nucleotide gated channel beta 1
g8342.t1	XP_001919224.1	cyclin-G-associated kinase
g45526.t1	NP_001070188.1	cyclin-Y-like protein 1
g48392.t1	XP_004082650.1	cysteine-rich motor neuron 1 protein
g18872.t1	Q03650	Cysteine-rich, acidic integral membrane protein;status=Potential
g8392.t1	XP_692458.2	cytospin-A
g30928.t1	PF13358.1	DDE_3
g2724.t1	XP_002759793.1	deleted in lung and esophageal cancer protein 1
g12598.t1	XP_001333959.3	deleted in malignant brain tumors 1 protein
g8137.t1	ACO09314.1	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial
g30353.t1	XP_004558910.1	demethylmenaquinone methyltransferase
g52686.t1	XP_685616.1	dentin sialophosphoprotein
g23464.t1	XP_003197864.1	desmoglein-4
alltrinity_comp200833_c0_se	XP_005804311.1	desmoplakin
g30964.t1	NP_001008598.1	diamine N-acetyltransferase 2
g16429.t1	XP_004066698.1	dipeptidyl peptidase 4
g17889.t1	NP_999893.1	disks large homolog 4
g31232.t1	PF07263.6	DMP1
g25309.t1	ACR77514.1	Dmrt1a
g22736.t1	A2BGR3	DNA excision repair protein ERCC-6-like
g1065.t1	NP_001119860.1	DNA ligase 1
g10499.t1	XP_003725042.1	DNA polymerase delta catalytic subunit
g50305.t1	XP_686065.4	DNA polymerase sigma
blue_Contig48770.1_7771	XP_005168614.1	DNA transposase THAP9
g52695.t1	XP_001332164.1	DNA-directed RNA polymerase I subunit RPA43
g13990.t1	XP_002738840.1	DNA-directed RNA polymerase II largest subunit
g29938.t1	XP_002735316.1	DNA-directed RNA polymerase II subunit RPB1
g2839.t1	WP_020240972.1	DNA-directed RNA polymerase subunit beta
g2883.t1	WP_001638606.1	DNA-directed RNA polymerase, beta subunit
g52136.t1	O57460	Dorsal-ventral patterning tolloid-like protein 1
g25308.t1	ADM07317.1	doublesex and mab-3 related transcription factor 1
g29075.t1	XP_004930640.1	double-strand-break repair protein rad21
g52531.t1	AAH95826.1	Dre1 protein
g7329.t1	PF06469.6	DUF1088
g15024.t1	PF08861.5	DUF1828
g22927.t1	PF09004.5	DUF1891
g10153.t1	PF09738.4	DUF2051
g33875.t1	PF10265.4	DUF2217
g41460.t1	PF10164.4	DUF2367
g26446.t1	PF05673.8	DUF815
g38123.t1	P15305	Dynein heavy chain
g56136.t1	AAI62536.1	Dzip1 protein
g27934.t1	XP_003451169.1	E3 ubiquitin/ISG15 ligase TRIM25
alltrinity_comp198963_c0_se	XP_005165431.1	E3 ubiquitin-protein ligase ARIH2
g2409.t1	XP_002663728.1	e3 ubiquitin-protein ligase DTX3L
g21484.t1	XP_699448.4	E3 ubiquitin-protein ligase hyd
g10086.t1	XP_004549704.1	E3 ubiquitin-protein ligase NEDD4
g32438.t1	NP_956431.1	E3 ubiquitin-protein ligase RAD18
g33285.t1	XP_003199987.1	e3 ubiquitin-protein ligase RNF130
g47469.t1	XP_687871.3	E3 ubiquitin-protein ligase RNF216
g40365.t1	XP_004079095.1	E3 ubiquitin-protein ligase RNF220
g32377.t1	XP_002662297.1	E3 ubiquitin-protein ligase TRIM21
g18631.t1	XP_003198959.1	E3 ubiquitin-protein ligase TRIM39
g26129.t1	AAI24248.1	Echinoderm microtubule associated protein like 1
g18017.t1	XP_003445312.1	ecto-NOX disulfide-thiol exchanger 1
g26247.t1	XP_694692.3	ecto-NOX disulfide-thiol exchanger 2
g17253.t1	XP_004635542.1	EF-hand calcium-binding domain-containing protein 5
g11551.t1	PF09528.5	Ehrlichia_rpt
qifan_comp97686_c0_seq1	NP_001073532.2	elastin a
g35924.t1	XP_003439672.1	electrogenic sodium bicarbonate cotransporter 4
g11258.t1	CBN81153.1	Ellis-van Creveld syndrome protein
g18294.t1	AAR12991.1	embryogenesis regulator
g27683.t1	XP_001922506.1	ensconsin
g32849.t1	ABB52638.1	envelope polyprotein
g4843.t1	YP_443923.1	envelope protein

g10915.t1	XP_002660956.2	enzymatic polyprotein
g39611.t1	NP_001187950.1	ependymin-1
g15165.t1	XP_003451020.1	ephrin-A3
g4542.t1	XP_001334908.4	epsin-3
qifan_comp142224_c0_seq1	XP_003198166.1	equinatoxin-4
g41042.t1	AAQ72466.1	erythropoietin brain specific
g12959.t1	NP_001187003.1	estrogen receptor
g25715.t1	XP_694490.4	eukaryotic translation initiation factor 4 gamma 3
g17725.t1	XP_004913233.1	extensin
g12927.t1	XP_003458958.1	extracellular calcium-sensing receptor
g29336.t1	NP_001187899.1	fam107a
g44586.t1	AAI55330.1	Fam134c
g34354.t1	NP_001035727.1	Fanconi anemia, complementation group C
g34357.t1	PF02106.10	Fanconi_C
g33391.t1	NP_001187145.1	FcR gamma subunit
g26389.t1	XP_004066755.1	FERM and PDZ domain-containing protein 4
g25910.t1	AAO74862.1	fetuin long form
g50909.t1	ELK08980.1	Fibronectin type III domain containing 3c
g13196.t1	NP_001038735.2	finTRIM family, member 14
g11778.t1	CAP08943.1	fish virus induced TRIM protein
g40209.t1	XP_004575319.1	flocculation protein FLO11
g18881.t1	BAJ19137.1	forkhead box L2
g54810.t1	ACJ36222.1	forkhead box P1b
qifan_comp133841_c0_seq1	XP_001332860.3	FOS-like antigen 1b
g24245.t1	XP_004547114.1	fumarylacetoacetate hydrolase domain-containing protein 2
qifan_comp146158_c0_seq1	NP_001188353.1	FXD domain containing ion transport regulator 7
g39605.t1	PF07078.6	FYTT
blue_Contig67003.1_3908	CBN80910.1	G2/M phase-specific E3 ubiquitin-protein ligase
g48426.t1	AAI00037.1	G2e3 protein
g34959.t1	NP_001182171.1	g6f
g2089.t1	BAC82608.1	gag-like protein
g32899.t1	O92815	Gag-Pol polyprotein
g32906.t1	CBN80957.1	Gag-protease
qifan_comp52895_c0_seq1	XP_005163007.1	galaxin
g48825.t1	NP_001137515.1	gamma-aminobutyric acid type B receptor subunit 2
g36641.t1	NP_001140110.1	Gap junction beta-5 protein
g10422.t1	XP_003199491.1	gastrin/cholecystokinin-like peptide
g6093.t1	P29007	Gastrin-releasing peptide
g52458.t1	PF07699.8	GCC2_GCC3
g38767.t1	ADE73874.1	GCHV-induced protein 1
g14637.t1	XP_004077286.1	general transcription factor II-I repeat domain-containing protein 2
g50917.t1	XP_001977012.1	GG18469
g3764.t1	XP_001995580.1	GH17681
g18854.t1	XP_002060930.1	GK12693
g34410.t1	XP_003974888.1	glutamate receptor delta-2 subunit
alltrinity_comp206413_c0_se	XP_001336706.1	glutamate-rich protein 1
g2882.t1	WP_001271722.1	glutamine synthetase
g16807.t1	NP_001073305.1	glycoprotein integral membrane protein 1
g27663.t1	AAK69693.1	glypican Knypek
g27664.t1	XP_688014.3	glypican-3
g37533.t1	NP_001118051.1	gonadal-soma derived growth factor
g3034.t1	YP_302666.1	gp140
g5918.t1	XP_003965085.1	granulocyte colony-stimulating factor
alltrinity_comp181918_c0_se	AHG99397.1	group III secreted phospholipase A2-3A2
g38400.t1	NP_001187143.1	growth hormone receptor
qifan_comp112233_c0_seq1	XP_005157000.1	growth-regulated alpha protein
g24953.t1	ACI33817.1	GTPase IMAP family member 4
yu_k66:1378004	XP_004928753.1	guanine nucleotide-releasing factor 2
g26899.t1	EHB09859.1	Guanylate cyclase soluble subunit beta-2
454_FWM5MQA01CCCEIS	AAA93301.1	HASI
g14648.t1	PF07382.6	HC2
g7454.t1	EAW92202.1	hCG1809684
g22011.t1	EAW51470.1	hCG2042692
g44716.t1	NP_001002337.1	HCLS1-associated protein X-1
g34662.t1	ABD77534.1	HDCME31P
g24641.t1	XP_003454162.1	hemicentin-1
g49510.t1	XP_003972120.1	hemicentin-2
g15380.t1	XP_705649.1	hemogen
g1651.t1	NP_001187115.1	hemoglobin-beta
g3174.t1	XP_002660455.1	heparan-alpha-glucosaminide N-acetyltransferase
g40525.t1	NP_001188323.1	hepcidin
g17357.t1	AAG24398.1	HER-7 protein
g30955.t1	XP_003441680.1	HHIP-like 1
g54257.t1	ACO13992.1	High choriolytic enzyme 1
pac_pacbio_411701930_1/8E	EHH64134.1	Histone acetyltransferase MYST3
g13362.t1	NP_956069.1	histone deacetylase 10
g10908.t1	XP_685659.4	histone deacetylase 5
g42912.t1	P06350	Histone H1
g23517.t1	XP_690894.2	histone H3.v1

g24326.t1	XP_683890.4	histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific
g30993.t1	XP_004543651.1	homeobox protein SIX5
g4173.t1	XP_701123.5	homeodomain-interacting protein kinase 1
g17899.t1	PF00447.12	HSF_DNA-bind
g22899.t1	PF13384.1	HTH_23
g45706.t1	NP_001025335.1	human immunodeficiency virus type I enhancer binding protein 2a
g12365.t1	XP_001920196.2	hydrolethalus syndrome protein 1
g13562.t1	YP_001876624.1	hypothetical chloroplast RF1
g17102.t1	WP_003708364.1	hypothetical protein
g9917.t1	XP_811780.1	hypothetical protein
g11013.t1	EGB06137.1	hypothetical protein AURANDRAFT_65843
g2769.t1	EJD48430.1	hypothetical protein AUDEDRAFT_162391
g45852.t1	YP_003919951.1	hypothetical protein BAMF_1355
g54476.t1	YP_005593849.1	hypothetical protein Bint_0640
g46182.t1	XP_002586369.1	hypothetical protein BRAFLDRAFT_108654
g28912.t1	XP_002585510.1	hypothetical protein BRAFLDRAFT_111928
g40298.t1	XP_002604430.1	hypothetical protein BRAFLDRAFT_122294
g43136.t1	XP_002588767.1	hypothetical protein BRAFLDRAFT_125631
g49689.t1	XP_002608706.1	hypothetical protein BRAFLDRAFT_141143
g14256.t1	XP_002597526.1	hypothetical protein BRAFLDRAFT_157550
g10695.t1	XP_002596042.1	hypothetical protein BRAFLDRAFT_203088
g4649.t1	XP_002612785.1	hypothetical protein BRAFLDRAFT_233058
g24398.t1	XP_002586998.1	hypothetical protein BRAFLDRAFT_241665
g22907.t1	XP_002611533.1	hypothetical protein BRAFLDRAFT_63830
g29085.t1	XP_002595598.1	hypothetical protein BRAFLDRAFT_64708
g29089.t1	XP_002600337.1	hypothetical protein BRAFLDRAFT_66570
g51281.t1	XP_002612858.1	hypothetical protein BRAFLDRAFT_67192
g32360.t1	XP_002614072.1	hypothetical protein BRAFLDRAFT_67342
g32039.t1	XP_002592449.1	hypothetical protein BRAFLDRAFT_68935
g28918.t1	XP_002597398.1	hypothetical protein BRAFLDRAFT_69317
g54475.t1	XP_002605385.1	hypothetical protein BRAFLDRAFT_74205
g31382.t1	XP_002601347.1	hypothetical protein BRAFLDRAFT_82740
g56712.t1	XP_002595996.1	hypothetical protein BRAFLDRAFT_84070
g10990.t1	XP_002606124.1	hypothetical protein BRAFLDRAFT_88034
g33397.t1	XP_002611129.1	hypothetical protein BRAFLDRAFT_88472
g41669.t1	XP_002611125.1	hypothetical protein BRAFLDRAFT_88477
g3800.t1	XP_002588954.1	hypothetical protein BRAFLDRAFT_89145
g44687.t1	XP_002600389.1	hypothetical protein BRAFLDRAFT_99580
g36047.t1	YP_001610185.1	hypothetical protein Btr_1952
g33286.t1	EGT44756.1	hypothetical protein CAEBREN_31863
g3762.t1	ELU14367.1	hypothetical protein CAPTEDRAFT_122670
g3639.t1	ELT99396.1	hypothetical protein CAPTEDRAFT_129062
g47895.t1	ELU09108.1	hypothetical protein CAPTEDRAFT_129541
g22021.t1	ELT93498.1	hypothetical protein CAPTEDRAFT_132122
g49972.t1	ELU14572.1	hypothetical protein CAPTEDRAFT_134234
g56357.t1	ELT96428.1	hypothetical protein CAPTEDRAFT_188161
g28087.t1	ELU15299.1	hypothetical protein CAPTEDRAFT_193779
g8529.t1	ELU09626.1	hypothetical protein CAPTEDRAFT_197238
g37826.t1	ELU13954.1	hypothetical protein CAPTEDRAFT_199105
g51084.t1	ELU17652.1	hypothetical protein CAPTEDRAFT_199760
g21873.t1	ELU12253.1	hypothetical protein CAPTEDRAFT_199795
g13526.t1	ELT96925.1	hypothetical protein CAPTEDRAFT_203297
g14397.t1	ELU03694.1	hypothetical protein CAPTEDRAFT_206368
g6906.t1	ELT99637.1	hypothetical protein CAPTEDRAFT_213347
g7060.t1	ELU16013.1	hypothetical protein CAPTEDRAFT_221212
g46621.t1	XP_002635918.1	Hypothetical protein CBG01143
g16549.t1	XP_002646868.1	Hypothetical protein CBG19558
g30825.t1	XP_002634736.1	Hypothetical protein CBG21056
g10996.t1	XP_002648163.1	Hypothetical protein CBG24246
g50194.t1	YP_875591.1	hypothetical protein CENSYa_0654
g52617.t1	GAA50545.1	hypothetical protein CLF_104705
g4787.t1	XP_002261971.1	hypothetical protein conserved in Plasmodium species
g54647.t1	XP_003102665.1	hypothetical protein CRE_03315
g23905.t1	AGO14414.1	hypothetical protein CsmBAC4b19.5
g12633.t1	EPQ01880.1	hypothetical protein D623_10000967
g52505.t1	EFX62990.1	hypothetical protein DAPPUDRAFT_336091
g12852.t1	XP_003286425.1	hypothetical protein DICPUDRAFT_150384
g28067.t1	EFN70855.1	hypothetical protein EAG_02155
g55005.t1	EFN61459.1	hypothetical protein EAG_09655
g9297.t1	EFN82970.1	hypothetical protein EAI_03258
g42435.t1	EFN77868.1	hypothetical protein EAI_13890
g10092.t1	EHH58911.1	hypothetical protein EGM_08878
g39952.t1	EFQ26632.1	hypothetical protein GLRG_02452
g46780.t1	EKX44000.1	hypothetical protein GUIHDRAFT_140130
g28427.t1	EKX33785.1	hypothetical protein GUIHDRAFT_52591
g50393.t1	EKX32187.1	hypothetical protein GUIHDRAFT_82550
pac_pacbio_412375902_2/3	EHB04114.1	hypothetical protein GW7_16196
g20650.t1	YP_001784890.1	hypothetical protein HSM_1570
g31107.t1	EGV98430.1	hypothetical protein I79_020533

alltrinity_comp220407_c0_se	XP_004030402.1	hypothetical protein IMG5_161750
g31075.t1	XP_002414393.1	hypothetical protein IscW_ISCW012389
g11127.t1	EHJ73938.1	hypothetical protein KGM_12229
g32724.t1	EMS13975.1	hypothetical protein KM1_292760
g20457.t1	XP_001340940.4	hypothetical protein LOC100000814
g31187.t1	XP_001341234.1	hypothetical protein LOC100001178
g22195.t1	XP_001341343.3	hypothetical protein LOC100001321
g27168.t1	XP_001341347.1	hypothetical protein LOC100001326
g39159.t1	XP_001342957.2	hypothetical protein LOC100003370
g40708.t1	XP_001343574.1	hypothetical protein LOC100004214
g40667.t1	XP_001344323.3	hypothetical protein LOC100005214
g27730.t1	XP_001344603.2	hypothetical protein LOC100005596
g24589.t1	XP_003198716.1	hypothetical protein LOC100005950
g17468.t1	XP_003198339.1	hypothetical protein LOC100034534
g10136.t1	XP_003201153.1	hypothetical protein LOC100034626
g51316.t1	XP_003200992.1	hypothetical protein LOC100034652
g6099.t1	XP_001919116.2	hypothetical protein LOC100149486
g26912.t1	XP_003200579.1	hypothetical protein LOC100149834
g12351.t1	XP_001923568.1	hypothetical protein LOC100149918
g19796.t1	XP_001920901.2	hypothetical protein LOC100150454
g32604.t1	XP_001919005.1	hypothetical protein LOC100150875
g10087.t1	XP_001946267.2	hypothetical protein LOC100159899
g17657.t1	XP_002662059.2	hypothetical protein LOC100318173
g42772.t1	XP_002664138.2	hypothetical protein LOC100318549
g40895.t1	XP_002665380.1	hypothetical protein LOC100320750
g52960.t1	XP_002666775.2	hypothetical protein LOC100329326
g33899.t1	XP_002660983.1	hypothetical protein LOC100329375
g34720.t1	XP_002664903.1	hypothetical protein LOC100329570
g10603.t1	XP_002667207.2	hypothetical protein LOC100329940
g14636.t1	XP_002662769.1	hypothetical protein LOC100330014
g39215.t1	XP_002663872.1	hypothetical protein LOC100330331
g28608.t1	XP_002667279.1	hypothetical protein LOC100330441
g16182.t1	XP_002660723.2	hypothetical protein LOC100330703
g20608.t1	XP_002661760.2	hypothetical protein LOC100330775
g34055.t1	XP_002663179.1	hypothetical protein LOC100330855
g24765.t1	XP_002662390.2	hypothetical protein LOC100331078
g48172.t1	XP_002667622.2	hypothetical protein LOC100331296
g12615.t1	XP_003198393.1	hypothetical protein LOC100331523
g47515.t1	XP_002661216.1	hypothetical protein LOC100331676
g51141.t1	XP_002666701.1	hypothetical protein LOC100332010
g50048.t1	XP_002662629.1	hypothetical protein LOC100332081
g54670.t1	XP_002667295.2	hypothetical protein LOC100332327
g44068.t1	XP_002665289.1	hypothetical protein LOC100332936
g965.t1	XP_002660539.2	hypothetical protein LOC100333395
g11392.t1	XP_002667924.1	hypothetical protein LOC100333442
g1310.t1	XP_003200649.1	hypothetical protein LOC100333514
g12805.t1	XP_002661651.2	hypothetical protein LOC100334110
g25600.t1	XP_002660979.1	hypothetical protein LOC100334473
g9853.t1	XP_002801490.1	hypothetical protein LOC100425551
g21486.t1	XP_003200325.1	hypothetical protein LOC100534778
g10013.t1	XP_003198168.1	hypothetical protein LOC100535034
g5695.t1	XP_003200510.1	hypothetical protein LOC100535407
g44186.t1	XP_003200419.1	hypothetical protein LOC100535468
g43481.t1	XP_003197757.1	hypothetical protein LOC100535483
g8029.t1	XP_003200612.1	hypothetical protein LOC100535498
g8735.t1	XP_003201317.1	hypothetical protein LOC100535501
g29556.t1	XP_003197780.1	hypothetical protein LOC100535525
g19689.t1	XP_003201278.1	hypothetical protein LOC100535693
g28564.t1	XP_003198618.1	hypothetical protein LOC100535945
g1227.t1	XP_003198150.1	hypothetical protein LOC100535957
g16868.t1	XP_003197744.1	hypothetical protein LOC100536106
g10774.t1	XP_003198835.1	hypothetical protein LOC100536113
g12024.t1	XP_003201129.1	hypothetical protein LOC100536326
g53087.t1	XP_003200750.1	hypothetical protein LOC100536356
g18154.t1	XP_003200310.1	hypothetical protein LOC100536514
g11277.t1	XP_003197745.1	hypothetical protein LOC100536567
g37039.t1	XP_003197759.1	hypothetical protein LOC100536568
g521.t1	XP_003198041.1	hypothetical protein LOC100536709
g16515.t1	XP_003198458.1	hypothetical protein LOC100536930
g31924.t1	XP_003200217.1	hypothetical protein LOC100537160
g13487.t1	XP_003201639.1	hypothetical protein LOC100537186
g45175.t1	XP_003199210.1	hypothetical protein LOC100537189
g13005.t1	XP_003199656.1	hypothetical protein LOC100537292
g25805.t1	XP_003201086.1	hypothetical protein LOC100537459
g43161.t1	XP_003201270.1	hypothetical protein LOC100537492
g48204.t1	XP_003199816.1	hypothetical protein LOC100537723
g22727.t1	XP_003200253.1	hypothetical protein LOC100537945
g12081.t1	XP_003198218.1	hypothetical protein LOC100538074
g33476.t1	XP_003199572.1	hypothetical protein LOC100538095

g20049.t1	XP_003197739.1	hypothetical protein LOC100538131
g4684.t1	XP_003198327.1	hypothetical protein LOC100538209
g12588.t1	XP_003201095.1	hypothetical protein LOC100538252
g51472.t1	XP_003201436.1	hypothetical protein LOC100538324
pac_pacbio_410784309_1/64	XP_003390896.1	hypothetical protein LOC100636977
g16644.t1	XP_003386609.1	hypothetical protein LOC100640796
pac_pacbio_410493302_1/17	XP_003389649.1	hypothetical protein LOC100641058
g53019.t1	XP_003396199.1	hypothetical protein LOC100649135
g30105.t1	XP_003459560.1	hypothetical protein LOC100690246
g7212.t1	XP_003446071.1	hypothetical protein LOC100690464
g15033.t1	XP_003443304.1	hypothetical protein LOC100690994
g1111.t1	XP_003459783.1	hypothetical protein LOC100691594
g14598.t1	XP_003442586.1	hypothetical protein LOC100693773
g12663.t1	XP_003440164.1	hypothetical protein LOC100693855
g26285.t1	XP_003451558.1	hypothetical protein LOC100693979
g10492.t1	XP_003458266.1	hypothetical protein LOC100694457
g5051.t1	XP_003455916.1	hypothetical protein LOC100694549
g16959.t1	XP_003456487.1	hypothetical protein LOC100695782
g16052.t1	XP_003460003.1	hypothetical protein LOC100695983
g14329.t1	XP_003449587.1	hypothetical protein LOC100697617
g55868.t1	XP_003459730.1	hypothetical protein LOC100698379
g9799.t1	XP_003450494.1	hypothetical protein LOC100698500
g1976.t1	XP_003458911.1	hypothetical protein LOC100698537
g9590.t1	XP_003458913.1	hypothetical protein LOC100699620
g56359.t1	XP_003452588.1	hypothetical protein LOC100700306
g36774.t1	XP_003448688.1	hypothetical protein LOC100701016
g35438.t1	XP_003453967.1	hypothetical protein LOC100701215
g10566.t1	XP_003447938.1	hypothetical protein LOC100701921
g33052.t1	XP_003444443.1	hypothetical protein LOC100702260
g27356.t1	XP_003450426.1	hypothetical protein LOC100702467
g30380.t1	XP_003457430.1	hypothetical protein LOC100703482
g23715.t1	XP_003459749.1	hypothetical protein LOC100704041
g18348.t1	XP_003458468.1	hypothetical protein LOC100705191
g29021.t1	XP_003443275.1	hypothetical protein LOC100705581
g48617.t1	XP_003457437.1	hypothetical protein LOC100705635
g10009.t1	XP_003460241.1	hypothetical protein LOC100705656
g23727.t1	XP_003444290.1	hypothetical protein LOC100705845
g10090.t1	XP_003458471.1	hypothetical protein LOC100705979
g10604.t1	XP_003460036.1	hypothetical protein LOC100706714
g49113.t1	XP_003441971.1	hypothetical protein LOC100706998
g24819.t1	XP_003457921.1	hypothetical protein LOC100707135
g56700.t1	XP_003445302.1	hypothetical protein LOC100707181
g26972.t1	XP_003454161.1	hypothetical protein LOC100708199
g55310.t1	XP_003455887.1	hypothetical protein LOC100708291
g14341.t1	XP_003444634.1	hypothetical protein LOC100708884
g47990.t1	XP_003440221.1	hypothetical protein LOC100709949
g10912.t1	XP_003444806.1	hypothetical protein LOC100710310
g48537.t1	XP_003444640.1	hypothetical protein LOC100710489
g45797.t1	XP_003453997.1	hypothetical protein LOC100710874
g7012.t1	XP_003440304.1	hypothetical protein LOC100711451
g30361.t1	XP_003459183.1	hypothetical protein LOC100712513
g31295.t1	XP_003487195.1	hypothetical protein LOC100745452
g36817.t1	XP_003494680.1	hypothetical protein LOC100749894
g7382.t1	XP_003197768.1	hypothetical protein LOC335281
g40792.t1	XP_002662871.1	hypothetical protein LOC394209
g44635.t1	XP_001921158.2	hypothetical protein LOC449864
g5611.t1	XP_003200393.1	hypothetical protein LOC449979
g11708.t1	XP_002663454.2	hypothetical protein LOC450004
g5447.t1	XP_003201264.1	hypothetical protein LOC497177
g30255.t1	XP_002666522.1	hypothetical protein LOC553431
g36073.t1	XP_683309.2	hypothetical protein LOC555649
g7626.t1	XP_683329.3	hypothetical protein LOC555663
g36783.t1	XP_003199674.1	hypothetical protein LOC557615
g33207.t1	XP_687197.4	hypothetical protein LOC558838
g41393.t1	XP_687443.5	hypothetical protein LOC559049
g1380.t1	XP_687560.4	hypothetical protein LOC559152
g19603.t1	XP_689141.4	hypothetical protein LOC560652
g37038.t1	XP_689188.3	hypothetical protein LOC560699
g21159.t1	XP_689501.2	hypothetical protein LOC561010
g18101.t1	XP_689554.5	hypothetical protein LOC561062
g30999.t1	XP_689978.5	hypothetical protein LOC561486
g628.t1	XP_690436.1	hypothetical protein LOC561947
g54587.t1	XP_691803.3	hypothetical protein LOC563347
g30653.t1	XP_693095.2	hypothetical protein LOC564674
g57297.t1	XP_003197742.1	hypothetical protein LOC565594
g18803.t1	XP_693996.3	hypothetical protein LOC565630
g21983.t1	XP_694330.3	hypothetical protein LOC565974
g23574.t1	XP_694444.5	hypothetical protein LOC566084
g14304.t1	XP_694502.3	hypothetical protein LOC566140

g3153.t1	XP_003199000.1	hypothetical protein LOC566660
g8427.t1	XP_001920348.3	hypothetical protein LOC567743
g17730.t1	XP_696219.3	hypothetical protein LOC567822
g13766.t1	XP_003201051.1	hypothetical protein LOC568716
g40614.t1	XP_697364.2	hypothetical protein LOC568911
g16066.t1	XP_697646.3	hypothetical protein LOC569187
g30140.t1	XP_697773.2	hypothetical protein LOC569303
g32806.t1	XP_698346.1	hypothetical protein LOC569844
g37949.t1	XP_698488.5	hypothetical protein LOC569976
g18439.t1	XP_001332199.4	hypothetical protein LOC792632
g53724.t1	XP_001332295.4	hypothetical protein LOC792710
g49865.t1	XP_001332352.1	hypothetical protein LOC792761
g31759.t1	XP_001921853.2	hypothetical protein LOC794266
g938.t1	XP_001334793.2	hypothetical protein LOC794766
g35370.t1	XP_001333737.1	hypothetical protein LOC795321
g55848.t1	XP_001336831.3	hypothetical protein LOC796490
g42406.t1	XP_001337771.1	hypothetical protein LOC797299
g610.t1	XP_001338697.2	hypothetical protein LOC798244
g26715.t1	XP_001338900.4	hypothetical protein LOC798456
g31378.t1	XP_001920404.3	hypothetical protein LOC798921
g56839.t1	ELR56375.1	hypothetical protein M91_00108
g1865.t1	ELR51638.1	hypothetical protein M91_02900
g25.t1	ELR56546.1	hypothetical protein M91_19203
g43441.t1	ELK26545.1	hypothetical protein MDA_GLEAN10019264
g14309.t1	YP_002465894.1	hypothetical protein Mpa1_0809
pac_pacbio_409627866_1/11	ETN76104.1	hypothetical protein NECAME_11906
g45864.t1	XP_001622232.1	hypothetical protein NEMVEDRAFT_v1g142021
g47765.t1	XP_001622442.1	hypothetical protein NEMVEDRAFT_v1g220701
g46353.t1	XP_001621498.1	hypothetical protein NEMVEDRAFT_v1g221917
g15013.t1	XP_001621264.1	hypothetical protein NEMVEDRAFT_v1g222181
pac_pacbio_410429452_1/1	XP_001620974.1	hypothetical protein NEMVEDRAFT_v1g222501
g42760.t1	XP_001620448.1	hypothetical protein NEMVEDRAFT_v1g223105
g42015.t1	XP_001619021.1	hypothetical protein NEMVEDRAFT_v1g224595
g42582.t1	XP_001619734.1	hypothetical protein NEMVEDRAFT_v1g3442
g8815.t1	XP_001621555.1	hypothetical protein NEMVEDRAFT_v1g3947
g50575.t1	XP_001620110.1	hypothetical protein NEMVEDRAFT_v1g66646
g18458.t1	XP_001617642.1	hypothetical protein NEMVEDRAFT_v1g9604
g36059.t1	ADO19075.1	hypothetical protein Nfla_3905
g24825.t1	XP_004224544.1	hypothetical protein PCYB_134710
g19265.t1	XP_002432050.1	hypothetical protein Phum_PHUM566470
g2103.t1	EMJ08101.1	hypothetical protein PRUPE_ppb013565mg
g56336.t1	YP_001280836.1	hypothetical protein PsycPRwf_1946
g37609.t1	XP_004995507.1	hypothetical protein PTSG_12079
pac_pacbio_410181079_1/4	EXX63943.1	hypothetical protein RirG_147560
g19938.t1	EIE76881.1	hypothetical protein RO3G_01585
g54763.t1	YP_001275754.1	hypothetical protein RoserS_1404
g8740.t1	YP_779017.1	hypothetical protein RPE_0076
g54279.t1	YP_008153212.1	hypothetical protein SCE1572_34195
g37615.t1	EGW34610.1	hypothetical protein SPAPADRAFT_49639
pac_pacbio_409695269_4/11	EFA13373.1	hypothetical protein TcasGA2_TCO01390
pac_pacbio_410081394_1/3	EFA11959.1	hypothetical protein TcasGA2_TCO05046
g21223.t1	EEZ97438.1	hypothetical protein TcasGA2_TCO11269
g7325.t1	XP_003683123.1	hypothetical protein TDEL_OH00530
g31392.t1	YP_722821.1	hypothetical protein Tery_3231
g25831.t1	YP_722822.1	hypothetical protein Tery_3232
g57781.t1	EPR63348.1	hypothetical protein TGGT1_250670
g17272.t1	ELW68650.1	hypothetical protein TREES_T100008716
g26771.t1	ELW48902.1	hypothetical protein TREES_T100014267
g47087.t1	EMS58462.1	hypothetical protein TRIUR3_26054
g46390.t1	EMP31367.1	hypothetical protein UY3_11496
g5944.t1	XP_002957519.1	hypothetical protein VOLCADRAFT_107729
g30796.t1	XP_002959926.1	hypothetical protein VOLCADRAFT_39527
g49157.t1	XP_002948979.1	hypothetical protein VOLCADRAFT_89403
g35655.t1	XP_002950957.1	hypothetical protein VOLCADRAFT_91473
g42534.t1	PF06140.8	Ifr-6-16
g11987.t1	PF13895.1	Ig_2
g27092.t1	NP_001117097.1	IGF binding protein 2
g4190.t1	XP_001921732.1	IgGfc-binding protein
g48544.t1	PF02372.10	IL15
cdna_aby_k51:1149493	AAZ43090.1	IL-15 protein
qifan_comp115428_c0_seq2	AAM52337.1	IL-6 subfamily cytokine M17
g48990.t1	NP_001165325.1	IL-6 subfamily member ciliary neurotrophic factor
g34967.t1	AAH90751.1	Im:6912380
g3987.t1	AAH90763.1	Im:7138629
qifan_comp219170_c0_seq1	XP_684838.2	im:7140055
g5910.t1	AAH92165.1	Im:7147241
g48052.t1	ADF56020.1	immunoglobulin delta heavy chain
g11604.t1	XP_004572593.1	immunoglobulin superfamily member 1
g28788.t1	XP_003199659.1	inactive ubiquitin carboxyl-terminal hydrolase 54

g13672.t1	PF04156.9	Inca
g34965.t1	NP_991199.1	INO80 complex subunit E
g9607.t1	XP_002166592.2	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
g38416.t1	XP_686458.2	inositol-trisphosphate 3-kinase B
g1594.t1	XP_001919854.1	integral membrane protein GPR155
g43533.t1	YP_004455090.1	integral membrane sensor signal transduction histidine kinase
g18254.t1	NP_001020335.1	inter-alpha-trypsin inhibitor heavy chain H4
g37235.t1	AAV97700.1	interferon 4
g35958.t1	NP_001187263.1	interferon gamma
g37320.t1	ACV41808.1	interferon gamma receptor 1-1
g38884.t1	NP_001155212.1	interferon phi 4
g2126.t1	NP_001187103.1	interferon-induced GTP-binding protein Mx1
g39506.t1	XP_003455952.1	interferon-induced protein 44
qifan_comp130471_c0_seq3	NP_001104307.1	interleukin 13 receptor, alpha 1
g35960.t1	NP_001018628.1	interleukin 22
g35959.t1	NP_001018635.1	interleukin 26
qifan_comp139105_c0_seq2	XP_005164266.1	interleukin 4 receptor, tandem duplicate 1
g13421.t1	CBL94873.1	interleukin 6 signal transducer GP130 protein
g10163.t1	XP_003454960.1	interleukin-1 receptor type 2
qifan_comp268761_c0_seq1	CAI61347.1	interleukin-11b
g18948.t1	XP_003454873.1	interleukin-12 subunit alpha
g4934.t1	XP_004565503.1	interleukin-17 receptor D
g21698.t1	BAI82584.1	interleukin-17N
g17127.t1	NP_001121739.1	interleukin-2 receptor subunit beta
alltrinity_comp182885_c0_se	ADB81777.1	interleukin-21
g7300.t1	NP_001107790.1	interleukin-6 receptor subunit alpha
g29127.t1	NP_976934.1	internalin
g38188.t1	EMC85559.1	Involucrin
g130.t1	XP_003445051.1	IQ motif and SEC7 domain-containing protein 3
g19161.t1	XP_002663229.2	izumo sperm-egg fusion protein 1
g29993.t1	XP_002666539.2	kalirin
g43923.t1	XP_002667685.2	kelch-like protein 29
g53337.t1	PF13885.1	Keratin B2
g17146.t1	XP_003435264.1	keratin-associated protein 16-1
ncbimrna_375790490	XP_005164234.1	keratin-associated protein 9-2
g24935.t1	NP_001038441.1	kinesin-like protein KIF14
g1526.t1	XP_003963986.1	kinesin-like protein KIF20B
g18767.t1	XP_003198769.1	kinetochore-associated protein 1
g48444.t1	NP_001006662.1	kinetochore-associated protein KNL-2
g14234.t1	XP_003437955.1	kinocilin
alltrinity_comp186238_c0_se	AHH83757.1	kisspeptin
g40402.t1	XP_003969410.1	krev interaction trapped protein 1
g12473.t1	AAL35359.2	lambda-recombinase-like protein
g56413.t1	XP_696560.3	la-related protein 1
g42375.t1	AFO67938.1	leptin
qifan_comp113104_c1_seq1	AGK24957.1	leptin B
g46961.t1	AFO67946.1	leptin receptor
g39608.t1	XP_004564019.1	leucine-rich repeat and calponin homology domain-containing protein 2
g27174.t1	Q8IC32	Leucine-rich repeat and coiled-coil domain-containing protein PF07_0014
g43709.t1	XP_003444274.1	leucine-rich repeat flightless-interacting protein 2
g7573.t1	XP_693173.5	leucine-rich repeat neuronal protein 4
g53937.t1	E7FE13	Leucine-rich repeat-containing G-protein coupled receptor 4
g26587.t1	XP_004079164.1	leucine-rich repeat-containing protein 16B
g12205.t1	ADO28035.1	leukocyte elastase inhibitor
g38845.t1	NP_001187136.1	leukocyte immune-type receptor 3
g12303.t1	ABI16036.1	leukocyte immune-type receptor TS32.15 L1.1a
g28347.t1	ABI23564.1	leukocyte immune-type receptor TS32.15 L2.1a
g46265.t1	ABI23565.1	leukocyte immune-type receptor TS32.15 L2.2a
g14995.t1	ABI23568.1	leukocyte immune-type receptor TS32.15 L2.3a
g11055.t1	ABI23571.1	leukocyte immune-type receptor TS32.15 L2.4a
g55129.t1	ABI23572.1	leukocyte immune-type receptor TS32.15 L2.4b
g58055.t1	ADG29142.1	lily-type lectin
g42990.t1	NP_571739.1	LIM domain and actin-binding protein 1
g47035.t1	NP_957492.1	lipoma-preferred partner
g1965.t1	NP_755826.1	lipopolysaccharide transport periplasmic protein LptA
alltrinity_comp205600_c0_se	XP_005169624.1	lisH domain-containing protein C1711.05
g22249.t1	ACT22567.1	liver stage antigen 3
g31469.t1	XP_002665881.1	liver-expressed antimicrobial peptide 2
g48967.t1	AAI42880.1	LOC795887 protein
g10413.t1	XP_003199120.1	low-density lipoprotein receptor
pac_pacbio_410283153_1/0	XP_003976043.1	low-density lipoprotein receptor-related protein 5
g47862.t1	EGW01332.1	LRR domain-containing protein PF14_0175
g12458.t1	AEE25644.1	LYamide/FDSIG neuropeptide
g18456.t1	XP_002662830.1	lymphocyte antigen 75
qifan_comp191272_c0_seq1	NP_001019992.1	lymphotoxin alpha
qifan_comp131070_c0_seq2	XP_005172677.1	lysine (K)-specific demethylase 6B, b
g5003.t1	XP_003962782.1	lysine-specific histone demethylase 1A
g47294.t1	NP_001155999.1	lysosomal protein transmembrane 5
g49283.t1	CAP58788.1	macrophage colony-stimulating factor-2

g24008.t1	XP_003438676.1	macrophage mannose receptor 1
g57759.t1	NP_001158857.1	Macrosialin
g55306.t1	XP_003459327.1	major histocompatibility complex class I-related gene protein
g47150.t1	YP_073671.1	major outer envelope glycoprotein
g19432.t1	NP_001188075.1	malate dehydrogenase
g3700.t1	XP_004008357.1	maltase-glucoamylase, intestinal
g43382.t1	AAX73256.1	mammalian-like melanopsin
g28791.t1	NP_001187193.1	mammal-like melanopsin 1
g7676.t1	PF05672.6	MAP7
yu_Contig803	NP_001133522.1	MAP7 domain-containing protein 1
g42536.t1	PF02063.12	MARCKS
g20240.t1	XP_004576282.1	mast/stem cell growth factor receptor kita
g52897.t1	XP_003450249.1	mastermind-like protein 2
g15185.t1	XP_002735800.1	matriptase
g10550.t1	NP_001187095.1	matrix Gla protein
g4873.t1	XP_003437895.1	matrix metalloproteinase-16
g25508.t1	NP_957350.1	max dimerization protein 3
qifan_comp281743_c0_seq1	XP_004539198.1	max-interacting protein 1
g28383.t1	AAI24167.1	Mbd1 protein
g694.t1	EDL12396.1	mCG125898
g18370.t1	EDL20200.1	mCG145728
g40659.t1	PF05669.7	Med31
g20886.t1	XP_004075231.1	mediator of RNA polymerase II transcription subunit 17
g35403.t1	CAL48577.1	melanin-concentrating hormone
g15042.t1	XP_004914852.1	melanoma inhibitory activity protein 3
g17718.t1	XP_004064471.1	melanoma-associated antigen E1
g38639.t1	NP_571650.1	membrane-associated phosphatidylinositol transfer protein 3
g44963.t1	NP_001025336.1	membrane-associated ring finger (C3HC4) 4
cdna_clc_473604	NP_001135372.1	Membrane-spanning 4-domains subfamily A member 12
qifan_comp110320_c0_seq4	XP_005160308.1	membrane-spanning 4-domains subfamily A member 15
g8326.t1	XP_001339114.2	membrane-spanning 4-domains subfamily A member 4A
g11327.t1	ACI68246.1	Membrane-spanning 4-domains subfamily A member 8A
g14394.t1	XP_004553025.1	meprin A subunit beta
g23729.t1	WP_007650802.1	Merozoite surface protein-9
g13053.t1	Q09165	Mesocentin
g14285.t1	Q72WV9	Methionine aminopeptidase 1
g16296.t1	AAD39868.1	MHC class II antigen
g41437.t1	EKD17700.1	microtubule associated protein
g31175.t1	XP_003700798.1	microtubule-actin cross-linking factor 1
g49356.t1	NP_001083770.1	microtubule-associated protein 4
g57053.t1	XP_684038.3	microtubule-associated tumor suppressor candidate 2
g2492.t1	WP_001450027.1	minor spike protein H
g28465.t1	XP_002734054.1	MIPOL1 protein
g48443.t1	XP_004540605.1	mis18-binding protein 1
g10536.t1	NP_001187459.1	mitochondrial coiled-coil-helix-coiled-coil-helix domain-containing protein 3
g17455.t1	NP_956178.1	mitochondrial fission regulator 1
g45885.t1	NP_001188137.1	mitochondrial NADH dehydrogenase (ubiquinone) flavoprotein 2
g39280.t1	AD028373.1	mitochondrial NADH dehydrogenase 1 beta subcomplex subunit 2
g31224.t1	XP_699710.2	mitochondrial sodium/hydrogen exchanger 9B2
g56956.t1	XP_002663531.2	mitogen-activated protein kinase kinase kinase 1
g36649.t1	AAH94996.1	Mix-type homeobox gene 2
g2849.t1	YP_006170129.1	Modulator of drug activity (mda66)
g26355.t1	XP_001507640.2	molybdopterin synthase sulfur carrier subunit
g10197.t1	XP_004685062.1	monocyte to macrophage differentiation factor
pac_pacbio_410689841_1/34	EMP27574.1	Mps one binder kinase activator-like 2A
g9704.t1	PF02349.10	MSG
g29511.t1	PF13984.1	MsyB
g9084.t1	XP_004950478.1	mucin-19
g17478.t1	XP_004919238.1	mucin-2
g38098.t1	XP_690904.4	mucin-5AC
g6016.t1	EFN89117.1	Muscle M-line assembly protein unc-89
g33641.t1	PF11037.3	Musclin
g52157.t1	PF13837.1	Myb_DNA-bind_4
alltrinity_comp197680_c0_se	XP_005170136.1	myelin basic protein
g20201.t1	XP_004551107.1	myelin-associated glycoprotein
g8534.t1	NP_571674.1	myeloid cell leukemia sequence 1a
qifan_comp116010_c0_seq1	XP_002666786.2	myosin heavy chain, cardiac muscle
alltrinity_comp197409_c0_se	XP_006797894.1	myosin light chain kinase 3
g55537.t1	XP_003961609.1	myosin phosphatase Rho-interacting protein
g11215.t1	XP_004589604.1	myosin-9
g33180.t1	XP_002667190.2	myosin-XVIIIb
g10880.t1	XP_004071758.1	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
g57294.t1	XP_001922286.3	NACHT, LRR and PYD domains-containing protein 1
g13951.t1	XP_001336197.4	NACHT, LRR and PYD domains-containing protein 12
g20253.t1	XP_682940.5	NACHT, LRR and PYD domains-containing protein 14
g22171.t1	XP_695332.4	NACHT, LRR and PYD domains-containing protein 3
g21670.t1	XP_004211719.1	NACHT, LRR and PYD domains-containing protein 6
g980.t1	XP_003456459.1	NACHT, LRR and PYD domains-containing protein 9
g34582.t1	CBN80989.1	N-acylethanolamine-hydrolyzing acid amidase

qifan_comp176263_c0_seq1	XP_005167665.1	NADH dehydrogenase
g31483.t1	XP_682740.4	nasal embryonic luteinizing hormone-releasing hormone factor
g35145.t1	NP_942095.2	natriuretic peptideA
g39069.t1	ADO27823.1	natterin
g17380.t1	XP_003449488.1	neoverrucotoxin subunit alpha
g24545.t1	NP_001035777.1	nephrin
g31860.t1	XP_001919922.1	nestin
g40622.t1	AAT02665.1	neural friend of GATA-A
g54933.t1	XP_004547602.1	neuron navigator 1
g24656.t1	XP_003455418.1	neuronal growth regulator 1
g47924.t1	XP_003965604.1	neuropeptide Y receptor type 1
g50354.t1	ABD83886.1	NOD3 protein
qifan_comp178381_c0_seq1	XP_706437.3	noncompact myelin-associated protein
qifan_comp129372_c0_seq2	BAC45234.1	novel immune type receptor
g22502.t1	NP_001187209.1	novel immune-type receptor 1
g21783.t1	NP_001187028.1	novel immune-type receptor 10
g26473.t1	NP_001187169.1	novel immune-type receptor 12a
g31237.t1	NP_001187171.1	novel immune-type receptor 14
g41981.t1	NP_001187173.1	novel immune-type receptor 15b
g41968.t1	NP_001187235.1	novel immune-type receptor 16
g13108.t1	AAL35554.1	novel immune-type receptor 3
g1225.t1	CAQ13828.1	novel protein
g34327.t1	CAQ14221.1	novel protein containing a WW domain and PDZ domains
g56892.t1	CAD43436.1	novel protein similar to human cystatin
g53560.t1	CAD60810.1	novel protein similar to human THO complex 2
g24330.t1	CAH68844.1	novel protein similar to lectins
g16552.t1	AAI21758.1	Npm4 protein
g30592.t1	NP_001188096.1	n-terminal acetyltransferase complex ard1 subunit-like protein A
g13965.t1	XP_004070172.1	N-terminal EF-hand calcium-binding protein 2
g3237.t1	XP_001923237.3	nuclear factor 7, ovary
g48725.t1	NP_001038624.1	nuclear factor of activated T-cells, cytoplasmic 1
g37302.t1	XP_002907932.1	nuclear pore complex protein, putative
g13514.t1	XP_003446350.1	nuclear receptor-binding protein
g35091.t1	XP_004084711.1	nucleolar complex protein 3
qifan_comp156356_c0_seq1	XP_005169626.1	nucleolar protein 58
g17211.t1	XP_687281.4	nucleolar protein 7
g22043.t1	XP_002664363.2	nucleolin 2
g9569.t1	XP_004539274.1	nucleosome-remodeling factor subunit BPTF
g17832.t1	PF12882.2	NUT_C
alltrinity_comp205119_c0_se	NP_001138715.1	odontogenic, ameloblast associated
g50169.t1	AEB77813.1	olfactory receptor family C subfamily 2 member 2
g7877.t1	PF13568.1	OMP_b-brl_2
g32723.t1	XP_725227.1	ookinete protein
g22847.t1	ABD75623.1	orf1ab polyprotein
pac_pacbio_411116759_1/53	BAE46428.1	ORF1-encoded protein
g29029.t1	NP_001077326.1	osteocalcin
g22933.t1	XP_004574810.1	otoancorin
g3328.t1	WP_001481316.1	outer membrane assembly complex, YaeT protein
alltrinity_comp168207_c0_se	XP_002661521.1	P2X purinoceptor 7
g24665.t1	ABW84004.1	p65 transcription factor
g24747.t1	XP_001919624.3	paired box protein Pax-3
g3360.t1	Q3YV06	Pantothenate kinase
g45118.t1	XP_004086996.1	partitioning defective 3
g25762.t1	NP_001007761.1	PDZK1 interacting protein 1
g15198.t1	PF00805.17	Pentapeptide
g1017.t1	PF13599.1	Pentapeptide_4
g3944.t1	XP_698798.2	pentatricopeptide repeat-containing protein 1, mitochondrial
g11064.t1	YP_001107629.1	PE-PGRS family protein
g56939.t1	XP_699436.4	peptidyl-glycine alpha-amidating monooxygenase A
g20306.t1	XP_004071285.1	perforin-1
g50138.t1	EMC87829.1	Periaxin
g53711.t1	NP_001161923.1	peritrophic matrix protein 1-C
blue_Contig79241.1_7555	XP_003199944.2	peroxisome proliferator-activated receptor gamma, coactivator 1 beta
g9543.t1	YP_007549235.1	Pertactin
g56967.t1	XP_001922171.1	PH and SEC7 domain-containing protein 3
g9469.t1	WP_007407267.1	phage portal protein
g4386.t1	WP_001755050.1	phage tail family protein
g36173.t1	XP_004564934.1	PHD finger protein 21B
qifan_comp180462_c0_seq1	NP_001038939.1	phorbol-12-myristate-13-acetate-induced protein 1
g42867.t1	XP_004559735.1	phosphatidate phosphatase PPAPDC1A
g49166.t1	XP_003452689.1	phosphatidylethanolamine-binding protein 4
g1238.t1	XP_004561498.1	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2A
g8510.t1	XP_004079981.1	phosphofurin acidic cluster sorting protein 1
g13065.t1	XP_004556435.1	phosphoinositide-interacting protein
qifan_comp67057_c0_seq1	ACN09856.1	Phospholemman
g20366.t1	XP_696991.4	phospholipase B1, membrane-associated
g5029.t1	NP_001265769.1	phospholipase C-beta 2
g26807.t1	NP_001134423.1	Phospholipid scramblase 2
g43198.t1	XP_004539327.1	phosphoribosyl pyrophosphate synthase-associated protein 1

g29687.t1	WP_018654549.1	phosphoribosylglycinamide synthetase
alltrinity_comp207497_c3_se	XP_003458741.1	placenta-specific protein 9
g40060.t1	XP_001342736.2	pleckstrin homology domain-containing family A member 8
g23869.t1	XP_004078502.1	pleckstrin homology-like domain family B member 3
g40062.t1	XP_003410187.1	plexin-A2
g30632.t1	XP_694914.3	plexin-B1
g44731.t1	XP_004553914.1	plexin-C1
g26973.t1	ABB20703.1	PlpE
g11332.t1	BAK19070.1	PL-toxin I
g6857.t1	PF05287.7	PMG
g15997.t1	CBN81175.1	Pol polyprotein
g38237.t1	XP_004076493.1	poliovirus receptor-related protein 1
g38426.t1	XP_004456967.1	poliovirus receptor-related protein 3
g1059.t1	BAC82606.1	pol-like protein
g34878.t1	XP_001096930.2	polyadenylate-binding protein 3
g30693.t1	XP_002163133.2	polycystic kidney disease 2-like 1
g11531.t1	XP_694060.5	polycystin-1
g14937.t1	XP_001846843.1	polyphosphate kinase 2 family
g9802.t1	YP_443922.1	polyprotein
g39396.t1	XP_002413518.1	polyprotein of retroviral origin, putative
g28424.t1	EGW14493.1	Polysialoglycoprotein
g9630.t1	XP_001889728.1	predicted protein
pac_pacbio_410237555_1/0	XP_001638309.1	predicted protein_2_n
g6891.t1	XP_002261014.1	pre-mRNA splicing factor
g30063.t1	P04560.1	Prepro-urotensin II-alpha
g56840.t1	NP_001117923.1	prion
g29834.t1	CAL64056.1	prion protein 2A PrP2A
g43287.t1	XP_004554613.1	probable G-protein coupled receptor 125
g1894.t1	XP_003199178.1	probable G-protein coupled receptor 133
g31542.t1	XP_003549090.1	probable leucine-rich repeat receptor-like protein kinase At1g35710
g47972.t1	XP_683670.3	probable palmitoyltransferase ZDHH8
g47619.t1	XP_001338502.1	probable S-acyltransferase At2g14255
g38045.t1	XP_002742236.1	probable serine/threonine-protein kinase clkA
qifan_comp137126_c0_seq3	O65809.1	Profilin-1
g1431.t1	XP_002665769.1	proline-rich membrane anchor 1
g53189.t1	XP_004568467.1	proline-rich nuclear receptor coactivator 1
g27019.t1	XP_004478809.1	proline-rich protein 2
g11597.t1	NP_001189471.1	pro-melanin concentrating hormone
g37955.t1	ABB71125.1	prominin
g4675.t1	NP_001130019.1	Prop-1-like homeobox protein
g23990.t1	NP_001159601.1	proprotein convertase subtilisin/kexin type 1 inhibitor
qifan_comp142832_c0_seq6	XP_003199359.2	prostate androgen-regulated mucin protein 1
g46354.t1	XP_706427.1	prostate stem cell antigen
g45622.t1	XP_003446516.1	protachykinin
g51653.t1	I6V1W0	Protein brambleberry
g32493.t1	XP_003973424.1	protein DD11 homolog 2
skin_comp67225_c1_seq8	XP_001922392.2	protein FAM104A
g29266.t1	XP_001922304.2	protein FAM107B
g11280.t1	XP_001343062.1	protein FAM134B
g22887.t1	XP_003199107.1	protein FAM150
g47603.t1	Q77297.2	Protein FAM172A
g9762.t1	XP_004540878.1	protein FAM179B
g20993.t1	XP_003440511.1	protein FAM180B
g5332.t1	XP_003961199.1	protein FAM53B
pac_pacbio_412105570_3/1C	XP_695158.3	protein FAM83F
g13785.t1	XP_003504247.1	protein IWS1
g10115.t1	Q1LVC2	Protein Jumonji
g14592.t1	XP_003460119.1	protein NLRC3
g9677.t1	XP_004565715.1	protein NLRC3
g22641.t1	XP_002259357.1	protein phosphatase
g12516.t1	NP_001002538.1	protein phosphatase 1 regulatory subunit 1C
g35880.t1	XP_001921217.3	protein piccolo
g11311.t1	XP_698471.1	protein S100-A1
qifan_comp217313_c0_seq1	XP_002666273.2	protein shisa-5
225_ccaa	AHH42861.1	Protein starmaker
g44010.t1	NP_001245157.1	protein TALPID3
g6472.t1	XP_002661201.2	protein TANC2
g38066.t1	EDL21787.1	protein tyrosine phosphatase, receptor type, B,
g15641.t1	AAI63485.1	Protein tyrosine phosphatase, receptor type, N polypeptide 2
g8084.t1	XP_003198663.1	protein unc-13 homolog A
g4289.t1	NP_997823.1	protocadherin 1 gamma 22
g23042.t1	XP_003199427.1	proto-oncogene serine/threonine-protein kinase pim-1
g3754.t1	XP_678204.1	p-type ATPase
qifan_comp183223_c0_seq1	XP_006594943.1	putative aryl-alcohol dehydrogenase C750.01
g22650.t1	NP_001123984.1	putative ATP-dependent RNA helicase TDRD9
g32396.t1	EMT14885.1	Putative disease resistance protein RGA1
g22619.t1	EGW14311.1	Putative DNA repair and recombination protein RAD26
g26061.t1	AAL35358.1	putative GAG protein
g40322.t1	AGL94530.1	putative general transcription factor II-I repeat domain containing protein 2-like protein

g8091.t1	WP_005630155.1	putative hep/Hag
g51082.t1	XP_002936671.2	putative leucine-rich repeat-containing protein DDB_G0290503
g18463.t1	EFN65029.1	Putative leucine-rich repeat-containing protein DDB0188916
g37387.t1	XP_003442860.1	putative nuclease HARB11
pac_pacbio_410136248_1/3E	AAAD19347.1	putative nucleic acid binding protein
XY_XY_ctg488300	CLB94163.1	putative RNA-directed DNA polymerase
g28036.t1	YP_005239674.1	putative surface-exposed virulence protein
alltrinity_comp194731_c0_se	XP_005155340.1	putative uncharacterized protein DDB_G0271982
g31333.t1	XP_004920910.1	putative uncharacterized protein ENSP00000383309
g56743.t1	XP_004066107.1	pyrin
g3398.t1	PF02749.11	QRPTase_N
g49715.t1	XP_004925026.1	R3H domain-containing protein 2
g48646.t1	XP_004541575.1	rap guanine nucleotide exchange factor 5
g55811.t1	XP_004084828.1	rap guanine nucleotide exchange factor-like 1
g11328.t1	NP_001017910.1	rapunzel 4
g11329.t1	NP_001103594.1	rapunzel 5
qifan_comp115770_c0_seq1	ACM17390.1	rapunzel5
g26589.t1	NP_001116518.1	RAS (RAD and GEM)-like GTP binding 2
g29233.t1	XP_004545131.1	ras association domain-containing protein 5
g7107.t1	XP_003200549.1	ras GTPase-activating protein SynGAP
g23692.t1	NP_001122139.1	receptor-type tyrosine-protein phosphatase N2
g37982.t1	XP_004554672.1	regulating synaptic membrane exocytosis protein 1
g1165.t1	NP_958461.1	regulator of G-protein signaling 14a
g57929.t1	AGF85532.1	repeat protein
g9262.t1	ELW64485.1	Replicase polyprotein 1a
g90.t1	DAA01285.1	replicase/helicase/endonuclease
g1345.t1	WP_001453088.1	replication-associated protein A
g16208.t1	XP_003972313.1	reticulon-3
g43014.t1	AEU04705.1	retinoic acid receptor gamma
g26575.t1	XP_002739124.1	RETRotransposon family member (retr-1)
g19175.t1	EGV91812.1	Retrotransposon gag domain-containing protein 1
g22458.t1	XP_003452401.1	rho GTPase-activating protein SYDE2
g54320.t1	NP_001027010.1	rho guanine nucleotide exchange factor 11
g5713.t1	XP_004543908.1	rho guanine nucleotide exchange factor 17
g193.t1	XP_688428.4	rho guanine nucleotide exchange factor 28
g15048.t1	XP_687624.2	rho guanine nucleotide exchange factor 33
g4447.t1	XP_001346157.4	ribonuclease inhibitor
g51128.t1	NP_001076495.1	ribosomal protein S6 kinase alpha-3
g16919.t1	EPQ15882.1	Ribosome-binding protein 1
g29023.t1	XP_004567964.1	RNA binding protein fox-1 homolog 2
g36797.t1	XP_004571509.1	RNA binding protein fox-1 homolog 3
g50372.t1	WP_003961220.1	RNA helicase
g35468.t1	YP_001798129.1	RNA polymerase sigma-70 subunit RpoD
skin_comp61487_c0_seq1	XP_006630284.1	RNA pseudouridylylase synthase domain-containing protein 4
alltrinity_comp197023_c0_se	XP_006641311.1	RNA-binding Raly protein
g54919.t1	XP_003729652.1	RNA-directed DNA polymerase from mobile element jockey
g51583.t1	PF00929.19	RNase_T
g48238.t1	XP_004571181.1	rootletin
g42641.t1	NP_571679.2	runt-related transcription factor 3
g52285.t1	PF00078.22	RVT_1
g51369.t1	XP_003454106.1	ryanodine receptor 2
g12669.t1	EKC38567.1	Salivary glue protein Sgs-4
g48857.t1	P04927.1	S-antigen protein
qifan_comp141770_c0_seq1	XP_001922616.3	saxitoxin and tetrodotoxin-binding protein 2
g25183.t1	AAI54831.1	Sb:cb1022 protein
g250.t1	PF02023.12	SCAN
g47894.t1	BAM19359.1	scarface
g24553.t1	PF01390.15	SEA
g21902.t1	NP_001120804.1	secreted immunoglobulin domain 1
g26097.t1	NP_001121826.1	secretogranin-1
g20508.t1	XP_003198264.1	secretory phospholipase A2 receptor
qifan_comp232682_c0_seq1	NP_001177311.1	selenoprotein L
g14363.t1	NP_001121718.1	semaphorin-4C
g2742.t1	XP_004552759.1	semaphorin-6B
g23966.t1	XP_004067570.1	semaphorin-7A
g50818.t1	XP_004564406.1	serine/arginine repetitive matrix protein 1
g15414.t1	POCB65	Serine/arginine repetitive matrix protein 4
g15204.t1	NP_001071039.2	serine/threonine kinase 36 (fused homolog, Drosophila)
g11066.t1	XP_003200788.1	serine/threonine-protein kinase 12
g13889.t1	XP_003200261.1	serine/threonine-protein kinase pim-2
g15189.t1	XP_003968276.1	serine/threonine-protein kinase SIK3
g33035.t1	EGW04111.1	Serine/threonine-protein kinase ULK4
g48678.t1	XP_003200555.1	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A
g19745.t1	XP_004564390.1	serine-rich adhesin for platelets
g21803.t1	XP_001345005.1	serine-rich and transmembrane domain-containing protein 1
g12101.t1	XP_001332433.4	sex comb on midleg protein 4
g17279.t1	NP_004562495.1	SH3 and multiple ankyrin repeat domains protein 1
g43353.t1	NP_945332.2	shadow of prion protein
qifan_comp145793_c0_seq5	XP_005163520.1	si:ch211-106h4.12

qifan_comp255491_c0_seq1	XP_003200891.1	si:ch211-191j22.3
qifan_comp237002_c0_seq1	XP_003199409.1	si:ch211-222e20.4
alltrinity_comp207989_c1_se	XP_003197657.2	si:ch211-235f1.3
alltrinity_comp207474_c0_se	XP_005160672.1	si:ch211-51a19.5
qifan_comp172105_c0_seq1	XP_001344229.4	si:ch73-27e22.2
qifan_comp143879_c0_seq1	AAI55834.1	Si:dkey-10p5.7
qifan_comp134939_c1_seq5	XP_005162665.1	si:dkey-12l12.1
qifan_comp146311_c0_seq2	XP_002662647.3	si:dkey-162h11.3
qifan_comp192533_c0_seq1	XP_005162802.1	si:dkey-225k4.1
alltrinity_comp155861_c0_se	XP_005171983.1	si:dkey-229d2.7
qifan_comp90737_c0_seq1	XP_005160127.1	si:dkey-22i16.3
yu_Contig18625	XP_001339746.3	si:dkey-250k15.4
alltrinity_comp208113_c3_se	XP_005157838.1	si:dkey-262k9.4
qifan_comp270006_c0_seq1	XP_005161868.1	si:dkey-286j15.1
qifan_comp234014_c0_seq1	AAI07637.1	Si:dkey-67c22.2 protein
qifan_comp141671_c1_seq1	AAI33988.1	Si:dkey-86e18.1 protein
ncbimma_375768756	XP_700595.3	si:dkey-9i23.6
qifan_comp261313_c0_seq1	XP_683308.2	sialic acid-binding Ig-like lectin 6
g20054.t1	XP_003201130.1	sialoadhesin
g32808.t1	XP_698593.4	sickle tail protein
g15950.t1	AAH60933.1	Signal transduction and activation of transcription 1a
g31380.t1	P41809	Signaling mucin HKR1
g13835.t1	XP_001809044.1	similar to CG11318 CG11318-PA
g12435.t1	AAI62065.1	Similar to Pax-family transcription factor 6.2
g4854.t1	ACX54275.1	single-stranded DNA-binding protein 1a
g14331.t1	AAAX28387.2	SJCHGC01615 protein
pac_pacbio_409952053_1/5	AAAX26836.2	SJCHGC03019 protein
g56366.t1	AAAX30342.1	SJCHGC03036 protein
g24434.t1	AAW24907.1	SJCHGC06398 protein
g2459.t1	AAAX28135.2	SJCHGC07585 protein
qifan_comp275485_c0_seq1	AAAX30961.2	SJCHGC09650 protein
g4607.t1	XP_002666547.1	small cell adhesion glycoprotein
g18345.t1	XP_696782.5	small conductance calcium-activated potassium channel protein 3
g50077.t1	XP_004084549.1	sodium channel protein type 4 subunit alpha B
g3921.t1	XP_696586.3	solute carrier family 44 member 2
g30041.t1	NP_001122256.1	somatostatin 6
g10967.t1	XP_003200394.1	SPARC protein 1
g20541.t1	XP_004074008.1	sperm-associated antigen 1
g25534.t1	XP_004563319.1	spermatogenesis-associated protein 13
g29468.t1	AEC33233.1	spermatogenesis-associated protein 17
g37723.t1	EMC82053.1	Splicing factor 3A subunit 2
g10119.t1	YP_002369530.1	spore germination protein gerIA
189_ccaa	ABC75548.1	Spp1
g15066.t1	XP_002370056.1	SRS domain-containing protein
g57413.t1	PF04503.8	SSDP
g33569.t1	NP_999950.1	ST3 beta-galactoside alpha-2,3-sialyltransferase 3b
g54492.t1	XP_004560657.1	stAR-related lipid transfer protein 13
g15561.t1	EMS57593.1	Stellacyanin
g33834.t1	NP_001232891.1	strawberry notch homolog 2a
g53340.t1	EGW14341.1	Stress protein DDR48
g29808.t1	NP_001189470.1	stromal interaction molecule 1b
g46264.t1	Q802R9	Structural maintenance of chromosomes protein 5
g4468.t1	WP_001493922.1	surA N-terminal domain protein
g3422.t1	WP_001555726.1	surface-exposed virulence protein BigA
g33506.t1	EKC42844.1	Sushi, nidogen and EGF domain-containing protein 1
g1399.t1	XP_001338522.1	synapse differentiation-inducing gene protein 1
g43048.t1	XP_691385.2	synaptotagmin-6
g24896.t1	NP_001187727.1	syndecan-2-b
g6756.t1	Q55QE2	Syntaxin-binding protein 5
g40330.t1	AER30050.1	T cell receptor gamma 2
g29979.t1	DAA35153.1	tachykinin 3
pac_pacbio_409902838_1/5	NP_001094099.1	taste receptor, type 2, member 202
g14676.t1	XP_691101.1	TBC1 domain family member 10A
g54605.t1	XP_002660513.1	T-cell ecto-ADP-ribosyltransferase 1
g215.t1	ABD93353.1	T-cell receptor gamma TS32.17
cdna_aby_k93:245501	XP_005168366.1	T-cell surface antigen CD2
g33685.t1	NP_001112371.1	teleost multiple tissue opsin a
g29017.t1	XP_003976183.1	telomerase protein component 1
g34751.t1	XP_004541587.1	tenascin
g7378.t1	NP_571043.1	teneurin-3
g19828.t1	XP_692960.1	testis development-related protein
g233.t1	PF00335.15	Tetraspannin
g5701.t1	XP_004392691.1	tetratricopeptide repeat protein 16
g3424.t1	NP_775392.2	tetratricopeptide repeat protein 27
g19456.t1	XP_688725.2	THAP domain-containing protein 2
g53556.t1	AAH93105.1	Thoc2 protein
g14191.t1	NP_001137225.1	thrombopoietin
g46884.t1	BAL42515.1	thrombopoietin-receptor
g38235.t1	XP_695354.2	thy-1 membrane glycoprotein

g31020.t1	AEL30371.1	TIR-NBS-LRR type disease resistance protein
g7616.t1	NP_001117830.1	tissue factor
g25093.t1	XP_001923800.1	titin
g40536.t1	XP_001340554.4	T-lymphocyte surface antigen Ly-9
g36919.t1	PF00229.13	TNF
g53524.t1	XP_001344126.2	TNFAIP3-interacting protein 1
g22210.t1	ADN37682.1	TNXB
g7205.t1	XP_003453304.1	tonsoku protein
cdna_yet_k79:5544	NP_001117782.1	toxin-1
g25291.t1	XP_003458132.1	transcription factor Adf-1
g56447.t1	XP_003200395.1	transcription factor E2F2
g30194.t1	XP_003447721.1	transcription factor HES-5
g3771.t1	XP_001351353.1	transcription factor with AP2 domain(s), putative
g34654.t1	XP_002664967.1	transcription intermediary factor 1-beta
g53092.t1	XP_003445165.1	transcriptional protein SWT1
g3667.t1	WP_020235084.1	transcriptional regulator
g22449.t1	XP_001341061.1	transcriptional regulator ATRX
g50413.t1	XP_004562990.1	transforming growth factor beta receptor type 3
g16091.t1	WP_014652760.1	translation initiation factor IF-2
qifan_comp173417_c0_seq1	XP_002666209.2	transmembrane and immunoglobulin domain-containing protein 1
g42139.t1	XP_003199940.1	transmembrane protein 109
g25062.t1	XP_687955.1	transmembrane protein 119
g38313.t1	XP_004538305.1	transmembrane protein 132C
g43487.t1	XP_001341924.1	transmembrane protein 132D
alltrinity_comp196143_c0_se	XP_005170961.1	transmembrane protein 154
g25813.t1	XP_003201087.1	transmembrane protein 221
g26555.t1	XP_003968106.1	transmembrane protein 236
g5383.t1	XP_004549054.1	transmembrane protein 42
g14377.t1	PF02994.9	Transposase_22
g9540.t1	XP_003200431.1	transposon TX1 uncharacterized 149 kDa protein
g2171.t1	XP_003201494.1	transposon TX1 uncharacterized 82 kDa protein
g13314.t1	ACI14300.1	TREP
g40193.t1	XP_706869.1	trichohyalin
g4001.t1	NP_956172.1	tripartite motif containing 35-27
g14237.t1	XP_003198208.1	tripartite motif-containing protein 16
g3348.t1	XP_004559591.1	tripartite motif-containing protein 35
g42155.t1	XP_003458507.1	tripartite motif-containing protein 47
g51110.t1	XP_003458184.1	tripartite motif-containing protein 55
g29892.t1	YP_896086.1	triple helix repeat-containing collagen
g12869.t1	XP_001337104.1	tropomyosin-2
alltrinity_comp194932_c3_se	NP_001122290.1	tumor necrosis factor (ligand) superfamily, member 18
g52538.t1	XP_694193.4	tumor necrosis factor alpha-induced protein 2
g2499.t1	WP_001389643.1	type III restriction endonuclease subunit R
g265.t1	XP_002125026.2	tyrosine-protein kinase BAZ1B
g36226.t1	XP_002661394.2	U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 1
g40840.t1	NP_001122257.1	ubiquitin
g4174.t1	F1QF59.1	Ubiquitin carboxyl-terminal hydrolase 13
g4513.t1	PF00443.24	UCH
g47392.t1	PF02809.15	UIM
g38599.t1	AAI29252.1	Unc-119 homolog 2
g2723.t1	P58151	Uncharacterized 51.9 kDa protein in rps4-rps11 intergenic region
qifan_comp131384_c0_seq5	XP_001341444.4	uncharacterized LOC100001452
skin_comp69102_c2_seq7	XP_001344406.2	uncharacterized LOC100005318
qifan_comp4547_c0_seq2	XP_001346356.5	uncharacterized LOC100008039
alltrinity_comp98724_c0_seq	XP_001921235.2	uncharacterized LOC100148190
yu_k64:1538490	XP_002666317.2	uncharacterized LOC100331776
pac_pacbio_411174210_1/2/3	XP_003199266.2	uncharacterized LOC100534830
pac_pacbio_409718463_1/1	XP_003201724.1	uncharacterized LOC100536418
pac_pacbio_410564336_1/14	XP_003198842.1	uncharacterized LOC100537199
cdna_CK419724.1	XP_003199520.2	uncharacterized LOC100537499
yu_Contig14868	XP_005156308.1	uncharacterized LOC100538148
pac_pacbio_410032321_1/3	XP_005157413.1	uncharacterized LOC101882356
qifan_comp139059_c0_seq1	XP_005159556.1	uncharacterized LOC101882364
qifan_comp103549_c0_seq1	XP_005166824.1	uncharacterized LOC101883860
qifan_comp260243_c0_seq1	XP_005173993.1	uncharacterized LOC101884052
pac_pacbio_409754118_2/1/3	XP_005163381.1	uncharacterized LOC101884547
blue_Contig53338_1_13554	XP_005171068.1	uncharacterized LOC101884727
pac_pacbio_411702949_2/1/8	XP_005169548.1	uncharacterized LOC101885524
454_FWM5MQA02FJOB	XP_005160982.1	uncharacterized LOC101885928
XY_XY_ctg102682	XP_005159550.1	uncharacterized LOC101886676
qifan_comp288745_c0_seq1	XP_692673.4	uncharacterized LOC564237
qifan_comp206803_c0_seq1	XP_005160136.1	uncharacterized LOC565594
qifan_comp14514_c0_seq1	XP_005161676.1	uncharacterized LOC797977
g14302.t1	CBN80644.1	Uncharacterized protein
pac_pacbio_41177655_2/12	XP_001892369.1	Uncharacterized protein C03B1.10
g22984.t1	NP_001073494.1	uncharacterized protein C11orf53
g54097.t1	XP_003455447.1	uncharacterized protein C11orf96
g11458.t1	XP_004540872.1	uncharacterized protein C15orf52
g29057.t1	NP_001187951.1	uncharacterized protein c16orf45

g50135.t1	NP_001018495.1	uncharacterized protein C1orf112
g1769.t1	XP_001341083.1	uncharacterized protein C1orf228
454_FWM5MQA02JX9EO	NP_001188116.1	uncharacterized protein c1orf43
qifan_comp137831_c0_seq6	XP_005167243.1	uncharacterized protein C2orf15
g4634.t1	ADO27960.1	uncharacterized protein c3orf26
skin_comp59769_c0_seq1	XP_005448534.1	uncharacterized protein C6orf226
g35856.t1	XP_693701.3	uncharacterized protein C7orf58
g39411.t1	XP_003449693.1	uncharacterized protein DDB_G0271670
g33673.t1	XP_691812.1	uncharacterized protein DKFzp76211415
g52823.t1	XP_001344930.1	uncharacterized protein DKFzp781G0119
g45601.t1	XP_002931684.2	uncharacterized protein F54H12.2
g33058.t1	XP_003730394.1	uncharacterized protein K02A2.6
g2493.t1	XP_003438639.1	uncharacterized protein KIAA0556
g41817.t1	XP_001336486.1	uncharacterized protein LOC100000098
g6002.t1	NP_001082917.1	uncharacterized protein LOC100000104
g9636.t1	NP_001091661.1	uncharacterized protein LOC100000539
ncbimma_375941092	NP_001076411.1	uncharacterized protein LOC100001008
g44956.t1	XP_001341146.1	uncharacterized protein LOC100001066
qifan_comp140766_c0_seq4	XP_001341792.1	uncharacterized protein LOC100001877
g37352.t1	NP_001091730.1	uncharacterized protein LOC100002334
g9005.t1	NP_001104709.1	uncharacterized protein LOC100002393
g23833.t1	NP_001091731.1	uncharacterized protein LOC100002730
g12149.t1	XP_001342555.1	uncharacterized protein LOC100002885
qifan_comp269764_c0_seq1	XP_005161697.1	uncharacterized protein LOC100003040
g18406.t1	XP_001343562.1	uncharacterized protein LOC100004199
cdna_aby_k53:1080194	XP_002663378.2	uncharacterized protein LOC100004440
g21313.t1	XP_001923759.3	uncharacterized protein LOC100004978
g30585.t1	XP_001344448.1	uncharacterized protein LOC100005368
g34798.t1	XP_001338096.1	uncharacterized protein LOC100005580
alltrinity_comp161874_c0_se	XP_001344672.4	uncharacterized protein LOC100005689
qifan_comp170100_c0_seq1	XP_005159448.1	uncharacterized protein LOC100006143
qifan_comp118731_c1_seq1	XP_005172387.1	uncharacterized protein LOC100006302
alltrinity_comp201920_c3_se	XP_001345297.1	uncharacterized protein LOC100006601
qifan_comp136584_c0_seq4	XP_001345466.4	uncharacterized protein LOC100006831
qifan_comp219714_c0_seq1	XP_001345491.5	uncharacterized protein LOC100006875
qifan_comp232627_c0_seq1	XP_005159450.1	uncharacterized protein LOC100034474
g46633.t1	NP_001092235.1	uncharacterized protein LOC100073328
g33873.t1	NP_001096105.1	uncharacterized protein LOC100124608
g48686.t1	NP_001096107.1	uncharacterized protein LOC100124611
qifan_comp141121_c0_seq3	NP_001107480.1	uncharacterized protein LOC100135331
g24561.t1	NP_001108049.1	uncharacterized protein LOC100136858
g33297.t1	NP_001108051.1	uncharacterized protein LOC100136860
qifan_comp188696_c0_seq1	NP_001108579.1	uncharacterized protein LOC100141491
g23852.t1	XP_001920389.1	uncharacterized protein LOC100148665
qifan_comp71948_c0_seq1	XP_003200380.1	uncharacterized protein LOC100148757
g48784.t1	XP_001921495.3	uncharacterized protein LOC100148952
g10275.t1	NP_001139104.1	uncharacterized protein LOC100149185
g21739.t1	XP_001923387.1	uncharacterized protein LOC100150242
qifan_comp128718_c0_seq1	XP_002666239.3	uncharacterized protein LOC100151078
g32734.t1	NP_001243612.1	uncharacterized protein LOC100151273
g37202.t1	XP_001923482.1	uncharacterized protein LOC100151365
g25934.t1	XP_001919935.1	uncharacterized protein LOC100151460
qifan_comp217531_c0_seq1	NP_001124116.1	uncharacterized protein LOC100170809
g53611.t1	NP_001124134.1	uncharacterized protein LOC100170828
g31276.t1	XP_002122794.1	uncharacterized protein LOC100177658
g32138.t1	XP_002123454.1	uncharacterized protein LOC100181721
g27945.t1	NP_001128617.1	uncharacterized protein LOC100189619
blue_Contig18746.1_4689	NP_001129728.1	uncharacterized protein LOC100192222
g10397.t1	XP_002168646.2	uncharacterized protein LOC100205358
g26016.t1	XP_003200741.1	uncharacterized protein LOC100270729
g42825.t1	XP_002664121.1	uncharacterized protein LOC100321084
g47314.t1	XP_002662443.1	uncharacterized protein LOC100321644
qifan_comp171892_c0_seq1	NP_001164414.1	uncharacterized protein LOC100327252
qifan_comp136584_c0_seq6	XP_002667608.3	uncharacterized protein LOC100329818
g28191.t1	XP_002663158.1	uncharacterized protein LOC100330250
g45925.t1	XP_002667904.1	uncharacterized protein LOC100330755
skin_comp67029_c0_seq1	XP_002666669.1	uncharacterized protein LOC100331646
g49175.t1	XP_002665776.1	uncharacterized protein LOC100332023
g8513.t1	XP_002661139.2	uncharacterized protein LOC100333416
g35475.t1	XP_002662100.2	uncharacterized protein LOC100333943
cdna_FD373143.1	XP_002663814.3	uncharacterized protein LOC100334068
qifan_comp117409_c0_seq1	XP_002664710.1	uncharacterized protein LOC100334151
g45653.t1	NP_001258702.1	uncharacterized protein LOC100334410
g37073.t1	NP_001265740.1	uncharacterized protein LOC100334658
g1173.t1	XP_002660711.1	uncharacterized protein LOC100334929
g24650.t1	XP_002662532.1	uncharacterized protein LOC100334940
pac_pacbio_411408102_1/63	XP_006811263.1	uncharacterized protein LOC100376500
g6909.t1	XP_002940580.2	uncharacterized protein LOC100379885
g35417.t1	XP_002942021.2	uncharacterized protein LOC100485040

cdna_aby_k47:90104	XP_002936147.2	uncharacterized protein LOC100486038
g2235.t1	XP_004918166.1	uncharacterized protein LOC100492299
alltrinity_comp83866_c0_seq	XP_004912147.1	uncharacterized protein LOC100492546
g35679.t1	XP_002938463.2	uncharacterized protein LOC100493126
g17900.t1	XP_002933478.1	uncharacterized protein LOC100497254
g34964.t1	XP_003200192.1	uncharacterized protein LOC100534794
qifan_comp158163_c0_seq1	XP_003200289.2	uncharacterized protein LOC100535673
cdna_FD063081.1	XP_003199150.2	uncharacterized protein LOC100535806
skin_comp78838_c0_seq1	XP_005156659.1	uncharacterized protein LOC100535981
g51279.t1	XP_003201376.1	uncharacterized protein LOC100536977
alltrinity_comp200908_c1_se	XP_003198385.2	uncharacterized protein LOC100537439
g40535.t1	XP_003200321.1	uncharacterized protein LOC100537502
alltrinity_comp191814_c2_se	XP_003199279.2	uncharacterized protein LOC100537744
qifan_comp141850_c0_seq1	XP_003201025.2	uncharacterized protein LOC100537969
qifan_comp134181_c0_seq2	XP_003200464.1	uncharacterized protein LOC100538302
g31034.t1	XP_003200464.1	uncharacterized protein LOC100538302
g12738.t1	XP_003259093.1	uncharacterized protein LOC100594901
qifan_comp151632_c0_seq1	XP_005465712.1	uncharacterized protein LOC100692678
qifan_comp144118_c0_seq4	XP_005452012.1	uncharacterized protein LOC100698576
qifan_comp151014_c1_seq1	XP_005478722.1	uncharacterized protein LOC100699558
g40404.t1	XP_003452510.1	uncharacterized protein LOC100701575
g16371.t1	XP_003455299.1	uncharacterized protein LOC100704554
pac_pacbio_410509076_1/0	XP_005460648.1	uncharacterized protein LOC100707485
g47101.t1	XP_003444311.1	uncharacterized protein LOC100711646
g31221.t1	XP_003451285.1	uncharacterized protein LOC100712215
g24198.t1	XP_003704003.1	uncharacterized protein LOC100877061
g33961.t1	XP_003729622.1	uncharacterized protein LOC100888825
g9980.t1	XP_003723939.1	uncharacterized protein LOC100888865
g46145.t1	XP_003725312.1	uncharacterized protein LOC100889275
g20331.t1	XP_003730216.1	uncharacterized protein LOC100889615
g10498.t1	XP_003723665.1	uncharacterized protein LOC100889694
g40992.t1	XP_003768334.1	uncharacterized protein LOC100921260
g49251.t1	XP_003766873.1	uncharacterized protein LOC100926653
g19707.t1	XP_003965524.1	uncharacterized protein LOC101061263
g50071.t1	XP_003975885.1	uncharacterized protein LOC101066390
g14779.t1	XP_003978935.1	uncharacterized protein LOC101069026
g10684.t1	XP_003964992.1	uncharacterized protein LOC101069597
g11330.t1	XP_003965734.1	uncharacterized protein LOC101075965
g53927.t1	XP_003966923.1	uncharacterized protein LOC101076575
g37637.t1	XP_003969549.1	uncharacterized protein LOC101077115
g39604.t1	XP_003979048.1	uncharacterized protein LOC101080246
g4575.t1	XP_004078966.1	uncharacterized protein LOC101154980
g11457.t1	XP_004082662.1	uncharacterized protein LOC101154992
g56113.t1	XP_004067849.1	uncharacterized protein LOC101156397
g7988.t1	XP_004066138.1	uncharacterized protein LOC101156712
454_F04D78S03FUJU9	XP_004071781.1	uncharacterized protein LOC101156898
g10080.t1	XP_004084503.1	uncharacterized protein LOC101156939
g17610.t1	XP_004086095.1	uncharacterized protein LOC101157037
g49570.t1	XP_004082982.1	uncharacterized protein LOC101157745
g39224.t1	XP_004068800.1	uncharacterized protein LOC101159093
qifan_comp266592_c0_seq1	XP_004068488.1	uncharacterized protein LOC101160894
g10937.t1	XP_004080155.1	uncharacterized protein LOC101161343
g40406.t1	XP_004084962.1	uncharacterized protein LOC101161776
g2423.t1	XP_004066161.1	uncharacterized protein LOC101162344
g2520.t1	XP_004085041.1	uncharacterized protein LOC101163544
g12867.t1	XP_004084042.1	uncharacterized protein LOC101164525
g15217.t1	XP_004081905.1	uncharacterized protein LOC101165853
qifan_comp152535_c0_seq1	XP_004079942.1	uncharacterized protein LOC101166008
g56159.t1	XP_004068268.1	uncharacterized protein LOC101166214
g55617.t1	XP_004071892.1	uncharacterized protein LOC101166720
g41003.t1	XP_004084534.1	uncharacterized protein LOC101167763
alltrinity_comp195567_c0_se	XP_004070025.1	uncharacterized protein LOC101168115
g21956.t1	XP_004077302.1	uncharacterized protein LOC101169137
g22624.t1	XP_004087031.1	uncharacterized protein LOC101169431
pac_pacbio_410820401_1/4	XP_004077468.1	uncharacterized protein LOC101169968
g24732.t1	XP_004073012.1	uncharacterized protein LOC101170193
g19556.t1	XP_004067821.1	uncharacterized protein LOC101170263
g35078.t1	XP_004070830.1	uncharacterized protein LOC101170430
g23326.t1	XP_004080834.1	uncharacterized protein LOC101170626
g43159.t1	XP_004085782.1	uncharacterized protein LOC101170903
g18108.t1	XP_004077618.1	uncharacterized protein LOC101171356
g16657.t1	XP_004073017.1	uncharacterized protein LOC101171419
g22166.t1	XP_004074928.1	uncharacterized protein LOC101171598
g39544.t1	XP_004067596.1	uncharacterized protein LOC101171734
g54688.t1	XP_004080040.1	uncharacterized protein LOC101171781
g37319.t1	XP_004065664.1	uncharacterized protein LOC101173036
g9026.t1	XP_004083598.1	uncharacterized protein LOC101174066
g57510.t1	XP_004079033.1	uncharacterized protein LOC101174375
g32.t1	XP_004085732.1	uncharacterized protein LOC101174564

g20717.t1	XP_004071706.1	uncharacterized protein LOC101174749
g33427.t1	XP_004084352.1	uncharacterized protein LOC101174798
g14216.t1	XP_004084748.1	uncharacterized protein LOC101174883
g12477.t1	XP_004086619.1	uncharacterized protein LOC101175139
g41847.t1	XP_004210951.1	uncharacterized protein LOC101239087
g28123.t1	XP_004212307.1	uncharacterized protein LOC101239867
g57938.t1	XP_004479893.1	uncharacterized protein LOC101434616
g31240.t1	XP_004571178.1	uncharacterized protein LOC101464296
g54384.t1	XP_004574895.1	uncharacterized protein LOC101464885
g11674.t1	XP_004572435.1	uncharacterized protein LOC101465255
g19840.t1	XP_004567057.1	uncharacterized protein LOC101466202
g10606.t1	XP_004576347.1	uncharacterized protein LOC101466341
g32317.t1	XP_004547627.1	uncharacterized protein LOC101466960
g6275.t1	XP_004576230.1	uncharacterized protein LOC101467592
g11490.t1	XP_004569251.1	uncharacterized protein LOC101468277
g16107.t1	XP_004576292.1	uncharacterized protein LOC101468398
alltrinity_comp195567_c0_se	XP_004549109.1	uncharacterized protein LOC101468782
g22535.t1	XP_004576354.1	uncharacterized protein LOC101468882
g421.t1	XP_004556288.1	uncharacterized protein LOC101469486
g57589.t1	XP_004551941.1	uncharacterized protein LOC101470812
g21246.t1	XP_004561254.1	uncharacterized protein LOC101470938
g48991.t1	XP_004554542.1	uncharacterized protein LOC101471575
g11331.t1	XP_004568641.1	uncharacterized protein LOC101471826
g50090.t1	XP_004553623.1	uncharacterized protein LOC101472740
g23359.t1	XP_004553790.1	uncharacterized protein LOC101472741
g31802.t1	XP_004556396.1	uncharacterized protein LOC101472750
g18068.t1	XP_004568649.1	uncharacterized protein LOC101474086
alltrinity_comp200229_c0_se	XP_004556483.1	uncharacterized protein LOC101474317
g28450.t1	XP_004558590.1	uncharacterized protein LOC101474599
g44075.t1	XP_004540670.1	uncharacterized protein LOC101474620
g22062.t1	XP_004552521.1	uncharacterized protein LOC101474966
g7858.t1	XP_004571666.1	uncharacterized protein LOC101477926
g25744.t1	XP_004555390.1	uncharacterized protein LOC101478874
g20466.t1	XP_004561853.1	uncharacterized protein LOC101480605
g42625.t1	XP_004566641.1	uncharacterized protein LOC101480741
g2050.t1	XP_004549715.1	uncharacterized protein LOC101480956
g56356.t1	XP_004556965.1	uncharacterized protein LOC101481070
g35109.t1	XP_004570018.1	uncharacterized protein LOC101482295
alltrinity_comp203546_c1_se	XP_004557328.1	uncharacterized protein LOC101482830
g35032.t1	XP_004555859.1	uncharacterized protein LOC101483300
g27953.t1	XP_004553401.1	uncharacterized protein LOC101483377
g40435.t1	XP_004560290.1	uncharacterized protein LOC101484154
g22698.t1	XP_004573312.1	uncharacterized protein LOC101484324
pac_pacbio_410347379_1/15	XP_004576709.1	uncharacterized protein LOC101484417
g44792.t1	XP_004573313.1	uncharacterized protein LOC101484583
g15885.t1	XP_004565309.1	uncharacterized protein LOC101485497
g20550.t1	XP_004546192.1	uncharacterized protein LOC101485610
g16851.t1	XP_004569047.1	uncharacterized protein LOC101485795
g56716.t1	XP_004539157.1	uncharacterized protein LOC101486153
XY_XY_ctg228176	XP_004559649.1	uncharacterized protein LOC101486530
g45137.t1	XP_004571616.1	uncharacterized protein LOC101486766
g45360.t1	XP_004555615.1	uncharacterized protein LOC101487660
g11488.t1	XP_004564404.1	uncharacterized protein LOC101487883
g32830.t1	XP_004542755.1	uncharacterized protein LOC101487892
g23041.t1	XP_004682158.1	uncharacterized protein LOC101633258
g57758.t1	XP_004911523.1	uncharacterized protein LOC101730828
g17220.t1	XP_004914297.1	uncharacterized protein LOC101731402
g35676.t1	XP_004919413.1	uncharacterized protein LOC101732139
g36214.t1	XP_004920435.1	uncharacterized protein LOC101732294
g18992.t1	XP_004917592.1	uncharacterized protein LOC101732816
g4752.t1	XP_004919962.1	uncharacterized protein LOC101733010
g46584.t1	XP_004919127.1	uncharacterized protein LOC101733433
g23116.t1	XP_004917469.1	uncharacterized protein LOC101733467
g91.t1	XP_004914953.1	uncharacterized protein LOC101733667
alltrinity_comp57308_c0_seq	XP_004914719.1	uncharacterized protein LOC101733949
g20188.t1	XP_004924271.1	uncharacterized protein LOC101737388
g42682.t1	XP_004932995.1	uncharacterized protein LOC101740474
qifan_comp136584_c0_seq2	XP_005161695.1	uncharacterized protein LOC101882211
qifan_comp152883_c0_seq1	XP_005172752.1	uncharacterized protein LOC101883059
qifan_comp195392_c0_seq1	XP_005170692.1	uncharacterized protein LOC101883546
ncbimrna_375865495	XP_005157502.1	uncharacterized protein LOC101884208
alltrinity_comp210248_c1_se	XP_005161829.1	uncharacterized protein LOC101884337
yu_Contig6803	XP_005171776.1	uncharacterized protein LOC101884896
pac_pacbio_411880460_1/6E	XP_005167244.1	uncharacterized protein LOC101886427
blue_Contig72773.1_13489	XP_005161692.1	uncharacterized protein LOC101887055
blue_Contig2748.1_27327	XP_005294352.1	uncharacterized protein LOC101948872
blue_Contig46806.1_9404	XP_005435829.1	uncharacterized protein LOC102057050
qifan_comp85056_c0_seq1	XP_005450678.1	uncharacterized protein LOC102076367
alltrinity_comp161516_c0_se	XP_005460762.1	uncharacterized protein LOC102076945

pac_pacbio_410817067_1/0	XP_005464157.1	uncharacterized protein LOC102077137
blue_Contig85318.1_14523	XP_005466659.1	uncharacterized protein LOC102078152
alltrinity_comp149625_c0_se	XP_005473705.1	uncharacterized protein LOC102078762
alltrinity_comp194250_c2_se	XP_005466108.1	uncharacterized protein LOC102079649
YY_jcf4885817	XP_005462000.1	uncharacterized protein LOC102080201
pac_pacbio_409643086_1/1C	XP_005466369.1	uncharacterized protein LOC102080911
qifan_comp188344_c0_seq1	XP_005462186.1	uncharacterized protein LOC102081513
pac_pacbio_410073501_2/1C	XP_005466079.1	uncharacterized protein LOC102082168
alltrinity_comp207891_c0_se	XP_005451783.1	uncharacterized protein LOC102082977
blue_Contig43739.1_7430	XP_005466641.1	uncharacterized protein LOC102083163
qifan_comp200420_c0_seq1	XP_005741295.1	uncharacterized protein LOC102194460
qifan_comp145476_c1_seq1	XP_005747259.1	uncharacterized protein LOC102202053
alltrinity_comp201971_c3_se	XP_005750376.1	uncharacterized protein LOC102205394
skin_comp15799_c0_seq2	XP_005730412.1	uncharacterized protein LOC102206558
pac_pacbio_412107500_1/0	XP_005755885.1	uncharacterized protein LOC102213288
qifan_comp255785_c0_seq1	XP_005928057.1	uncharacterized protein LOC102288881
cdna_FD369201.1	XP_005925152.1	uncharacterized protein LOC102297288
pac_pacbio_409599018_1/11	XP_005951291.1	uncharacterized protein LOC102308599
qifan_comp191274_c0_seq1	XP_005994417.1	uncharacterized protein LOC102361873
pac_pacbio_410035650_1/25	XP_006111317.1	uncharacterized protein LOC102449480
pac_pacbio_411706673_3/3	XP_006629712.1	uncharacterized protein LOC102688153
alltrinity_comp200848_c4_se	XP_006637780.1	uncharacterized protein LOC102694700
pac_pacbio_409885893_1/34	XP_006627718.1	uncharacterized protein LOC102695837
qifan_comp167363_c0_seq1	XP_006628321.1	uncharacterized protein LOC102698607
pac_pacbio_411813263_2/13	XP_006810778.1	uncharacterized protein LOC102775714
yu_Contig16232	XP_006787829.1	uncharacterized protein LOC102780396
pac_pacbio_410926873_3/3	XP_007071937.1	uncharacterized protein LOC102935427
qifan_comp131384_c0_seq1	XP_005161732.1	uncharacterized protein LOC103908669
g24651.t1	XP_220903.5	uncharacterized protein LOC303479
g42142.t1	NP_954967.1	uncharacterized protein LOC321250
g3038.t1	XP_001921014.3	uncharacterized protein LOC322468
cdna_FD049763.1	NP_956106.2	uncharacterized protein LOC327494
g34986.t1	NP_001074455.1	uncharacterized protein LOC335834
g18398.t1	NP_997943.1	uncharacterized protein LOC337459
g52879.t1	NP_919241.1	uncharacterized protein LOC368382
g27722.t1	XP_003199962.1	uncharacterized protein LOC368429
g28662.t1	XP_002664218.1	uncharacterized protein LOC368914
g37316.t1	NP_956824.1	uncharacterized protein LOC393502
g56519.t1	XP_002665267.1	uncharacterized protein LOC492696
g24292.t1	NP_001073633.1	uncharacterized protein LOC492735
qifan_comp240023_c0_seq1	XP_005155600.1	uncharacterized protein LOC552925
g7220.t1	NP_001077285.1	uncharacterized protein LOC553299
g14601.t1	NP_001018548.1	uncharacterized protein LOC553741
alltrinity_comp196058_c0_se	NP_001018555.1	uncharacterized protein LOC553748
alltrinity_comp209129_c0_se	NP_001121804.1	uncharacterized protein LOC555593
qifan_comp289555_c0_seq1	XP_683419.4	uncharacterized protein LOC555734
g43484.t1	NP_001139031.1	uncharacterized protein LOC555790
g6461.t1	NP_001070610.1	uncharacterized protein LOC556036
alltrinity_comp208335_c1_se	NP_001121707.1	uncharacterized protein LOC556245
g41211.t1	NP_001038267.2	uncharacterized protein LOC556372
g12341.t1	NP_001077293.2	uncharacterized protein LOC556440
g21903.t1	XP_685328.3	uncharacterized protein LOC557223
alltrinity_comp168542_c0_se	NP_001116711.1	uncharacterized protein LOC557488
g19749.t1	NP_001188459.1	uncharacterized protein LOC557812
blue_Contig77453.1_9046	NP_001124242.1	uncharacterized protein LOC557813
g36781.t1	XP_686230.2	uncharacterized protein LOC557975
cdna_FD016361.1	XP_704671.5	uncharacterized protein LOC558023
skin_comp63039_c0_seq2	NP_001107056.1	uncharacterized protein LOC558116
g29209.t1	NP_001121713.1	uncharacterized protein LOC558435
g29554.t1	XP_687069.2	uncharacterized protein LOC558721
g39751.t1	NP_001020674.1	uncharacterized protein LOC558894
g20482.t1	NP_001103851.1	uncharacterized protein LOC558938
qifan_comp135140_c0_seq1	NP_001038347.2	uncharacterized protein LOC559078
qifan_comp130611_c0_seq2	NP_001122169.2	uncharacterized protein LOC559113
g32208.t1	NP_001038351.1	uncharacterized protein LOC559137
g50501.t1	NP_001124245.1	uncharacterized protein LOC559801
qifan_comp165704_c0_seq1	NP_001091719.1	uncharacterized protein LOC561001
yu_Contig14664	NP_001116733.1	uncharacterized protein LOC561637
g49915.t1	NP_001020690.2	uncharacterized protein LOC562128
g5169.t1	XP_706110.3	uncharacterized protein LOC562347
qifan_comp202118_c0_seq1	NP_001038506.1	uncharacterized protein LOC564095
g57176.t1	NP_001038488.2	uncharacterized protein LOC564457
g31423.t1	NP_001124254.1	uncharacterized protein LOC564476
g57146.t1	XP_706335.2	uncharacterized protein LOC565165
g39436.t1	NP_001093486.1	uncharacterized protein LOC565190
g39612.t1	NP_001122013.1	uncharacterized protein LOC567472
g34344.t1	XP_695963.2	uncharacterized protein LOC567573
g48876.t1	XP_706429.2	uncharacterized protein LOC567989
g34265.t1	NP_001116758.1	uncharacterized protein LOC568003

g24165.t1	NP_001121820.1	uncharacterized protein LOC568178
g6989.t1	NP_001124262.1	uncharacterized protein LOC568410
qifan_comp94690_c0_seq1	NP_001020723.2	uncharacterized protein LOC568418
g43189.t1	NP_001122215.1	uncharacterized protein LOC568476
g27434.t1	NP_001073507.1	uncharacterized protein LOC568780
g13669.t1	NP_001103295.1	uncharacterized protein LOC569067
g49449.t1	XP_002662821.2	uncharacterized protein LOC569661
g45355.t1	NP_001116771.1	uncharacterized protein LOC569865
qifan_comp268193_c0_seq1	XP_706537.4	uncharacterized protein LOC570021
g48839.t1	NP_001013590.1	uncharacterized protein LOC570187
g34312.t1	NP_001116786.1	uncharacterized protein LOC570575
g42991.t1	NP_001108529.1	uncharacterized protein LOC571548
qifan_comp124662_c0_seq1	NP_001139083.1	uncharacterized protein LOC571915
g40175.t1	NP_001076347.1	uncharacterized protein LOC572032
g54526.t1	XP_795564.3	uncharacterized protein LOC590884
g55412.t1	XP_796845.3	uncharacterized protein LOC592216
qifan_comp211641_c0_seq1	NP_001028925.1	uncharacterized protein LOC619272
g180.t1	NP_001038862.1	uncharacterized protein LOC751683
pac_pacbio_411882431_1/0	XP_003726079.1	uncharacterized protein LOC764337
g31467.t1	NP_001070073.1	uncharacterized protein LOC767666
g1441.t1	XP_001235128.3	uncharacterized protein LOC771917
g30647.t1	NP_001116774.1	uncharacterized protein LOC791449
g20244.t1	XP_001332206.1	uncharacterized protein LOC792639
alltrinity_comp205951_c0_se	NP_001094429.1	uncharacterized protein LOC793802
g55841.t1	NP_001116781.1	uncharacterized protein LOC794385
g54391.t1	XP_001333103.1	uncharacterized protein LOC794824
cdna_aby_k29:2055781	NP_001124081.1	uncharacterized protein LOC794982
g32946.t1	XP_001335916.3	uncharacterized protein LOC795664
g31930.t1	NP_001103877.1	uncharacterized protein LOC796019
g8416.t1	XP_001335286.1	uncharacterized protein LOC797003
g36422.t1	XP_001334757.3	uncharacterized protein LOC797129
qifan_comp128632_c0_seq3	NP_001093529.1	uncharacterized protein LOC797776
g47629.t1	NP_001129455.1	uncharacterized protein LOC797835
g17874.t1	NP_001122275.1	uncharacterized protein LOC798684
g46114.t1	XP_004566527.1	uncharacterized protein MJ0240
g7702.t1	O96185	Uncharacterized protein PFB0460c
qifan_comp286758_c0_seq1	XP_002663833.3	uncharacterized protein sb:cb827
qifan_comp139816_c0_seq3	XP_001342546.1	uncharacterized protein si:ch211-167j6.3
alltrinity_comp188487_c0_se	XP_003198823.2	uncharacterized protein si:ch211-188c18.1
qifan_comp288182_c0_seq1	XP_706415.1	uncharacterized protein si:ch211-221j21.3
yu_Contig3053	XP_001345180.4	uncharacterized protein si:ch211-261d7.4
qifan_comp252915_c0_seq1	XP_005163845.1	uncharacterized protein si:ch73-167f10.1
alltrinity_comp205683_c0_se	XP_003199369.2	uncharacterized protein si:dkey-106i3.7
qifan_comp147333_c1_seq4	XP_703380.2	uncharacterized protein si:dkey-121h17.7
qifan_comp212556_c0_seq1	XP_706384.2	uncharacterized protein si:dkey-12l12.1
qifan_comp136584_c0_seq1	XP_001923739.2	uncharacterized protein si:dkey-182g1.6
qifan_comp104923_c0_seq1	XP_001334362.1	uncharacterized protein si:dkey-220k22.3
qifan_comp134919_c0_seq1	XP_005160032.1	uncharacterized protein si:dkey-27h10.2
pac_pacbio_410154827_1/1C	XP_706281.1	uncharacterized protein si:dkey-30e9.6
qifan_comp181832_c0_seq1	XP_001335256.1	uncharacterized protein si:dkey-30j10.5
cdna_FD023915.1	XP_001337059.3	uncharacterized protein si:dkey-87o1.2
yu_Contig16052	XP_002661155.1	uncharacterized protein si:dkey-93n13.2
pac_pacbio_410166675_1/1E	XP_005161753.1	uncharacterized protein si:dkeyp-122a9.1
skin_comp25099_c0_seq1	XP_005171537.1	uncharacterized protein si:dkeyp-68b7.10
cdna_GH689584.1	XP_706387.3	uncharacterized protein si:dkeyp-69c1.9
qifan_comp286973_c0_seq1	XP_002666584.3	uncharacterized protein si:rp71-80o10.4
g2848.t1	P64626	Uncharacterized protein YheO
g3581.t1	P32134	Uncharacterized protein YihM
qifan_comp136584_c0_seq9	XP_003201783.1	uncharacterized protein zgc:171497
alltrinity_comp182925_c0_se	CBN80909.1	Uncharacterized protein_1_n
g43673.t1	XP_004576558.1	uncharacterized threonine-rich GPI-anchored glycoprotein PJ4664.02
qifan_comp181544_c0_seq1	AAI33100.1	Unknown (protein for IMAGE:6523990)
g21769.t1	AAI57389.1	Unknown (protein for IMAGE:7070805)
qifan_comp141850_c0_seq5	AAI53376.1	Unknown (protein for IMAGE:7404853)
g10046.t1	CAG10182.1	unnamed protein product
XY_XY_ctg289219	BAA12332.1	unnamed protein product_10_n
pac_pacbio_410654763_2/0	BAA12331.1	unnamed protein product_12_n
alltrinity_comp184019_c0_se	CAF89529.1	unnamed protein product_4_n
qifan_comp152170_c3_seq7	CAG11586.1	unnamed protein product_5_n
blue_Contig88449_1_14848	BAA12332.1	unnamed protein product_6_n
pac_pacbio_410267174_1/0	CAG06189.1	unnamed protein product_8_n
pac_pacbio_411392801_1/0	CAG06189.1	unnamed protein product_9_n
g8227.t1	XP_004547440.1	UPF0444 transmembrane protein C12orf23
g16985.t1	NP_001108165.1	UPF0561 protein C2orf68
yu_Contig14849	XP_001920115.2	UPF0661 TPR repeat-containing protein C16D10.01c
g48822.t1	NP_001070748.1	UPF0711 protein C18orf21
alltrinity_comp159642_c0_se	XP_003200769.1	UPF0732 protein C1orf227
g35986.t1	NP_001187816.1	upper zone of growth plate and cartilage matrix associated
g26780.t1	XP_003457696.1	up-regulator of cell proliferation

g13373.t1	XP_004937023.1	uro-adherence factor A
g32414.t1	XP_003442715.1	urocortin-3
g22142.t1	NP_001124071.1	USP6 N-terminal-like protein
g13851.t1	BAM66237.1	vascular associated protein
g21559.t1	Q8AXB3.1	Vascular endothelial growth factor receptor kdr
qifan_comp240494_c0_seq1	XP_005166968.1	very low-density lipoprotein receptor
g31649.t1	NP_001025415.3	vessel-specific 1
g50711.t1	XP_003451921.1	vestarin-D1
g17789.t1	ACX35602.1	VHSV-induced protein
g4037.t1	ABW96364.1	vitellogenin
g54890.t1	XP_004068786.1	voltage-dependent calcium channel subunit alpha-2/delta-2
g8864.t1	XP_698014.5	voltage-dependent P/Q-type calcium channel subunit alpha-1A
g28977.t1	XP_002662293.2	voltage-dependent T-type calcium channel subunit alpha-1
g15717.t1	XP_004076461.1	voltage-gated potassium channel subunit beta-3
g10819.t1	XP_002942463.2	vomeronasal type-2 receptor 26
g42165.t1	PF05678.9	VQ
g14487.t1	PF07686.12	V-set
g48830.t1	XP_003201147.1	v-set domain-containing T-cell activation inhibitor 1
g27024.t1	ACJ65696.1	WAP1-like protein 1
g11377.t1	XP_003963749.1	WD repeat-containing protein 11
g19888.t1	NP_001093507.1	WD repeat-containing protein 31
g8217.t1	AAI27561.1	Wdr43 protein
g40848.t1	XP_691360.5	wu:fb25b09
alltrinity_comp203478_c0_se	XP_005157311.1	wu:fc26g07
g51200.t1	XP_684609.3	xin actin-binding repeat-containing protein 1
g6928.t1	XP_002666640.1	x-linked retinitis pigmentosa GTPase regulator-interacting protein 1
g24612.t1	NP_001165868.1	xylyltransferase 1
alltrinity_comp209288_c1_se	XP_005172886.1	Y' element ATP-dependent helicase YJL225C
g46487.t1	YP_005401815.1	YadA domain-containing protein
g17873.t1	PF09811.4	Yae1_N
blue_Contig58089.1_7468	AAI52526.1	Zcchc7l protein
g22898.t1	AAI52526.1	Zcchc7l protein
g20237.t1	PF00098.18	zf-CCHC
g36512.t1	PF10601.4	zf-LITAF
qifan_comp175963_c0_seq1	XP_005162501.1	zgc:112994
g9.t1	AAI42906.1	Zgc:123178 protein
g6476.t1	AAI16598.1	Zgc:136585
g10677.t1	AAH90183.1	Zgc:158151 protein
g7219.t1	AAH90678.1	Zgc:162509 protein
g38680.t1	AAI34162.1	Zgc:162945 protein
qifan_comp4547_c0_seq1	AAI53996.1	Zgc:171686 protein
g53616.t1	AAI53507.1	Zgc:174162 protein
cdna_aby_k77:647615	AAI54814.1	Zgc:174945
g57763.t1	XP_001333686.2	zinc finger and SCAN domain-containing protein 10
g28073.t1	XP_004211780.1	zinc finger BED domain-containing protein 1
g27565.t1	XP_004209393.1	zinc finger BED domain-containing protein 4
blue_Contig85069.1_4423	XP_005092620.1	zinc finger BED domain-containing protein 5
g46920.t1	XP_689680.3	zinc finger CCCH domain-containing protein 3
g38046.t1	XP_003201463.1	zinc finger CCHC domain-containing protein 14
g21833.t1	XP_003198345.1	zinc finger protein 135
g11008.t1	XP_696961.2	zinc finger protein 16
qifan_comp97580_c0_seq1	NP_001071004.1	zinc finger protein 185 (LIM domain)
g43453.t1	XP_001340263.3	zinc finger protein 192
g53020.t1	XP_004569526.1	zinc finger protein 235
g56.t1	XP_698650.1	zinc finger protein 251
g5594.t1	NP_001108045.1	zinc finger protein 341
g26503.t1	XP_001342735.1	zinc finger protein 350
g29977.t1	XP_001921750.2	zinc finger protein 385A
g40252.t1	XP_003455943.1	zinc finger protein 729
g25411.t1	XP_002661907.2	zinc finger protein 85
g11948.t1	NP_998659.2	zinc finger protein AEBP2
g2134.t1	NP_001104639.1	zinc finger protein DPF3
g11810.t1	XP_002663149.2	zinc finger protein GLIS1
g12474.t1	XP_004078886.1	zinc finger protein Xfin
g39430.t1	NP_001134310.1	Zinc finger SWIM domain-containing protein 7
g28492.t1	XP_001922332.2	zinc finger ZZ-type and EF-hand domain-containing protein 1
g26762.t1	Q9L7Q2	Zinc metalloprotease ZmpB
g34657.t1	WP_004194897.1	Zinc metalloprotease zmpC precursor, putative
g22012.t1	NP_001187614.1	zinc transporter zip11
g54687.t1	AGE89832.1	znf219
g37153.t1	XP_004539009.1	zona pellucida sperm-binding protein 3
g35854.t1	XP_004457235.1	zonadhesin
g55817.t1	XP_001340467.2	ZW10 interactor
g55891.t1	ACM16033.1	zwillig B

Supplemental table 59. Cavefish specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSAMXG0000008156	ENSAMXP00000008384	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSAMXG00000014247	ENSAMXP00000014657	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSAMXG00000008925	ENSAMXP00000009175	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSAMXG00000000238	ENSAMXP00000000247	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSAMXG00000025008	ENSAMXP00000025714	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSAMXG00000001756	ENSAMXP00000001792	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSAMXG00000009095	ENSAMXP00000009346	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSAMXG00000005092	ENSAMXP00000005218	apolipoprotein M [Source:ZFIN;Acc:ZDB-GENE-010605-5]	apom
ENSAMXG00000025519	ENSAMXP00000026224	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSAMXG00000009014	ENSAMXP00000009264	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSAMXG00000003009	ENSAMXP00000003060	brain expressed, associated with NEDD4, 1 [Source:HGNC Symbol;Acc:HGNC:24160]	BEAN1
ENSAMXG00000010759	ENSAMXP00000011048	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSAMXG00000000471	ENSAMXP00000000475	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSAMXG000000004130	ENSAMXP00000000424	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSAMXG00000013905	ENSAMXP00000014307	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSAMXG00000013645	ENSAMXP00000014038	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSAMXG00000021153	ENSAMXP00000021772	chromosome 2 open reading frame 68 [Source:HGNC Symbol;Acc:HGNC:34353]	C2orf68
ENSAMXG00000015654	ENSAMXP00000016106	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:HGNC:32235]	C8orf59
ENSAMXG00000006698	ENSAMXP00000006876	calpastatin [Source:ZFIN;Acc:ZDB-GENE-050810-2]	cast
ENSAMXG00000025663	ENSAMXP00000026368	cation channel, sperm associated 3 [Source:HGNC Symbol;Acc:HGNC:20819]	CATSPER3
ENSAMXG00000006745	ENSAMXP00000006920	coiled-coil domain containing 18 [Source:HGNC Symbol;Acc:HGNC:30370]	CCDC18
ENSAMXG00000019003	ENSAMXP00000019568	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	ccl-c11b
ENSAMXG00000021331	ENSAMXP00000021962	CD79b molecule, immunoglobulin-associated beta [Source:ZFIN;Acc:ZDB-GENE-121219-1]	cd79b
ENSAMXG00000006723	ENSAMXP00000006902	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSAMXG00000021358	ENSAMXP00000021990	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdc9
ENSAMXG00000002977	ENSAMXP00000003031	CKLF-like MARVEL transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19172]	CMTM1
ENSAMXG00000009264	ENSAMXP00000009523	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSAMXG00000007344	ENSAMXP00000007544	cytokine receptor family member B12 [Source:ZFIN;Acc:ZDB-GENE-060421-4184]	crfb12
ENSAMXG00000014964	ENSAMXP00000015398	cytokine receptor family member B13 [Source:ZFIN;Acc:ZDB-GENE-071120-8]	crfb13
ENSAMXG00000003209	ENSAMXP00000003209	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSAMXG00000007449	ENSAMXP00000007653	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSAMXG00000002657	ENSAMXP00000002719	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSAMXG00000002849	ENSAMXP00000002917	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb2
ENSAMXG00000005300	ENSAMXP00000005426	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSAMXG00000005667	ENSAMXP00000005800	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSAMXG00000014933	ENSAMXP00000015371	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSAMXG00000013405	ENSAMXP00000013792	emerin (Emery-Dreifuss muscular dystrophy) [Source:ZFIN;Acc:ZDB-GENE-070501-2]	emd
ENSAMXG00000013547	ENSAMXP00000013932	family with sequence similarity 149, member B1 [Source:ZFIN;Acc:ZDB-GENE-070112-2102]	fam149b1
ENSAMXG00000006076	ENSAMXP00000006229	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fos1b
ENSAMXG00000009118	ENSAMXP00000009369	finTRIM family, member 60, pseudogene [Source:ZFIN;Acc:ZDB-GENE-090508-5]	fr60p
ENSAMXG00000020732	ENSAMXP00000021351	G protein pathway suppressor 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1176]	gps2
ENSAMXG000000020185	ENSAMXP00000020781	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSAMXG00000012870	ENSAMXP00000013231	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSAMXG00000016829	ENSAMXP00000017324	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmga1b
ENSAMXG00000025160	ENSAMXP00000025866	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSAMXG00000019659	ENSAMXP00000020242	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSAMXG00000019684	ENSAMXP00000020270	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSAMXG00000004234	ENSAMXP00000004333	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSAMXG00000004184	ENSAMXP00000004278	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSAMXG00000000233	ENSAMXP00000000241	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSAMXG00000016308	ENSAMXP00000016791	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSAMXG00000007019	ENSAMXP00000007212	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	ml17
ENSAMXG00000014716	ENSAMXP00000015148	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSAMXG00000011910	ENSAMXP00000012238	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSAMXG00000011332	ENSAMXP00000011439	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mtpa
ENSAMXG00000018171	ENSAMXP00000018715	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	MLANA
ENSAMXG00000003879	ENSAMXP00000003958	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:HGNC:16655]	MRPL52
ENSAMXG00000018145	ENSAMXP00000018688	murine retrovirus integration site 1 homolog [Source:ZFIN;Acc:ZDB-GENE-120221-4]	mrvi1
ENSAMXG00000003681	ENSAMXP00000003757	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSAMXG00000010824	ENSAMXP00000011114	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSAMXG00000017752	ENSAMXP00000018282	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSAMXG00000006375	ENSAMXP00000006538	myc target 1 [Source:ZFIN;Acc:ZDB-GENE-041001-143]	myct1
ENSAMXG00000019788	ENSAMXP00000020378	N-acetyltransferase 14 (GCN5-related, putative) [Source:HGNC Symbol;Acc:HGNC:28918]	NAT14
ENSAMXG00000008794	ENSAMXP00000009039	nuclear receptor coactivator 3 [Source:HGNC Symbol;Acc:HGNC:7670]	NCOA3
ENSAMXG00000000834	ENSAMXP00000000847	nuclear receptor coactivator 5 [Source:ZFIN;Acc:ZDB-GENE-040912-155]	ncoa5
ENSAMXG00000014164	ENSAMXP00000014569	nucleolar protein 7 [Source:ZFIN;Acc:ZDB-GENE-030131-9100]	no17
ENSAMXG00000016285	ENSAMXP00000016769	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSAMXG00000006134	ENSAMXP00000006293	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSAMXG00000017161	ENSAMXP00000017654	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1n
ENSAMXG00000013812	ENSAMXP00000014210	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSAMXG00000011831	ENSAMXP00000012159	pro-melanin concentrating hormone [Source:ZFIN;Acc:ZDB-GENE-041210-150]	pmch
ENSAMXG00000025458	ENSAMXP00000026163	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSAMXG00000021008	ENSAMXP00000021628	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSAMXG00000020556	ENSAMXP00000021167	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSAMXG00000025658	ENSAMXP00000026363	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnpr3
ENSAMXG00000004650	ENSAMXP00000004753	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3

ENSAMXG00000016799	ENSAMXP00000017292	proline rich 11 [Source:ZFIN;Acc:ZDB-GENE-091118-97]	prr11
ENSAMXG00000010656	ENSAMXP00000010946	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSAMXG00000000620	ENSAMXP00000000631	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSAMXG00000010017	ENSAMXP00000010288	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSAMXG00000011480	ENSAMXP00000011796	ribosomal protein S19 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-110316-2]	rpz19bp1
ENSAMXG00000025026	ENSAMXP00000025732	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSAMXG00000025025	ENSAMXP00000025731	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-90711]	rpz2
ENSAMXG00000025027	ENSAMXP00000025733	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSAMXG00000025029	ENSAMXP00000025735	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSAMXG00000025028	ENSAMXP00000025734	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSAMXG00000017142	ENSAMXP00000017634	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSAMXG00000004072	ENSAMXP00000004161	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSAMXG00000016121	ENSAMXP00000016606	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSAMXG00000009125	ENSAMXP00000009378	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSAMXG00000012981	ENSAMXP00000013350	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSAMXG00000000733	ENSAMXP00000000750	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSAMXG00000013906	ENSAMXP00000014308	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSAMXG00000025190	ENSAMXP00000025896	si:ch211-119d14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-100]	si:ch211-119d14.3
ENSAMXG00000007466	ENSAMXP00000007672	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSAMXG00000020984	ENSAMXP00000021605	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSAMXG00000010373	ENSAMXP00000010654	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSAMXG00000020467	ENSAMXP00000021072	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSAMXG00000015369	ENSAMXP00000015814	si:ch211-149p10.2 [Source:ZFIN;Acc:ZDB-GENE-060503-762]	si:ch211-149p10.2
ENSAMXG00000014014	ENSAMXP00000014417	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSAMXG00000005295	ENSAMXP00000005424	si:ch211-153l6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153l6.6
ENSAMXG00000012915	ENSAMXP00000013281	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSAMXG00000012977	ENSAMXP00000013340	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSAMXG00000014838	ENSAMXP00000015268	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSAMXG00000020502	ENSAMXP00000021107	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSAMXG00000020497	ENSAMXP00000021102	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSAMXG00000020467	ENSAMXP00000002520	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSAMXG00000015420	ENSAMXP00000015865	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSAMXG00000024931	ENSAMXP00000025637	si:ch211-197k17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-193]	si:ch211-197k17.3
ENSAMXG00000000065	ENSAMXP00000000064	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSAMXG00000025144	ENSAMXP00000025850	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSAMXG00000018526	ENSAMXP00000019076	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSAMXG00000019604	ENSAMXP00000020187	si:ch211-214j24.10 [Source:ZFIN;Acc:ZDB-GENE-030131-63011]	si:ch211-214j24.10
ENSAMXG00000003608	ENSAMXP00000003681	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSAMXG00000012061	ENSAMXP00000012400	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSAMXG00000001404	ENSAMXP00000001429	si:ch211-226m16.2 [Source:ZFIN;Acc:ZDB-GENE-030131-2302]	si:ch211-226m16.2
ENSAMXG0000001393	ENSAMXP0000001419	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSAMXG00000024871	ENSAMXP00000025577	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENSAMXG00000024539	ENSAMXP00000025239	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-133]	si:ch211-22i13.2
ENSAMXG00000011113	ENSAMXP00000011418	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSAMXG00000016288	ENSAMXP00000016773	si:ch211-24o10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-24o10.6
ENSAMXG00000002107	ENSAMXP00000002150	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENSAMXG00000011767	ENSAMXP00000012096	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENSAMXG00000016346	ENSAMXP00000016829	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSAMXG00000024889	ENSAMXP00000025595	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSAMXG00000010095	ENSAMXP00000010368	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSAMXG00000008439	ENSAMXP00000008666	si:ch211-284e13.11 [Source:ZFIN;Acc:ZDB-GENE-060526-157]	si:ch211-284e13.11
ENSAMXG00000007309	ENSAMXP00000007511	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSAMXG00000010135	ENSAMXP00000010412	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSAMXG0000001394	ENSAMXP0000001420	si:ch211-39i22.1 [Source:ZFIN;Acc:ZDB-GENE-120215-258]	si:ch211-39i22.1
ENSAMXG00000016833	ENSAMXP00000017333	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSAMXG00000016717	ENSAMXP00000017214	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSAMXG00000010045	ENSAMXP00000010315	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSAMXG00000009296	ENSAMXP00000009556	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSAMXG00000016548	ENSAMXP00000017040	si:ch73-127m5.2 [Source:ZFIN;Acc:ZDB-GENE-030131-1052]	si:ch73-127m5.2
ENSAMXG00000008928	ENSAMXP00000009181	si:ch73-140j24.4 [Source:ZFIN;Acc:ZDB-GENE-131120-193]	si:ch73-140j24.4
ENSAMXG00000009495	ENSAMXP00000009758	si:ch73-193c12.2 [Source:ZFIN;Acc:ZDB-GENE-131127-646]	si:ch73-193c12.2
ENSAMXG00000010005	ENSAMXP00000010271	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSAMXG00000025578	ENSAMXP00000026283	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSAMXG00000005185	ENSAMXP00000005309	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSAMXG00000006648	ENSAMXP00000006822	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSAMXG00000026009	ENSAMXP00000026714	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSAMXG00000021555	ENSAMXP00000022198	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSAMXG00000018452	ENSAMXP00000019001	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSAMXG00000000718	ENSAMXP00000000733	si:dkey-117m1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-177]	si:dkey-117m1.4
ENSAMXG00000014541	ENSAMXP00000014964	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSAMXG00000020406	ENSAMXP00000021017	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSAMXG00000004692	ENSAMXP00000004801	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSAMXG00000014677	ENSAMXP00000015100	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSAMXG00000016415	ENSAMXP00000016904	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSAMXG00000013225	ENSAMXP00000013606	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSAMXG00000020792	ENSAMXP00000021413	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSAMXG00000012423	ENSAMXP00000012766	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSAMXG00000011838	ENSAMXP00000012169	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSAMXG00000026328	ENSAMXP00000027033	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15

ENSAMXG0000004395	ENSAMXP0000004498	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSAMXG0000006731	ENSAMXP0000006905	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSAMXG0000004508	ENSAMXP00000004617	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSAMXG0000008608	ENSAMXP00000008846	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSAMXG00000026000	ENSAMXP00000026705	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSAMXG00000007356	ENSAMXP00000007557	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSAMXG00000019305	ENSAMXP00000019879	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSAMXG00000024641	ENSAMXP00000025346	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSAMXG00000001293	ENSAMXP00000001318	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSAMXG00000007060	ENSAMXP00000007247	si:dkey-27p18.3 [Source:ZFIN;Acc:ZDB-GENE-060526-287]	si:dkey-27p18.3
ENSAMXG00000017507	ENSAMXP00000018021	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSAMXG00000019733	ENSAMXP00000020324	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSAMXG00000015823	ENSAMXP00000016284	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSAMXG00000000079	ENSAMXP00000000080	si:dkey-52l18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52l18.4
ENSAMXG00000018768	ENSAMXP00000019323	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSAMXG00000007012	ENSAMXP00000007205	si:dkey-58f10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-320]	si:dkey-58f10.6
ENSAMXG00000008494	ENSAMXP00000008726	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSAMXG00000011444	ENSAMXP00000011452	si:dkey-59l11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59l11.7
ENSAMXG00000019810	ENSAMXP00000020398	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSAMXG00000012732	ENSAMXP00000013088	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSAMXG00000002793	ENSAMXP0000002858	si:dkey-67c22.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5845]	si:dkey-67c22.2
ENSAMXG00000014627	ENSAMXP00000015046	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSAMXG00000007514	ENSAMXP00000007723	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSAMXG00000017151	ENSAMXP00000017645	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSAMXG00000005053	ENSAMXP00000005180	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSAMXG00000019068	ENSAMXP00000019636	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSAMXG00000012804	ENSAMXP00000013161	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSAMXG00000009883	ENSAMXP00000010155	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSAMXG00000010268	ENSAMXP00000010546	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSAMXG00000011313	ENSAMXP00000011626	si:dkeyp-117b11.2 [Source:ZFIN;Acc:ZDB-GENE-081104-454]	si:dkeyp-117b11.2
ENSAMXG00000014678	ENSAMXP00000015101	si:dkeyp-117b11.3 [Source:ZFIN;Acc:ZDB-GENE-081104-455]	si:dkeyp-117b11.3
ENSAMXG00000005457	ENSAMXP00000005590	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSAMXG00000014350	ENSAMXP00000014769	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSAMXG00000013356	ENSAMXP00000013743	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSAMXG0000000659	ENSAMXP00000006673	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSAMXG00000004127	ENSAMXP00000004220	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSAMXG00000016635	ENSAMXP00000017132	si:dkeyp-77c8.5 [Source:ZFIN;Acc:ZDB-GENE-090313-401]	si:dkeyp-77c8.5
ENSAMXG00000016022	ENSAMXP00000016494	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSAMXG00000013563	ENSAMXP00000013952	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSAMXG00000009176	ENSAMXP00000009429	si:zfos-1762d12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1188]	si:zfos-1762d12.1
ENSAMXG00000009831	ENSAMXP00000010105	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSAMXG00000004262	ENSAMXP00000004364	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSAMXG000000026101	ENSAMXP00000026806	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSAMXG00000019967	ENSAMXP00000020561	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4l
ENSAMXG00000020994	ENSAMXP00000021614	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSAMXG00000025312	ENSAMXP00000026018	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	sprn
ENSAMXG00000025286	ENSAMXP00000025992	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	sprn2
ENSAMXG00000013175	ENSAMXP00000013558	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	sst6
ENSAMXG00000013668	ENSAMXP00000014061	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) [Source:ZFIN;Acc:ZDB-GENE-030131-5395]	st13
ENSAMXG00000013075	ENSAMXP00000013451	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tac3a
ENSAMXG00000019139	ENSAMXP00000019706	testis expressed 2 [Source:ZFIN;Acc:ZDB-GENE-070615-7]	tex2
ENSAMXG00000011719	ENSAMXP00000012047	thrombopoietin [Source:ZFIN;Acc:ZDB-GENE-110510-1]	thpo
ENSAMXG00000012322	ENSAMXP00000012669	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSAMXG00000004518	ENSAMXP00000004624	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSAMXG00000026139	ENSAMXP00000026844	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmemb119a
ENSAMXG00000016761	ENSAMXP00000017257	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrobp
ENSAMXG00000000148	ENSAMXP00000000150	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSAMXG00000000242	ENSAMXP00000000251	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSAMXG000000004143	ENSAMXP00000004235	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSAMXG00000013340	ENSAMXP00000013728	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSAMXG000000004146	ENSAMXP00000004236	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSAMXG000000025414	ENSAMXP00000026119	VEGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgef
ENSAMXG00000002773	ENSAMXP00000002840	VCP-interacting membrane protein [Source:ZFIN;Acc:ZDB-GENE-060804-1]	vimp
ENSAMXG00000019039	ENSAMXP00000019605	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSAMXG00000002949	ENSAMXP00000003007	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSAMXG00000007064	ENSAMXP00000007251	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSAMXG00000011033	ENSAMXP00000011337	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSAMXG00000010836	ENSAMXP00000011130	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983
ENSAMXG00000014284	ENSAMXP00000014693	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSAMXG00000006878	ENSAMXP00000007065	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSAMXG000000007441	ENSAMXP00000007644	zgc:113210 [Source:ZFIN;Acc:ZDB-GENE-050320-83]	zgc:113210
ENSAMXG00000015100	ENSAMXP00000015537	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSAMXG00000008576	ENSAMXP00000008814	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSAMXG00000025803	ENSAMXP00000026508	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSAMXG00000009409	ENSAMXP00000009667	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSAMXG00000007503	ENSAMXP00000007711	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSAMXG00000001386	ENSAMXP00000001416	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSAMXG00000017410	ENSAMXP00000017918	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSAMXG00000025715	ENSAMXP00000026420	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157

ENSAMXG00000024874	ENSAMXP00000025580	zgc:153675 [Source:ZFIN;Acc:ZDB-GENE-061013-567]	zgc:153675
ENSAMXG00000024618	ENSAMXP00000025323	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSAMXG00000018321	ENSAMXP00000018870	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSAMXG00000011287	ENSAMXP00000011606	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSAMXG00000009592	ENSAMXP00000009856	zgc:174863 [Source:ZFIN;Acc:ZDB-GENE-080204-87]	zgc:174863
ENSAMXG00000004869	ENSAMXP00000004989	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSAMXG00000019067	ENSAMXP00000019635	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSAMXG00000017441	ENSAMXP00000017955	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSAMXG00000001771	ENSAMXP00000001805	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSAMXG00000007333	ENSAMXP00000007532	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSAMXG00000014021	ENSAMXP00000014426	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSAMXG00000007200	ENSAMXP00000007392	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSAMXG00000005094	ENSAMXP00000005221	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSAMXG00000025517	ENSAMXP00000026222	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSAMXG00000004186	ENSAMXP00000004280	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSAMXG00000018132	ENSAMXP00000018679	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSAMXG00000006867	ENSAMXP00000007050	zgc:194981 [Source:ZFIN;Acc:ZDB-GENE-081022-170]	zgc:194981
ENSAMXG00000000530	ENSAMXP00000000537	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSAMXG00000007681	ENSAMXP00000007895	zgc:195245 [Source:ZFIN;Acc:ZDB-GENE-081022-200]	zgc:195245
ENSAMXG00000003471	ENSAMXP00000003536	zgc:66472 [Source:ZFIN;Acc:ZDB-GENE-030131-5705]	zgc:66472
ENSAMXG00000016650	ENSAMXP00000017147	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSAMXG00000000018	ENSAMXP00000000011	novel gene	ENSAMXG00000000018
ENSAMXG00000000092	ENSAMXP00000000091	novel gene	ENSAMXG00000000092
ENSAMXG00000000212	ENSAMXP00000000219	novel gene	ENSAMXG00000000212
ENSAMXG00000000223	ENSAMXP00000000229	novel gene	ENSAMXG00000000223
ENSAMXG00000000245	ENSAMXP00000000254	novel gene	ENSAMXG00000000245
ENSAMXG00000000372	ENSAMXP00000000380	novel gene	ENSAMXG00000000372
ENSAMXG00000000445	ENSAMXP00000000450	novel gene	ENSAMXG00000000445
ENSAMXG00000000500	ENSAMXP00000000504	novel gene	ENSAMXG00000000500
ENSAMXG00000000532	ENSAMXP00000000539	novel gene	ENSAMXG00000000532
ENSAMXG00000000677	ENSAMXP00000000677	novel gene	ENSAMXG00000000677
ENSAMXG00000000712	ENSAMXP00000000721	novel gene	ENSAMXG00000000712
ENSAMXG00000001011	ENSAMXP00000001034	novel gene	ENSAMXG00000001011
ENSAMXG00000001090	ENSAMXP00000001112	novel gene	ENSAMXG00000001090
ENSAMXG00000001171	ENSAMXP00000001193	novel gene	ENSAMXG00000001171
ENSAMXG00000001177	ENSAMXP00000001201	novel gene	ENSAMXG00000001177
ENSAMXG00000001224	ENSAMXP00000001248	novel gene	ENSAMXG00000001224
ENSAMXG00000001256	ENSAMXP00000001281	novel gene	ENSAMXG00000001256
ENSAMXG00000001338	ENSAMXP00000001359	novel gene	ENSAMXG00000001338
ENSAMXG00000001472	ENSAMXP00000001498	novel gene	ENSAMXG00000001472
ENSAMXG00000001527	ENSAMXP00000001552	novel gene	ENSAMXG00000001527
ENSAMXG00000001666	ENSAMXP00000001689	novel gene	ENSAMXG00000001666
ENSAMXG00000001930	ENSAMXP00000001966	novel gene	ENSAMXG00000001930
ENSAMXG00000002052	ENSAMXP00000002093	novel gene	ENSAMXG00000002052
ENSAMXG00000002054	ENSAMXP00000002097	novel gene	ENSAMXG00000002054
ENSAMXG00000002080	ENSAMXP00000002120	novel gene	ENSAMXG00000002080
ENSAMXG00000002324	ENSAMXP00000002374	novel gene	ENSAMXG00000002324
ENSAMXG00000002346	ENSAMXP00000002396	novel gene	ENSAMXG00000002346
ENSAMXG00000002564	ENSAMXP00000002623	novel gene	ENSAMXG00000002564
ENSAMXG00000002618	ENSAMXP00000002682	novel gene	ENSAMXG00000002618
ENSAMXG00000002693	ENSAMXP00000002755	novel gene	ENSAMXG00000002693
ENSAMXG00000002692	ENSAMXP00000002757	novel gene	ENSAMXG00000002692
ENSAMXG00000002790	ENSAMXP00000002856	novel gene	ENSAMXG00000002790
ENSAMXG00000002845	ENSAMXP00000002907	novel gene	ENSAMXG00000002845
ENSAMXG00000002904	ENSAMXP00000002963	novel gene	ENSAMXG00000002904
ENSAMXG00000002944	ENSAMXP00000003000	novel gene	ENSAMXG00000002944
ENSAMXG00000002951	ENSAMXP00000003009	novel gene	ENSAMXG00000002951
ENSAMXG00000003046	ENSAMXP00000003098	novel gene	ENSAMXG00000003046
ENSAMXG00000003070	ENSAMXP00000003130	novel gene	ENSAMXG00000003070
ENSAMXG00000003178	ENSAMXP00000003240	novel gene	ENSAMXG00000003178
ENSAMXG00000003188	ENSAMXP00000003255	novel gene	ENSAMXG00000003188
ENSAMXG00000003189	ENSAMXP00000003256	novel gene	ENSAMXG00000003189
ENSAMXG00000003270	ENSAMXP00000003337	novel gene	ENSAMXG00000003270
ENSAMXG00000003352	ENSAMXP00000003417	novel gene	ENSAMXG00000003352
ENSAMXG00000003364	ENSAMXP00000003432	novel gene	ENSAMXG00000003364
ENSAMXG00000003383	ENSAMXP00000003455	novel gene	ENSAMXG00000003383
ENSAMXG00000003405	ENSAMXP00000003476	novel gene	ENSAMXG00000003405
ENSAMXG00000003469	ENSAMXP00000003529	novel gene	ENSAMXG00000003469
ENSAMXG00000003752	ENSAMXP00000003834	novel gene	ENSAMXG00000003752
ENSAMXG00000003856	ENSAMXP00000003939	novel gene	ENSAMXG00000003856
ENSAMXG00000003861	ENSAMXP00000003944	novel gene	ENSAMXG00000003861
ENSAMXG00000003885	ENSAMXP00000003966	novel gene	ENSAMXG00000003885
ENSAMXG00000004001	ENSAMXP00000004086	novel gene	ENSAMXG00000004001
ENSAMXG00000004070	ENSAMXP00000004158	novel gene	ENSAMXG00000004070
ENSAMXG00000004119	ENSAMXP00000004212	novel gene	ENSAMXG00000004119
ENSAMXG00000004155	ENSAMXP00000004248	novel gene	ENSAMXG00000004155
ENSAMXG00000004361	ENSAMXP00000004464	novel gene	ENSAMXG00000004361
ENSAMXG00000004548	ENSAMXP00000004652	novel gene	ENSAMXG00000004548
ENSAMXG00000004618	ENSAMXP00000004722	novel gene	ENSAMXG00000004618

ENSAMXG0000004724	ENSAMXP0000004837	novel gene	ENSAMXG0000004724
ENSAMXG0000004746	ENSAMXP0000004855	novel gene	ENSAMXG0000004746
ENSAMXG0000004779	ENSAMXP0000004888	novel gene	ENSAMXG0000004779
ENSAMXG0000004990	ENSAMXP0000005115	novel gene	ENSAMXG0000004990
ENSAMXG0000005002	ENSAMXP0000005128	novel gene	ENSAMXG0000005002
ENSAMXG0000005087	ENSAMXP0000005213	novel gene	ENSAMXG0000005087
ENSAMXG0000005098	ENSAMXP0000005224	novel gene	ENSAMXG0000005098
ENSAMXG0000005165	ENSAMXP0000005288	novel gene	ENSAMXG0000005165
ENSAMXG0000005357	ENSAMXP0000005489	novel gene	ENSAMXG0000005357
ENSAMXG0000005497	ENSAMXP0000005631	novel gene	ENSAMXG0000005497
ENSAMXG0000005519	ENSAMXP0000005657	novel gene	ENSAMXG0000005519
ENSAMXG0000005558	ENSAMXP0000005691	novel gene	ENSAMXG0000005558
ENSAMXG0000005642	ENSAMXP0000005772	novel gene	ENSAMXG0000005642
ENSAMXG0000005833	ENSAMXP0000005973	novel gene	ENSAMXG0000005833
ENSAMXG0000005844	ENSAMXP0000005984	novel gene	ENSAMXG0000005844
ENSAMXG0000006016	ENSAMXP0000006165	novel gene	ENSAMXG0000006016
ENSAMXG0000006030	ENSAMXP0000006181	novel gene	ENSAMXG0000006030
ENSAMXG0000006070	ENSAMXP0000006223	novel gene	ENSAMXG0000006070
ENSAMXG0000006184	ENSAMXP0000006344	novel gene	ENSAMXG0000006184
ENSAMXG0000006252	ENSAMXP0000006415	novel gene	ENSAMXG0000006252
ENSAMXG0000006263	ENSAMXP0000006429	novel gene	ENSAMXG0000006263
ENSAMXG0000006335	ENSAMXP0000006501	novel gene	ENSAMXG0000006335
ENSAMXG0000006457	ENSAMXP0000006625	novel gene	ENSAMXG0000006457
ENSAMXG0000006470	ENSAMXP0000006636	novel gene	ENSAMXG0000006470
ENSAMXG0000006500	ENSAMXP0000006668	novel gene	ENSAMXG0000006500
ENSAMXG0000006518	ENSAMXP0000006687	novel gene	ENSAMXG0000006518
ENSAMXG0000006819	ENSAMXP0000007001	novel gene	ENSAMXG0000006819
ENSAMXG0000006862	ENSAMXP0000007045	novel gene	ENSAMXG0000006862
ENSAMXG0000006906	ENSAMXP0000007093	novel gene	ENSAMXG0000006906
ENSAMXG0000006973	ENSAMXP0000007159	novel gene	ENSAMXG0000006973
ENSAMXG0000006999	ENSAMXP0000007192	novel gene	ENSAMXG0000006999
ENSAMXG0000007022	ENSAMXP0000007214	novel gene	ENSAMXG0000007022
ENSAMXG0000007084	ENSAMXP0000007274	novel gene	ENSAMXG0000007084
ENSAMXG0000007088	ENSAMXP0000007277	novel gene	ENSAMXG0000007088
ENSAMXG0000007121	ENSAMXP0000007308	novel gene	ENSAMXG0000007121
ENSAMXG0000007238	ENSAMXP0000007433	novel gene	ENSAMXG0000007238
ENSAMXG0000007240	ENSAMXP0000007436	novel gene	ENSAMXG0000007240
ENSAMXG0000007241	ENSAMXP0000007437	novel gene	ENSAMXG0000007241
ENSAMXG0000007452	ENSAMXP0000007656	novel gene	ENSAMXG0000007452
ENSAMXG0000007590	ENSAMXP0000007800	novel gene	ENSAMXG0000007590
ENSAMXG0000007781	ENSAMXP0000008003	novel gene	ENSAMXG0000007781
ENSAMXG0000007785	ENSAMXP0000008007	novel gene	ENSAMXG0000007785
ENSAMXG0000007814	ENSAMXP0000008035	novel gene	ENSAMXG0000007814
ENSAMXG0000007821	ENSAMXP0000008043	novel gene	ENSAMXG0000007821
ENSAMXG0000007824	ENSAMXP0000008045	novel gene	ENSAMXG0000007824
ENSAMXG0000007841	ENSAMXP0000008062	novel gene	ENSAMXG0000007841
ENSAMXG0000007867	ENSAMXP0000008088	novel gene	ENSAMXG0000007867
ENSAMXG0000007906	ENSAMXP0000008122	novel gene	ENSAMXG0000007906
ENSAMXG0000007961	ENSAMXP0000008182	novel gene	ENSAMXG0000007961
ENSAMXG0000007983	ENSAMXP0000008199	novel gene	ENSAMXG0000007983
ENSAMXG0000008042	ENSAMXP0000008254	novel gene	ENSAMXG0000008042
ENSAMXG0000008038	ENSAMXP0000008257	novel gene	ENSAMXG0000008038
ENSAMXG0000008050	ENSAMXP0000008265	novel gene	ENSAMXG0000008050
ENSAMXG0000008057	ENSAMXP0000008277	novel gene	ENSAMXG0000008057
ENSAMXG0000008089	ENSAMXP0000008305	novel gene	ENSAMXG0000008089
ENSAMXG0000008206	ENSAMXP0000008431	novel gene	ENSAMXG0000008206
ENSAMXG0000008231	ENSAMXP0000008460	novel gene	ENSAMXG0000008231
ENSAMXG0000008339	ENSAMXP0000008569	novel gene	ENSAMXG0000008339
ENSAMXG0000008407	ENSAMXP0000008634	novel gene	ENSAMXG0000008407
ENSAMXG0000008483	ENSAMXP0000008717	novel gene	ENSAMXG0000008483
ENSAMXG0000008500	ENSAMXP0000008734	novel gene	ENSAMXG0000008500
ENSAMXG0000008514	ENSAMXP0000008748	novel gene	ENSAMXG0000008514
ENSAMXG0000008629	ENSAMXP0000008875	novel gene	ENSAMXG0000008629
ENSAMXG0000008681	ENSAMXP0000008922	novel gene	ENSAMXG0000008681
ENSAMXG0000008757	ENSAMXP0000009001	novel gene	ENSAMXG0000008757
ENSAMXG0000008831	ENSAMXP0000009075	novel gene	ENSAMXG0000008831
ENSAMXG0000008952	ENSAMXP0000009201	novel gene	ENSAMXG0000008952
ENSAMXG0000009073	ENSAMXP0000009320	novel gene	ENSAMXG0000009073
ENSAMXG0000009083	ENSAMXP0000009328	novel gene	ENSAMXG0000009083
ENSAMXG0000009092	ENSAMXP0000009341	novel gene	ENSAMXG0000009092
ENSAMXG0000009132	ENSAMXP0000009382	novel gene	ENSAMXG0000009132
ENSAMXG0000009133	ENSAMXP0000009383	novel gene	ENSAMXG0000009133
ENSAMXG0000009181	ENSAMXP0000009435	novel gene	ENSAMXG0000009181
ENSAMXG0000009302	ENSAMXP0000009557	novel gene	ENSAMXG0000009302
ENSAMXG0000009310	ENSAMXP0000009571	novel gene	ENSAMXG0000009310
ENSAMXG0000009316	ENSAMXP0000009577	novel gene	ENSAMXG0000009316
ENSAMXG0000009331	ENSAMXP0000009590	novel gene	ENSAMXG0000009331
ENSAMXG0000009349	ENSAMXP0000009603	novel gene	ENSAMXG0000009349
ENSAMXG0000009356	ENSAMXP0000009611	novel gene	ENSAMXG0000009356

ENSAMXG0000009386	ENSAMXP0000009641	novel gene	ENSAMXG0000009386
ENSAMXG0000009573	ENSAMXP0000009839	novel gene	ENSAMXG0000009573
ENSAMXG0000009597	ENSAMXP0000009867	novel gene	ENSAMXG0000009597
ENSAMXG0000009711	ENSAMXP0000009976	novel gene	ENSAMXG0000009711
ENSAMXG0000009758	ENSAMXP0000010028	novel gene	ENSAMXG0000009758
ENSAMXG0000009811	ENSAMXP0000010082	novel gene	ENSAMXG0000009811
ENSAMXG0000009888	ENSAMXP0000010161	novel gene	ENSAMXG0000009888
ENSAMXG0000009965	ENSAMXP0000010233	novel gene	ENSAMXG0000009965
ENSAMXG0000009977	ENSAMXP0000010245	novel gene	ENSAMXG0000009977
ENSAMXG0000010031	ENSAMXP0000010297	novel gene	ENSAMXG0000010031
ENSAMXG0000010085	ENSAMXP0000010356	novel gene	ENSAMXG0000010085
ENSAMXG0000010143	ENSAMXP0000010419	novel gene	ENSAMXG0000010143
ENSAMXG0000010145	ENSAMXP0000010422	novel gene	ENSAMXG0000010145
ENSAMXG0000010163	ENSAMXP0000010438	novel gene	ENSAMXG0000010163
ENSAMXG0000010247	ENSAMXP0000010525	novel gene	ENSAMXG0000010247
ENSAMXG0000010322	ENSAMXP0000010601	novel gene	ENSAMXG0000010322
ENSAMXG0000010361	ENSAMXP0000010644	novel gene	ENSAMXG0000010361
ENSAMXG0000010580	ENSAMXP0000010866	novel gene	ENSAMXG0000010580
ENSAMXG0000010622	ENSAMXP0000010911	novel gene	ENSAMXG0000010622
ENSAMXG0000010693	ENSAMXP0000010984	novel gene	ENSAMXG0000010693
ENSAMXG0000010698	ENSAMXP0000010988	novel gene	ENSAMXG0000010698
ENSAMXG0000010791	ENSAMXP0000011080	novel gene	ENSAMXG0000010791
ENSAMXG0000010848	ENSAMXP0000011139	novel gene	ENSAMXG0000010848
ENSAMXG0000010858	ENSAMXP0000011151	novel gene	ENSAMXG0000010858
ENSAMXG0000010943	ENSAMXP0000011240	novel gene	ENSAMXG0000010943
ENSAMXG0000011001	ENSAMXP0000011303	novel gene	ENSAMXG0000011001
ENSAMXG0000011011	ENSAMXP0000011309	novel gene	ENSAMXG0000011011
ENSAMXG0000011030	ENSAMXP0000011339	novel gene	ENSAMXG0000011030
ENSAMXG0000011049	ENSAMXP0000011354	novel gene	ENSAMXG0000011049
ENSAMXG0000011083	ENSAMXP0000011390	novel gene	ENSAMXG0000011083
ENSAMXG0000011086	ENSAMXP0000011395	novel gene	ENSAMXG0000011086
ENSAMXG0000011131	ENSAMXP0000011440	novel gene	ENSAMXG0000011131
ENSAMXG0000011205	ENSAMXP0000011513	novel gene	ENSAMXG0000011205
ENSAMXG0000011217	ENSAMXP0000011524	novel gene	ENSAMXG0000011217
ENSAMXG0000011250	ENSAMXP0000011553	novel gene	ENSAMXG0000011250
ENSAMXG0000011253	ENSAMXP0000011560	novel gene	ENSAMXG0000011253
ENSAMXG0000011303	ENSAMXP0000011607	novel gene	ENSAMXG0000011303
ENSAMXG0000011363	ENSAMXP0000011675	novel gene	ENSAMXG0000011363
ENSAMXG0000011461	ENSAMXP0000011771	novel gene	ENSAMXG0000011461
ENSAMXG0000011818	ENSAMXP0000012150	novel gene	ENSAMXG0000011818
ENSAMXG0000011819	ENSAMXP0000012151	novel gene	ENSAMXG0000011819
ENSAMXG0000011974	ENSAMXP0000012308	novel gene	ENSAMXG0000011974
ENSAMXG0000012106	ENSAMXP0000012450	novel gene	ENSAMXG0000012106
ENSAMXG0000012146	ENSAMXP0000012487	novel gene	ENSAMXG0000012146
ENSAMXG0000012155	ENSAMXP0000012497	novel gene	ENSAMXG0000012155
ENSAMXG0000012190	ENSAMXP0000012533	novel gene	ENSAMXG0000012190
ENSAMXG0000012213	ENSAMXP0000012557	novel gene	ENSAMXG0000012213
ENSAMXG0000012479	ENSAMXP0000012823	novel gene	ENSAMXG0000012479
ENSAMXG0000012518	ENSAMXP0000012872	novel gene	ENSAMXG0000012518
ENSAMXG0000012545	ENSAMXP0000012896	novel gene	ENSAMXG0000012545
ENSAMXG0000012568	ENSAMXP0000012922	novel gene	ENSAMXG0000012568
ENSAMXG0000012600	ENSAMXP0000012947	novel gene	ENSAMXG0000012600
ENSAMXG0000012602	ENSAMXP0000012950	novel gene	ENSAMXG0000012602
ENSAMXG0000012608	ENSAMXP0000012960	novel gene	ENSAMXG0000012608
ENSAMXG0000012693	ENSAMXP0000013046	novel gene	ENSAMXG0000012693
ENSAMXG0000012776	ENSAMXP0000013130	novel gene	ENSAMXG0000012776
ENSAMXG0000012813	ENSAMXP0000013171	novel gene	ENSAMXG0000012813
ENSAMXG0000012882	ENSAMXP0000013241	novel gene	ENSAMXG0000012882
ENSAMXG0000012917	ENSAMXP0000013286	novel gene	ENSAMXG0000012917
ENSAMXG0000012923	ENSAMXP0000013290	novel gene	ENSAMXG0000012923
ENSAMXG0000012925	ENSAMXP0000013292	novel gene	ENSAMXG0000012925
ENSAMXG0000013132	ENSAMXP0000013511	novel gene	ENSAMXG0000013132
ENSAMXG0000013386	ENSAMXP0000013803	novel gene	ENSAMXG0000013386
ENSAMXG0000013827	ENSAMXP0000014228	novel gene	ENSAMXG0000013827
ENSAMXG0000013914	ENSAMXP0000014318	novel gene	ENSAMXG0000013914
ENSAMXG0000013928	ENSAMXP0000014331	novel gene	ENSAMXG0000013928
ENSAMXG0000013933	ENSAMXP0000014333	novel gene	ENSAMXG0000013933
ENSAMXG0000013945	ENSAMXP0000014345	novel gene	ENSAMXG0000013945
ENSAMXG0000013953	ENSAMXP0000014354	novel gene	ENSAMXG0000013953
ENSAMXG0000014018	ENSAMXP0000014423	novel gene	ENSAMXG0000014018
ENSAMXG0000014028	ENSAMXP0000014433	novel gene	ENSAMXG0000014028
ENSAMXG0000014053	ENSAMXP0000014458	novel gene	ENSAMXG0000014053
ENSAMXG0000014077	ENSAMXP0000014480	novel gene	ENSAMXG0000014077
ENSAMXG0000014263	ENSAMXP0000014677	novel gene	ENSAMXG0000014263
ENSAMXG0000014267	ENSAMXP0000014689	novel gene	ENSAMXG0000014267
ENSAMXG0000014421	ENSAMXP0000014834	novel gene	ENSAMXG0000014421
ENSAMXG0000014474	ENSAMXP0000014893	novel gene	ENSAMXG0000014474
ENSAMXG0000014744	ENSAMXP0000015175	novel gene	ENSAMXG0000014744
ENSAMXG0000014748	ENSAMXP0000015179	novel gene	ENSAMXG0000014748

Supplemental table 60. Atlantic cod specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGM0G00000009193	ENSGMOP00000009824	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSGM0G00000012549	ENSGMOP00000013427	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSGM0G00000018759	ENSGMOP00000020151	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSGM0G00000015692	ENSGMOP00000016820	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSGM0G00000013862	ENSGMOP00000014805	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSGM0G00000013853	ENSGMOP00000014788	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSGM0G00000013877	ENSGMOP00000014815	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSGM0G00000007522	ENSGMOP00000008046	apolipoprotein F [Source:ZFIN;Acc:ZDB-GENE-031204-36]	apof
ENSGM0G00000014583	ENSGMOP00000015599	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSGM0G00000013511	ENSGMOP00000014436	Agouti signaling peptide 2 [Source:UniProtKB/TrEMBL;Acc:J3FBV6]	ASIP2
ENSGM0G00000020198	ENSGMOP00000021685	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSGM0G00000016637	ENSGMOP00000017862	BCL2-associated athanogene 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5484]	bag4
ENSGM0G00000016819	ENSGMOP00000018053	Bone gla protein 1 [Source:UniProtKB/TrEMBL;Acc:IGR219]	BGLAP1
ENSGM0G00000005248	ENSGMOP00000005555	Bone gla protein 2 [Source:UniProtKB/TrEMBL;Acc:IGQW19]	BGLAP2
ENSGM0G00000014014	ENSGMOP00000014967	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSGM0G00000005585	ENSGMOP00000005921	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:13796]	C18orf54
ENSGM0G00000020021	ENSGMOP00000021508	cerebellin 20 [Source:ZFIN;Acc:ZDB-GENE-111109-2]	cbln20
ENSGM0G00000002686	ENSGMOP00000002829	coiled-coil domain containing 120 [Source:ZFIN;Acc:ZDB-GENE-061027-93]	ccdc120
ENSGM0G00000016587	ENSGMOP00000017799	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSGM0G00000006706	ENSGMOP00000007137	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	cci-c11b
ENSGM0G00000019140	ENSGMOP00000020587	CD3e molecule, epsilon associated protein [Source:ZFIN;Acc:ZDB-GENE-101202-2]	cd3eap
ENSGM0G00000004557	ENSGMOP00000004838	CD40 ligand [Source:ZFIN;Acc:ZDB-GENE-100727-1]	cd40lg
ENSGM0G00000003007	ENSGMOP00000003165	CD79b molecule, immunoglobulin-associated beta [Source:ZFIN;Acc:ZDB-GENE-121219-1]	cd79b
ENSGM0G00000008940	ENSGMOP00000009560	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSGM0G00000009525	ENSGMOP00000010176	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSGM0G00000005195	ENSGMOP00000005511	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdca9
ENSGM0G00000013030	ENSGMOP00000013930	C-type lectin domain family 4, member A [Source:HGNC Symbol;Acc:HGNC:13257]	CLEC4A
ENSGM0G00000020431	ENSGMOP00000021918	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSGM0G00000019478	ENSGMOP00000020951	collagen, type VIII, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2215]	COL8A1
ENSGM0G00000011271	ENSGMOP00000012043	cytokine receptor family member b1 [Source:ZFIN;Acc:ZDB-GENE-030131-8673]	crfb1
ENSGM0G00000006051	ENSGMOP00000006424	colony stimulating factor 2 receptor, beta, low-affinity [granulocyte-macrophage] [Source:ZFIN;Acc:ZDB-GENE-080115-1]	csf2rb
ENSGM0G00000003112	ENSGMOP00000003267	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGM0G00000007996	ENSGMOP00000008550	DNA-damage-inducible transcript 3 [Source:ZFIN;Acc:ZDB-GENE-070410-90]	ddit3
ENSGM0G00000018616	ENSGMOP00000020004	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSGM0G00000020171	ENSGMOP00000021658	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb2
ENSGM0G00000009329	ENSGMOP00000009963	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:16165]	DSN1
ENSGM0G00000011604	ENSGMOP00000012430	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSGM0G00000001722	ENSGMOP00000001817	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSGM0G00000008575	ENSGMOP00000009172	family with sequence similarity 177, member B [Source:HGNC Symbol;Acc:HGNC:34395]	FAM177B
ENSGM0G00000013167	ENSGMOP00000014080	G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]	GOS2
ENSGM0G00000007658	ENSGMOP00000008191	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSGM0G00000016680	ENSGMOP00000017901	Gonadoliberin [Source:UniProtKB/TrEMBL;Acc:D51G55]	GNRH3
ENSGM0G00000000125	ENSGMOP00000000127	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSGM0G00000010937	ENSGMOP00000011690	interferon phi 1 [Source:ZFIN;Acc:ZDB-GENE-030721-3]	ifnphi1
ENSGM0G00000010557	ENSGMOP00000011310	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSGM0G00000010810	ENSGMOP00000011560	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSGM0G00000011944	ENSGMOP00000012770	im:7152348 [Source:ZFIN;Acc:ZDB-GENE-041111-308]	im:7152348
ENSGM0G00000018312	ENSGMOP00000019701	IQ motif containing K [Source:ZFIN;Acc:ZDB-GENE-081022-109]	iqck
ENSGM0G00000010276	ENSGMOP00000010996	kit ligand a [Source:ZFIN;Acc:ZDB-GENE-070424-1]	kitlga
ENSGM0G00000010838	ENSGMOP00000011599	kit ligand b [Source:ZFIN;Acc:ZDB-GENE-070424-2]	kitlgb
ENSGM0G00000006090	ENSGMOP00000006457	l(3)mbt-like 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090313-102]	l3mbt1
ENSGM0G00000010691	ENSGMOP00000011447	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSGM0G00000004302	ENSGMOP00000004552	leucine rich repeat containing 31 [Source:HGNC Symbol;Acc:HGNC:26261]	LRRC31
ENSGM0G00000005743	ENSGMOP00000006095	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSGM0G00000018816	ENSGMOP00000020198	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A [Source:HGNC Symbol;Acc:HGNC:23145]	MAFA
ENSGM0G00000016192	ENSGMOP00000017375	mal, T-cell differentiation protein [Source:HGNC Symbol;Acc:HGNC:6817]	MAL
ENSGM0G00000012466	ENSGMOP00000013347	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSGM0G00000001978	ENSGMOP00000002109	myristoylated alanine rich protein kinase C substrate a [Source:ZFIN;Acc:ZDB-GENE-050522-145]	marcksa
ENSGM0G00000009130	ENSGMOP00000009762	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSGM0G00000013373	ENSGMOP00000014300	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSGM0G00000020186	ENSGMOP00000021673	major facilitator superfamily domain containing 6-like [Source:ZFIN;Acc:ZDB-GENE-040801-105]	mf5d6l
ENSGM0G00000002134	ENSGMOP00000002289	metadherin a [Source:ZFIN;Acc:ZDB-GENE-030616-615]	mtdha
ENSGM0G00000018533	ENSGMOP00000019943	metadherin b [Source:ZFIN;Acc:ZDB-GENE-090929-2]	mtdhb
ENSGM0G00000003894	ENSGMOP00000004112	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSGM0G00000015262	ENSGMOP00000016331	myc target 1 [Source:ZFIN;Acc:ZDB-GENE-041001-143]	myct1
ENSGM0G00000019428	ENSGMOP00000020898	myc target 1 [Source:HGNC Symbol;Acc:HGNC:23172]	MYCT1
ENSGM0G00000001786	ENSGMOP00000001893	nanog homeobox [Source:ZFIN;Acc:ZDB-GENE-030131-5486]	nanog
ENSGM0G00000018819	ENSGMOP00000020213	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSGM0G00000007226	ENSGMOP00000007702	notch homolog, like [Source:ZFIN;Acc:ZDB-GENE-070220-2]	notchl
ENSGM0G00000007964	ENSGMOP00000008517	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSGM0G00000020268	ENSGMOP00000021755	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSGM0G00000011980	ENSGMOP00000012817	paralemnin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSGM0G00000010923	ENSGMOP00000011686	pre-B-cell leukemia homeobox interacting protein 1a [Source:ZFIN;Acc:ZDB-GENE-060503-871]	pbxip1a
ENSGM0G00000005118	ENSGMOP00000005413	piggyBac transposable element derived 1 [Source:HGNC Symbol;Acc:HGNC:19398]	PGBD1
ENSGM0G00000009254	ENSGMOP00000009883	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSGM0G00000003584	ENSGMOP00000003800	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1

ENSGMOP00000018779	ENSGMOP00000020167	periphilin 1 [Source:ZFIN;Acc:ZDB-GENE-030131-1873]	pphln1
ENSGMOP00000018782	ENSGMOP00000020168	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	pppr126
ENSGMOP00000010482	ENSGMOP00000011213	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSGMOP00000010147	ENSGMOP00000010871	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSGMOP00000013663	ENSGMOP00000014605	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnprs3
ENSGMOP00000005540	ENSGMOP00000005879	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSGMOP00000000086	ENSGMOP00000000086	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSGMOP00000011379	ENSGMOP00000012166	proline rich 7 (synaptic) [Source:HGNC Symbol;Acc:HGNC:28130]	PRR7
ENSGMOP00000008384	ENSGMOP00000008974	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSGMOP00000015400	ENSGMOP00000016501	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSGMOP00000002510	ENSGMOP00000002644	RCSD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28310]	RCSD1
ENSGMOP000000008853	ENSGMOP00000009462	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSGMOP00000020394	ENSGMOP00000021881	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSGMOP000000004957	ENSGMOP00000005231	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSGMOP000000020418	ENSGMOP000000021905	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSGMOP00000014858	ENSGMOP00000015919	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSGMOP00000002297	ENSGMOP00000002453	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSGMOP00000001977	ENSGMOP00000002096	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSGMOP00000007435	ENSGMOP00000007945	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSGMOP00000006929	ENSGMOP00000007366	si:ch211-133f5.8 [Source:ZFIN;Acc:ZDB-GENE-081104-118]	si:ch211-133f5.8
ENSGMOP00000000104	ENSGMOP00000000106	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSGMOP00000007181	ENSGMOP00000007652	si:ch211-149e23.4 [Source:ZFIN;Acc:ZDB-GENE-131121-606]	si:ch211-149e23.4
ENSGMOP00000019072	ENSGMOP00000020513	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSGMOP000000003991	ENSGMOP00000004218	si:ch211-150e23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150e23.2
ENSGMOP00000011464	ENSGMOP00000012254	si:ch211-153f6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153f6.6
ENSGMOP00000008234	ENSGMOP00000008809	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSGMOP000000009630	ENSGMOP00000010287	si:ch211-180a12.2 [Source:ZFIN;Acc:ZDB-GENE-121214-236]	si:ch211-180a12.2
ENSGMOP000000001408	ENSGMOP00000001462	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSGMOP00000015227	ENSGMOP00000016295	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSGMOP00000001847	ENSGMOP00000001959	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSGMOP00000001989	ENSGMOP000000021386	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSGMOP00000005988	ENSGMOP00000006357	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSGMOP00000004391	ENSGMOP00000004655	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSGMOP000000020363	ENSGMOP000000021850	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSGMOP00000006332	ENSGMOP00000006722	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSGMOP000000012905	ENSGMOP00000013805	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSGMOP000000011443	ENSGMOP00000012233	si:ch211-222k6.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9038]	si:ch211-222k6.2
ENSGMOP00000003220	ENSGMOP00000003387	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSGMOP000000007536	ENSGMOP00000008066	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSGMOP000000016104	ENSGMOP00000017270	si:ch211-227p7.1 [Source:ZFIN;Acc:ZDB-GENE-041210-224]	si:ch211-227p7.1
ENSGMOP00000018959	ENSGMOP00000020374	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSGMOP000000011801	ENSGMOP00000012621	si:ch211-252f13.5 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch211-252f13.5
ENSGMOP000000019673	ENSGMOP000000021160	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGMOP000000020099	ENSGMOP000000021586	si:ch211-256m1.8 [Source:ZFIN;Acc:ZDB-GENE-131127-417]	si:ch211-256m1.8
ENSGMOP000000012915	ENSGMOP00000013810	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSGMOP000000009519	ENSGMOP00000010167	si:ch211-286c4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-232]	si:ch211-286c4.6
ENSGMOP000000019239	ENSGMOP000000020690	si:ch211-79k12.1 [Source:ZFIN;Acc:ZDB-GENE-080303-9]	si:ch211-79k12.1
ENSGMOP000000020388	ENSGMOP000000021874	si:ch211-89o9.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7155]	si:ch211-89o9.6
ENSGMOP000000003291	ENSGMOP00000003467	si:ch73-127m5.2 [Source:ZFIN;Acc:ZDB-GENE-030131-1052]	si:ch73-127m5.2
ENSGMOP000000015746	ENSGMOP00000016880	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSGMOP000000005170	ENSGMOP00000005469	si:ch73-211i3.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211i3.2
ENSGMOP000000017703	ENSGMOP00000019030	si:ch73-265d7.2 [Source:ZFIN;Acc:ZDB-GENE-100922-146]	si:ch73-265d7.2
ENSGMOP000000010265	ENSGMOP00000010981	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSGMOP00000018989	ENSGMOP000000020413	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSGMOP000000011904	ENSGMOP00000012731	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSGMOP000000007656	ENSGMOP00000008194	si:dkey-112e17.1 [Source:ZFIN;Acc:ZDB-GENE-060526-193]	si:dkey-112e17.1
ENSGMOP00000019449	ENSGMOP00000020921	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSGMOP000000019794	ENSGMOP000000021281	si:dkey-11f4.20 [Source:ZFIN;Acc:ZDB-GENE-070912-359]	si:dkey-11f4.20
ENSGMOP000000005625	ENSGMOP00000005968	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSGMOP00000013586	ENSGMOP00000014520	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSGMOP000000001951	ENSGMOP00000002075	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSGMOP000000018570	ENSGMOP00000019965	si:dkey-17e16.8 [Source:ZFIN;Acc:ZDB-GENE-091204-248]	si:dkey-17e16.8
ENSGMOP000000008962	ENSGMOP00000009573	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSGMOP000000005490	ENSGMOP00000005834	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSGMOP000000007440	ENSGMOP00000007954	si:dkey-193c22.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7957]	si:dkey-193c22.1
ENSGMOP00000010360	ENSGMOP00000011085	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSGMOP000000010478	ENSGMOP00000011209	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSGMOP000000016931	ENSGMOP00000018174	si:dkey-22f5.9 [Source:ZFIN;Acc:ZDB-GENE-091204-260]	si:dkey-22f5.9
ENSGMOP000000000428	ENSGMOP000000000428	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSGMOP000000016095	ENSGMOP00000017254	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSGMOP000000006579	ENSGMOP00000007008	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSGMOP000000005723	ENSGMOP00000006075	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSGMOP000000009127	ENSGMOP00000009753	si:dkey-26h11.1 [Source:ZFIN;Acc:ZDB-GENE-120709-74]	si:dkey-26h11.1
ENSGMOP0000000004305	ENSGMOP00000004580	si:dkey-28n18.9 [Source:ZFIN;Acc:ZDB-GENE-131127-205]	si:dkey-28n18.9
ENSGMOP000000005964	ENSGMOP00000006329	si:dkey-34f9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-410]	si:dkey-34f9.3
ENSGMOP000000019800	ENSGMOP000000021287	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSGMOP000000017776	ENSGMOP00000019111	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSGMOP000000011482	ENSGMOP00000012272	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSGMOP00000007086	ENSGMOP00000007539	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1

ENSGM0G00000011924	ENSGMOP00000012751	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSGM0G00000019613	ENSGMOP00000021095	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSGM0G00000019826	ENSGMOP00000021313	si:dkey-7i6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-586]	si:dkey-7i6.3
ENSGM0G00000018539	ENSGMOP00000019932	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSGM0G00000008021	ENSGMOP00000008587	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSGM0G00000000934	ENSGMOP00000000947	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSGM0G00000014785	ENSGMOP00000015822	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSGM0G00000011452	ENSGMOP00000012239	si:dkeyp-113d7.10 [Source:ZFIN;Acc:ZDB-GENE-061207-80]	si:dkeyp-113d7.10
ENSGM0G00000012188	ENSGMOP00000013058	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSGM0G00000002360	ENSGMOP00000002491	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSGM0G00000015052	ENSGMOP00000016136	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSGM0G00000006583	ENSGMOP00000006992	si:rp71-7711.1 [Source:ZFIN;Acc:ZDB-GENE-131121-141]	si:rp71-7711.1
ENSGM0G00000013735	ENSGMOP00000014684	si:zf05-1762d12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1188]	si:zf05-1762d12.1
ENSGM0G00000008362	ENSGMOP00000008946	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	snac5
ENSGM0G00000015159	ENSGMOP00000016212	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4l
ENSGM0G00000009309	ENSGMOP00000009942	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSGM0G00000003260	ENSGMOP00000003442	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSGM0G00000003861	ENSGMOP00000004083	TRAF family member-associated NFkB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSGM0G00000010248	ENSGMOP00000010964	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	tas2r200.2
ENSGM0G00000020496	ENSGMOP00000021983	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tceb2
ENSGM0G00000005764	ENSGMOP00000006116	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSGM0G00000015761	ENSGMOP00000016908	TRF1 (TRF1)-interacting nuclear factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-6168]	tinf2
ENSGM0G00000001425	ENSGMOP00000001491	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSGM0G00000007682	ENSGMOP00000008217	transmembrane protein 176l.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3532]	tmem176l.4
ENSGM0G00000000829	ENSGMOP00000000844	VGF nerve growth factor inducible [Source:ZFIN;Acc:ZDB-GENE-121009-2]	vgf
ENSGM0G00000000024	ENSGMOP00000000028	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSGM0G00000018614	ENSGMOP00000020012	wu:fc19g04 [Source:ZFIN;Acc:ZDB-GENE-030131-2853]	wu:fc19g04
ENSGM0G00000000033	ENSGMOP00000000036	wu:fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu:fj29h11
ENSGM0G00000000929	ENSGMOP00000000944	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSGM0G00000013470	ENSGMOP00000014400	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSGM0G00000007637	ENSGMOP00000008172	zgc:112982 [Source:ZFIN;Acc:ZDB-GENE-050306-55]	zgc:112982
ENSGM0G00000005190	ENSGMOP00000005491	zgc:113019 [Source:ZFIN;Acc:ZDB-GENE-050417-449]	zgc:113019
ENSGM0G00000007945	ENSGMOP00000008494	zgc:113263 [Source:ZFIN;Acc:ZDB-GENE-050306-34]	zgc:113263
ENSGM0G00000008245	ENSGMOP00000008820	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSGM0G00000009252	ENSGMOP00000009881	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSGM0G00000001299	ENSGMOP00000001372	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSGM0G00000020038	ENSGMOP00000021525	zgc:158343 [Source:ZFIN;Acc:ZDB-GENE-061201-9]	zgc:158343
ENSGM0G00000013159	ENSGMOP00000014079	zgc:158398 [Source:ZFIN;Acc:ZDB-GENE-070820-3]	zgc:158398
ENSGM0G00000004591	ENSGMOP00000004865	zgc:161969 [Source:ZFIN;Acc:ZDB-GENE-030131-2597]	zgc:161969
ENSGM0G00000008473	ENSGMOP00000009066	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSGM0G00000004960	ENSGMOP00000005253	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSGM0G00000019856	ENSGMOP00000021342	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSGM0G00000008027	ENSGMOP00000008591	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSGM0G00000005848	ENSGMOP00000006227	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSGM0G00000017044	ENSGMOP00000018293	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSGM0G00000010904	ENSGMOP00000011649	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSGM0G00000006345	ENSGMOP00000006740	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSGM0G00000010089	ENSGMOP00000010781	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSGM0G00000003841	ENSGMOP00000004070	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	ZNF576
ENSGM0G00000000013	ENSGMOP00000000016	novel gene	ENSGM0G00000000013
ENSGM0G00000000030	ENSGMOP00000000034	novel gene	ENSGM0G00000000030
ENSGM0G00000000066	ENSGMOP00000000065	novel gene	ENSGM0G00000000066
ENSGM0G00000000078	ENSGMOP00000000078	novel gene	ENSGM0G00000000078
ENSGM0G00000000094	ENSGMOP00000000099	novel gene	ENSGM0G00000000094
ENSGM0G00000000130	ENSGMOP00000000130	novel gene	ENSGM0G00000000130
ENSGM0G00000000144	ENSGMOP00000000144	novel gene	ENSGM0G00000000144
ENSGM0G00000000149	ENSGMOP00000000149	novel gene	ENSGM0G00000000149
ENSGM0G00000000159	ENSGMOP00000000158	novel gene	ENSGM0G00000000159
ENSGM0G00000000205	ENSGMOP00000000205	novel gene	ENSGM0G00000000205
ENSGM0G00000000219	ENSGMOP00000000222	novel gene	ENSGM0G00000000219
ENSGM0G00000000293	ENSGMOP00000000297	novel gene	ENSGM0G00000000293
ENSGM0G00000000323	ENSGMOP00000000318	novel gene	ENSGM0G00000000323
ENSGM0G00000000361	ENSGMOP00000000348	novel gene	ENSGM0G00000000361
ENSGM0G00000000382	ENSGMOP00000000367	novel gene	ENSGM0G00000000382
ENSGM0G00000000423	ENSGMOP00000000410	novel gene	ENSGM0G00000000423
ENSGM0G00000000562	ENSGMOP00000000545	novel gene	ENSGM0G00000000562
ENSGM0G00000000556	ENSGMOP00000000549	novel gene	ENSGM0G00000000556
ENSGM0G00000000583	ENSGMOP00000000562	novel gene	ENSGM0G00000000583
ENSGM0G00000000597	ENSGMOP00000000574	novel gene	ENSGM0G00000000597
ENSGM0G00000000607	ENSGMOP00000000587	novel gene	ENSGM0G00000000607
ENSGM0G00000000633	ENSGMOP00000000617	novel gene	ENSGM0G00000000633
ENSGM0G00000000636	ENSGMOP00000000619	novel gene	ENSGM0G00000000636
ENSGM0G00000000640	ENSGMOP00000000621	novel gene	ENSGM0G00000000640
ENSGM0G00000000700	ENSGMOP00000000690	novel gene	ENSGM0G00000000700
ENSGM0G00000000708	ENSGMOP00000000697	novel gene	ENSGM0G00000000708
ENSGM0G00000000773	ENSGMOP00000000775	novel gene	ENSGM0G00000000773
ENSGM0G00000000826	ENSGMOP00000000824	novel gene	ENSGM0G00000000826
ENSGM0G00000000839	ENSGMOP00000000854	novel gene	ENSGM0G00000000839
ENSGM0G00000000938	ENSGMOP00000000952	novel gene	ENSGM0G00000000938

ENSGMOP00000020438	ENSGMOP00000021925	novel gene	ENSGMOP00000020438
ENSGMOP00000020448	ENSGMOP00000021935	novel gene	ENSGMOP00000020448
ENSGMOP00000020454	ENSGMOP00000021941	novel gene	ENSGMOP00000020454
ENSGMOP00000020455	ENSGMOP00000021942	novel gene	ENSGMOP00000020455
ENSGMOP00000020476	ENSGMOP00000021963	novel gene	ENSGMOP00000020476
ENSGMOP00000020486	ENSGMOP00000021973	novel gene	ENSGMOP00000020486
ENSGMOP00000020492	ENSGMOP00000021979	novel gene	ENSGMOP00000020492
ENSGMOP00000020493	ENSGMOP00000021980	novel gene	ENSGMOP00000020493
ENSGMOP00000020502	ENSGMOP00000021989	novel gene	ENSGMOP00000020502
ENSGMOP00000020513	ENSGMOP00000022000	novel gene	ENSGMOP00000020513
ENSGMOP00000020517	ENSGMOP00000022004	novel gene	ENSGMOP00000020517
ENSGMOP00000020518	ENSGMOP00000022005	novel gene	ENSGMOP00000020518
ENSGMOP00000020522	ENSGMOP00000022009	novel gene	ENSGMOP00000020522
ENSGMOP00000020537	ENSGMOP00000022024	novel gene	ENSGMOP00000020537
ENSGMOP00000020539	ENSGMOP00000022026	novel gene	ENSGMOP00000020539
ENSGMOP00000020541	ENSGMOP00000022028	novel gene	ENSGMOP00000020541
ENSGMOP00000020542	ENSGMOP00000022029	novel gene	ENSGMOP00000020542
ENSGMOP00000020546	ENSGMOP00000022033	novel gene	ENSGMOP00000020546
ENSGMOP00000020547	ENSGMOP00000022034	novel gene	ENSGMOP00000020547
ENSGMOP00000020552	ENSGMOP00000022039	novel gene	ENSGMOP00000020552
ENSGMOP00000020554	ENSGMOP00000022041	novel gene	ENSGMOP00000020554
ENSGMOP00000020556	ENSGMOP00000022043	novel gene	ENSGMOP00000020556
ENSGMOP00000020579	ENSGMOP00000022066	novel gene	ENSGMOP00000020579
ENSGMOP00000020593	ENSGMOP00000022080	novel gene	ENSGMOP00000020593
ENSGMOP00000020595	ENSGMOP00000022082	novel gene	ENSGMOP00000020595
ENSGMOP00000020596	ENSGMOP00000022083	novel gene	ENSGMOP00000020596
ENSGMOP00000020602	ENSGMOP00000022089	novel gene	ENSGMOP00000020602
ENSGMOP00000020604	ENSGMOP00000022091	novel gene	ENSGMOP00000020604

Supplemental table 61. Fugu specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTRUG00000011816	ENSTRUP00000029844	Takifugu rubripes adrenomedullin-5 (adm5), mRNA. [Source:RefSeq mRNA;Acc:NM_001032741]	ADM5
ENSTRUG0000004315	ENSTRUP00000010226	Takifugu rubripes 14kDa apolipoprotein (apo14kDa), mRNA. [Source:RefSeq mRNA;Acc:NM_001032716]	AP014KDA
ENSTRUG0000002453	ENSTRUP00000005680	Takifugu rubripes agouti signaling protein 2 (asip2), mRNA. [Source:RefSeq mRNA;Acc:NM_001098564]	asip2
ENSTRUG00000008805	ENSTRUP00000022123	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSTRUG00000001714	ENSTRUP00000003934	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSTRUG00000002323	ENSTRUP00000005336	Bone Gla protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q804T8]	BGP
ENSTRUG00000000579	ENSTRUP00000001383	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C11orf88
ENSTRUG00000017532	ENSTRUP000000044940	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSTRUG00000015411	ENSTRUP000000039401	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc11
ENSTRUG00000010854	ENSTRUP000000027426	Takifugu rubripes T-cell surface glycoprotein CD4 (cd4), mRNA. [Source:RefSeq mRNA;Acc:NM_001078623]	CD4
ENSTRUG00000007005	ENSTRUP000000017208	CD74 molecule, major histocompatibility complex, class II invariant chain b [Source:ZFIN;Acc:ZDB-GENE-990910-10]	cd74b
ENSTRUG00000014906	ENSTRUP000000038110	Takifugu rubripes T-cell surface glycoprotein CD8alpha (cd8alpha), mRNA. [Source:RefSeq mRNA;Acc:NM_001078618]	CD8ALPHA
ENSTRUG00000014897	ENSTRUP000000038072	Takifugu rubripes T-cell surface glycoprotein CD8beta (cd8beta), mRNA. [Source:RefSeq mRNA;Acc:NM_001110005]	cd8beta
ENSTRUG00000005337	ENSTRUP000000012801	CD99 molecule [Source:ZFIN;Acc:ZDB-GENE-061103-391]	cd99
ENSTRUG00000008868	ENSTRUP000000022291	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSTRUG00000004003	ENSTRUP000000009486	Takifugu rubripes C-type natriuretic peptide-3 (cnp-3), mRNA. [Source:RefSeq mRNA;Acc:NM_001032736]	cnp-3
ENSTRUG00000002424	ENSTRUP000000005616	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSTRUG00000005572	ENSTRUP000000013427	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSTRUG00000014126	ENSTRUP000000036138	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSTRUG00000007395	ENSTRUP000000018279	hairy and enhancer of split related-7 [Source:ZFIN;Acc:ZDB-GENE-000427-6]	her7
ENSTRUG00000012244	ENSTRUP000000031000	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSTRUG00000002420	ENSTRUP000000005596	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSTRUG00000011762	ENSTRUP000000029695	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSTRUG00000013746	ENSTRUP000000035108	Takifugu rubripes interleukin 15 (il15), mRNA. [Source:RefSeq mRNA;Acc:NM_001033048]	IL15
ENSTRUG00000002243	ENSTRUP000000005143	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSTRUG00000012448	ENSTRUP000000031535	Takifugu rubripes interleukin-18 (il-18), mRNA. [Source:RefSeq mRNA;Acc:NM_001032632]	il-18
ENSTRUG00000008720	ENSTRUP000000021900	Takifugu rubripes interleukin-2 precursor (il-2), mRNA. [Source:RefSeq mRNA;Acc:NM_001037994]	il-2
ENSTRUG00000008731	ENSTRUP000000021928	Takifugu rubripes interleukin-21 (il-21), mRNA. [Source:RefSeq mRNA;Acc:NM_001037993]	IL-21
ENSTRUG00000000248	ENSTRUP000000000540	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSTRUG00000008735	ENSTRUP000000021935	Takifugu rubripes interleukin-6 (il-6), mRNA. [Source:RefSeq mRNA;Acc:NM_001032722]	IL6
ENSTRUG00000017883	ENSTRUP000000045861	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2V9H1]	ISG12
ENSTRUG00000015803	ENSTRUP000000040379	leukocyte receptor cluster (LRC) member 1 [Source:ZFIN;Acc:ZDB-GENE-040912-159]	leng1
ENSTRUG00000013373	ENSTRUP000000034085	Takifugu rubripes leptin (lep), mRNA. [Source:RefSeq mRNA;Acc:NM_001032725]	LEP
ENSTRUG00000012413	ENSTRUP000000031435	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSTRUG00000012289	ENSTRUP000000031124	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSTRUG00000008907	ENSTRUP000000022394	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTRUG00000007975	ENSTRUP000000019861	myc target 1 [Source:HGNC Symbol;Acc:HGNC:23172]	MYCT1
ENSTRUG000000006570	ENSTRUP000000016131	Neurofibromatosis type 1 neurofibromin; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q918U3]	NF1
ENSTRUG00000003304	ENSTRUP000000007723	novel immune-type receptor 12 [Source:ZFIN;Acc:ZDB-GENE-041001-1]	nitr12
ENSTRUG00000014929	ENSTRUP000000038162	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSTRUG00000002295	ENSTRUP000000005278	nucleolar protein 7 [Source:ZFIN;Acc:ZDB-GENE-030131-9100]	no17
ENSTRUG000000004010	ENSTRUP000000009502	Takifugu rubripes atrial natriuretic peptide (nppa), mRNA. [Source:RefSeq mRNA;Acc:NM_001032565]	NPPA
ENSTRUG00000000954	ENSTRUP00000002258	Takifugu rubripes B-type natriuretic peptide (nppb), mRNA. [Source:RefSeq mRNA;Acc:NM_001032688]	NPPB
ENSTRUG00000003303	ENSTRUP000000007722	poly(A) binding protein interacting protein 2B [Source:HGNC Symbol;Acc:HGNC:29200]	PAIP2B
ENSTRUG00000010742	ENSTRUP000000027101	pre-B-cell leukemia homeobox interacting protein 1a [Source:ZFIN;Acc:ZDB-GENE-060503-871]	pbxip1a
ENSTRUG00000006435	ENSTRUP000000015750	pre-B-cell leukemia homeobox interacting protein 1b [Source:ZFIN;Acc:ZDB-GENE-070112-2032]	pbxip1b
ENSTRUG00000004437	ENSTRUP00000010552	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSTRUG00000011250	ENSTRUP000000028402	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSTRUG00000006651	ENSTRUP000000016346	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSTRUG00000016701	ENSTRUP000000042735	Takifugu rubripes prion protein 2 (prp2), mRNA. [Source:RefSeq mRNA;Acc:NM_001078641]	PRP2
ENSTRUG00000015852	ENSTRUP000000040514	Takifugu rubripes RFamide-related peptide (rfrp), mRNA. [Source:RefSeq mRNA;Acc:NM_001098645]	rfrp
ENSTRUG000000004687	ENSTRUP000000011130	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rapz4
ENSTRUG00000015997	ENSTRUP000000040902	Squamous-cell carcinoma T-cell-recognized antigen; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9DF65]	SART1
ENSTRUG00000009840	ENSTRUP000000024725	Takifugu rubripes secretory calcium-binding phosphoprotein 1 (scpp1), mRNA. [Source:RefSeq mRNA;Acc:NM_001037849]	SCPP1
ENSTRUG00000010164	ENSTRUP000000025588	Takifugu rubripes secretory calcium-binding phosphoprotein 2 (scpp2), mRNA. [Source:RefSeq mRNA;Acc:NM_001037851]	scpp2
ENSTRUG00000003596	ENSTRUP000000008439	Takifugu rubripes secretory calcium-binding phosphoprotein 3a (scpp3a), mRNA. [Source:RefSeq mRNA;Acc:NM_001037853]	scpp3a
ENSTRUG00000010211	ENSTRUP000000025713	Takifugu rubripes secretory calcium-binding phosphoprotein 3b (scpp3b), mRNA. [Source:RefSeq mRNA;Acc:NM_001037854]	SCPP3B
ENSTRUG00000010197	ENSTRUP000000025680	Takifugu rubripes secretory calcium-binding phosphoprotein 3c (scpp3c), mRNA. [Source:RefSeq mRNA;Acc:NM_001037855]	scpp3c
ENSTRUG00000010217	ENSTRUP000000025730	Takifugu rubripes secretory calcium-binding phosphoprotein 4 (scpp4), mRNA. [Source:RefSeq mRNA;Acc:NM_001037856]	scpp4
ENSTRUG00000010241	ENSTRUP000000025804	Takifugu rubripes secretory calcium-binding phosphoprotein 5 (scpp5), mRNA. [Source:RefSeq mRNA;Acc:NM_001037857]	SCPP5
ENSTRUG00000011119	ENSTRUP000000028068	syndecan 4 [Source:ZFIN;Acc:ZDB-GENE-061111-1]	sdca4
ENSTRUG00000004227	ENSTRUP000000010013	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSTRUG00000015506	ENSTRUP000000039654	si:ch1073-385f13.3 [Source:ZFIN;Acc:ZDB-GENE-131127-357]	si:ch1073-385f13.3
ENSTRUG00000018359	ENSTRUP000000046983	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSTRUG00000013923	ENSTRUP000000035610	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSTRUG00000002230	ENSTRUP000000005112	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSTRUG00000001567	ENSTRUP000000038744	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSTRUG00000006151	ENSTRUP000000014957	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSTRUG000000008476	ENSTRUP000000021222	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSTRUG000000008694	ENSTRUP000000021831	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSTRUG00000003220	ENSTRUP000000007544	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSTRUG000000009611	ENSTRUP000000024151	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSTRUG00000001986	ENSTRUP000000004577	si:dkey-4c23.5 [Source:ZFIN;Acc:ZDB-GENE-050208-349]	si:dkey-4c23.5
ENSTRUG00000012210	ENSTRUP000000030927	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSTRUG000000007776	ENSTRUP000000019323	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSTRUG00000005889	ENSTRUP000000014341	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1

ENSTRUG00000006710	ENSTRUP00000016493	Shadow 2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q58DX4]	SPRNB
ENSTRUG00000009338	ENSTRUP00000023495	Takifugu rubripes taste receptor, type 2, member 1 (tas2r1), mRNA. [Source:RefSeq mRNA;Acc:NM_001078602]	tas2r1
ENSTRUG00000001598	ENSTRUP00000003693	TERF1 (TRF1)-interacting nuclear factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-6168]	tinf2
ENSTRUG000000012969	ENSTRUP000000032899	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSTRUG000000003568	ENSTRUP00000008374	transmembrane protein 218 [Source:ZFIN;Acc:ZDB-GENE-040426-1232]	tmem218
ENSTRUG000000006012	ENSTRUP000000014625	Takifugu rubripes tumor necrosis factor beta (tnfb), mRNA. [Source:RefSeq mRNA;Acc:NM_001037986]	tnfb
ENSTRUG000000013721	ENSTRUP000000035037	Takifugu rubripes urotensin II (uui), mRNA. [Source:RefSeq mRNA;Acc:NM_001078617]	Uii
ENSTRUG000000003997	ENSTRUP00000009476	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSTRUG000000017212	ENSTRUP000000044107	wu:fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu:fj29h11
ENSTRUG000000002711	ENSTRUP000000006319	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSTRUG000000016538	ENSTRUP000000042279	zgc:113263 [Source:ZFIN;Acc:ZDB-GENE-050306-34]	zgc:113263
ENSTRUG000000016859	ENSTRUP000000043198	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSTRUG000000012864	ENSTRUP000000032578	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSTRUG000000010372	ENSTRUP000000026113	zgc:161969 [Source:ZFIN;Acc:ZDB-GENE-030131-2597]	zgc:161969
ENSTRUG000000011434	ENSTRUP000000028872	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSTRUG000000000746	ENSTRUP00000001794	novel gene	ENSTRUG000000000746
ENSTRUG000000001463	ENSTRUP000000003363	novel gene	ENSTRUG000000001463
ENSTRUG000000004297	ENSTRUP000000010185	novel gene	ENSTRUG000000004297
ENSTRUG000000007093	ENSTRUP000000017417	novel gene	ENSTRUG000000007093
ENSTRUG000000007988	ENSTRUP000000019887	novel gene	ENSTRUG000000007988

Supplemental table 62. Coelacanth specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLACG0000001421	ENSLACP0000001592	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSLACG00000022688	ENSLACP00000023658	ATP synthase protein 8 [Source:UniProtKB/Swiss-Prot;Acc:O03168]	ATP8
ENSLACG00000022675	ENSLACP00000022759	CD99 molecule [Source:HGNC Symbol;Acc:HGNC:7082]	CD99
ENSLACG00000022396	ENSLACP00000023522	collagen, type IX, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2217]	COL9A1
ENSLACG00000009397	ENSLACP00000010668	integrin-binding sialoprotein [Source:HGNC Symbol;Acc:HGNC:5341]	IBSP
ENSLACG00000022329	ENSLACP00000023067	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]	KIAA0040
ENSLACG00000005495	ENSLACP00000006197	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3A976]	LACH-UX-02
ENSLACG00000005918	ENSLACP00000006673	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSLACG00000010167	ENSLACP00000011555	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSLACG00000016683	ENSLACP00000018963	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSLACG00000018081	ENSLACP00000020573	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSLACG00000004304	ENSLACP00000004840	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSLACG00000017473	ENSLACP00000019873	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSLACG00000009151	ENSLACP00000010389	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSLACG00000008160	ENSLACP00000009248	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSLACG00000001895	ENSLACP00000002119	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSLACG00000009457	ENSLACP00000010741	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSLACG00000018671	ENSLACP00000021250	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSLACG00000017441	ENSLACP00000019836	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSLACG00000017893	ENSLACP00000020364	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSLACG00000017838	ENSLACP00000020297	si:dkey-112e17.1 [Source:ZFIN;Acc:ZDB-GENE-060526-193]	si:dkey-112e17.1
ENSLACG00000014396	ENSLACP00000016339	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSLACG00000011721	ENSLACP00000013312	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSLACG00000002251	ENSLACP00000002521	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSLACG00000016948	ENSLACP00000019266	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSLACG00000016222	ENSLACP00000018419	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSLACG00000009252	ENSLACP00000010502	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSLACG00000001807	ENSLACP00000002022	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSLACG00000008906	ENSLACP00000010103	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSLACG000000013583	ENSLACP00000015428	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSLACG00000001226	ENSLACP00000001366	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSLACG00000003926	ENSLACP00000004415	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSLACG000000015727	ENSLACP00000017853	UBA-like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29576]	UBALD1
ENSLACG00000003247	ENSLACP00000003645	wu:fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu:fj29h11
ENSLACG00000010593	ENSLACP00000012034	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSLACG000000002341	ENSLACP00000023099	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSLACG00000000019	ENSLACP00000000025	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSLACG000000022259	ENSLACP00000022382	zgc:152863 [Source:ZFIN;Acc:ZDB-GENE-061103-463]	zgc:152863
ENSLACG000000015344	ENSLACP00000017419	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSLACG00000022632	ENSLACP00000022656	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSLACG00000006748	ENSLACP00000007615	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSLACG000000000002	ENSLACP00000000003	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRI2]	ENSLACG000000000002
ENSLACG000000000003	ENSLACP00000000004	novel gene	ENSLACG000000000003
ENSLACG000000000006	ENSLACP00000000006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRI5]	ENSLACG000000000006
ENSLACG000000000008	ENSLACP00000000009	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRI7]	ENSLACG000000000008
ENSLACG000000000039	ENSLACP00000000045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRM4]	ENSLACG000000000039
ENSLACG000000000051	ENSLACP00000000058	Metallothionein [Source:UniProtKB/TrEMBL;Acc:H2ZRN7]	ENSLACG000000000051
ENSLACG000000000074	ENSLACP00000000085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRR4]	ENSLACG000000000074
ENSLACG000000000090	ENSLACP00000000103	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRT2]	ENSLACG000000000090
ENSLACG000000000097	ENSLACP00000000110	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRT9]	ENSLACG000000000097
ENSLACG000000000144	ENSLACP00000000161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRZ0]	ENSLACG000000000144
ENSLACG000000000152	ENSLACP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZRT8]	ENSLACG000000000152
ENSLACG000000000215	ENSLACP00000000238	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZS67]	ENSLACG000000000215
ENSLACG000000000321	ENSLACP00000000355	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSI4]	ENSLACG000000000321
ENSLACG000000000326	ENSLACP00000000360	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSI9]	ENSLACG000000000326
ENSLACG000000000351	ENSLACP00000000391	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSM0]	ENSLACG000000000351
ENSLACG000000000379	ENSLACP00000000423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSQ2]	ENSLACG000000000379
ENSLACG000000000404	ENSLACP00000000451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSS9]	ENSLACG000000000404
ENSLACG000000000450	ENSLACP00000000505	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZSV4]	ENSLACG000000000450
ENSLACG000000000508	ENSLACP00000000573	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT52]	ENSLACG000000000508
ENSLACG000000000519	ENSLACP00000000585	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZT64]	ENSLACG000000000519
ENSLACG000000000554	ENSLACP00000000622	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTA1]	ENSLACG000000000554
ENSLACG000000000570	ENSLACP00000000640	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTB9]	ENSLACG000000000570
ENSLACG000000000571	ENSLACP00000000641	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTC0]	ENSLACG000000000571
ENSLACG000000000625	ENSLACP00000000699	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTH8]	ENSLACG000000000625
ENSLACG000000000644	ENSLACP00000000719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTJ8]	ENSLACG000000000644
ENSLACG000000000655	ENSLACP00000000730	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTK9]	ENSLACG000000000655
ENSLACG000000000676	ENSLACP00000000754	Uncharacterized protein	ENSLACG000000000676
ENSLACG000000000739	ENSLACP00000000825	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTV4]	ENSLACG000000000739
ENSLACG000000000766	ENSLACP00000000852	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZTY1]	ENSLACG000000000766
ENSLACG000000000805	ENSLACP00000000895	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZU24]	ENSLACG000000000805
ENSLACG000000000828	ENSLACP00000000927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZU56]	ENSLACG000000000828
ENSLACG000000000844	ENSLACP00000000945	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZU74]	ENSLACG000000000844
ENSLACG000000000854	ENSLACP00000000956	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZU85]	ENSLACG000000000854
ENSLACG000000000872	ENSLACP00000000975	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUA4]	ENSLACG000000000872
ENSLACG000000000878	ENSLACP00000000982	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2ZUB1]	ENSLACG000000000878

Supplemental table 63. Medaka specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSORLG00000018537	ENSORLP00000023182	alpha-2-HS-glycoprotein [Source:ZFIN;Acc:ZDB-GENE-041114-50]	ahsg
ENSORLG00000006668	ENSORLP00000008368	adrenomedullin 5 precursor [Source:RefSeq peptide;Acc:NP_001098363]	AM5
ENSORLG00000013172	ENSORLP00000016510	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSORLG00000017936	ENSORLP00000022448	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSORLG00000000538	ENSORLP00000000662	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSORLG00000013999	ENSORLP00000017546	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSORLG00000001646	ENSORLP00000002043	apolipoprotein F [Source:ZFIN;Acc:ZDB-GENE-031204-36]	apof
ENSORLG00000013428	ENSORLP00000016839	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSORLG00000001766	ENSORLP00000002196	amphiregulin [Source:HGNC Symbol;Acc:HGNC:651]	AREG
ENSORLG00000012637	ENSORLP00000015833	BCL2-associated athanogene 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5484]	bag4
ENSORLG00000004316	ENSORLP00000005406	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSORLG00000012489	ENSORLP00000015635	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSORLG00000019429	ENSORLP00000024184	Oryzias latipes B-type natriuretic peptide precursor (bnp), mRNA. [Source:RefSeq mRNA;Acc:NM_001104685]	BNP
ENSORLG00000015762	ENSORLP00000019740	budding uninhibited by benzimidazoles 1 homolog beta a [Source:ZFIN;Acc:ZDB-GENE-041014-120]	but1ba
ENSORLG00000017095	ENSORLP00000021389	chromosome 15 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:33488]	C15orf52
ENSORLG00000008522	ENSORLP00000010703	calpastatin [Source:ZFIN;Acc:ZDB-GENE-050810-2]	cast
ENSORLG00000008537	ENSORLP00000010720	calpastatin [Source:HGNC Symbol;Acc:HGNC:1515]	CAST
ENSORLG00000020293	ENSORLP00000025164	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSORLG00000017073	ENSORLP00000021359	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	ccl-c11b
ENSORLG00000008514	ENSORLP00000010686	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSORLG00000020644	ENSORLP00000025571	CD99 molecule [Source:ZFIN;Acc:ZDB-GENE-061103-391]	cd99
ENSORLG00000009754	ENSORLP00000012234	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSORLG00000009877	ENSORLP00000012389	chromogranin B [Source:ZFIN;Acc:ZDB-GENE-070705-268]	chgb
ENSORLG00000019574	ENSORLP00000024353	Oryzias latipes C-type natriuretic peptide-2 (cnp-2), mRNA. [Source:RefSeq mRNA;Acc:NM_001104682]	CNP-2
ENSORLG00000001387	ENSORLP00000001712	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSORLG00000010501	ENSORLP00000013158	colony stimulating factor 1b (macrophage) [Source:ZFIN;Acc:ZDB-GENE-061215-106]	csf1b
ENSORLG00000007979	ENSORLP00000010009	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSORLG00000006713	ENSORLP00000008428	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSORLG00000008134	ENSORLP00000010211	FK506 binding protein like [Source:HGNC Symbol;Acc:HGNC:13949]	FKBP
ENSORLG00000014247	ENSORLP00000017869	Oryzias latipes prepro-gonadotropin-releasing hormone (gnrh1), mRNA. [Source:RefSeq mRNA;Acc:NM_001104699]	GNRH1
ENSORLG00000005824	ENSORLP00000007327	Oryzias latipes prepro-gonadotropin-releasing hormone (gnrh3), mRNA. [Source:RefSeq mRNA;Acc:NM_001104672]	gnrh3
ENSORLG00000016162	ENSORLP00000020223	hairy and enhancer of split related-7 [Source:ZFIN;Acc:ZDB-GENE-000427-6]	her7
ENSORLG00000011036	ENSORLP00000013842	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSORLG00000017224	ENSORLP00000021553	Putative ISG12(1) protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6IEB2]	ISG12
ENSORLG00000009612	ENSORLP00000012052	Oryzias latipes leptin (lepa), mRNA. [Source:RefSeq mRNA;Acc:NM_001104720]	LEPA
ENSORLG00000008148	ENSORLP00000010229	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSORLG00000005646	ENSORLP00000007098	microtubule-associated protein 9 [Source:ZFIN;Acc:ZDB-GENE-080225-36]	map9
ENSORLG00000017569	ENSORLP00000021978	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSORLG00000014159	ENSORLP00000017760	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSORLG00000008888	ENSORLP00000011149	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSORLG00000015580	ENSORLP00000019508	Oryzias latipes metallothionein (LOC100049397), mRNA. [Source:RefSeq mRNA;Acc:NM_001104785]	MT
ENSORLG00000000357	ENSORLP00000000434	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSORLG00000019048	ENSORLP00000023755	Oryzias latipes novel immune-type receptor 14 (nitr14), mRNA. [Source:RefSeq mRNA;Acc:NM_001130394]	nitr14
ENSORLG00000000367	ENSORLP00000000451	Oryzias latipes novel immune-type receptor 20 (nitr20), mRNA. [Source:RefSeq mRNA;Acc:NM_001137599]	nitr20
ENSORLG00000000381	ENSORLP00000000468	novel immune-type receptor 22 precursor [Source:RefSeq peptide;Acc:NP_001131072]	nitr22
ENSORLG00000009303	ENSORLP00000011667	neurotrophin 5 [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSORLG00000004908	ENSORLP00000006177	neuropeptide FF-amide peptide precursor like [Source:ZFIN;Acc:ZDB-GENE-030806-1]	npff
ENSORLG00000006190	ENSORLP00000007784	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSORLG00000007638	ENSORLP00000009572	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSORLG00000000477	ENSORLP00000000583	pre-B-cell leukemia homeobox interacting protein 1b [Source:ZFIN;Acc:ZDB-GENE-070112-2032]	pbxip1b
ENSORLG00000012897	ENSORLP00000016156	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSORLG00000003585	ENSORLP00000004461	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSORLG00000013661	ENSORLP00000017134	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSORLG00000010807	ENSORLP00000013554	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSORLG00000013095	ENSORLP00000016414	periphilin 1 [Source:ZFIN;Acc:ZDB-GENE-030131-1873]	pphiln1
ENSORLG00000009036	ENSORLP00000011330	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSORLG00000002820	ENSORLP00000003516	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnrs3
ENSORLG00000017191	ENSORLP00000021508	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSORLG00000015813	ENSORLP00000019805	RAD51 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-050419-96]	rad51ap1
ENSORLG00000006718	ENSORLP00000008433	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSORLG00000020218	ENSORLP00000025075	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSORLG00000016327	ENSORLP00000020439	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSORLG00000016332	ENSORLP00000020447	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSORLG00000009596	ENSORLP00000012025	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSORLG00000019321	ENSORLP00000024059	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSORLG00000011997	ENSORLP00000015021	Oryzias latipes selenoprotein J (selj), mRNA. [Source:RefSeq mRNA;Acc:NM_001193492]	selj
ENSORLG00000003865	ENSORLP00000004823	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSORLG00000012002	ENSORLP00000015029	si:busm1-57f23.1 [Source:ZFIN;Acc:ZDB-GENE-030616-512]	si:busm1-57f23.1
ENSORLG00000001617	ENSORLP00000002008	si:ch1073-385f13.3 [Source:ZFIN;Acc:ZDB-GENE-131127-357]	si:ch1073-385f13.3
ENSORLG00000008108	ENSORLP00000010176	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSORLG00000006523	ENSORLP00000008187	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSORLG00000012256	ENSORLP00000015334	si:ch211-120g10.1 [Source:ZFIN;Acc:ZDB-GENE-130531-56]	si:ch211-120g10.1
ENSORLG00000014572	ENSORLP00000018267	si:ch211-122i24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122i24.4
ENSORLG00000011936	ENSORLP00000014952	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSORLG00000019808	ENSORLP00000024607	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSORLG00000015663	ENSORLP00000019612	si:ch211-149p10.2 [Source:ZFIN;Acc:ZDB-GENE-060503-762]	si:ch211-149p10.2

ENSORLG00000001733	ENSORLP00000002153	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSORLG00000005769	ENSORLP00000007250	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSORLG00000006663	ENSORLP00000008362	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSORLG00000009338	ENSORLP00000011709	si:ch211-161h7.5 [Source:ZFIN;Acc:ZDB-GENE-091204-265]	si:ch211-161h7.5
ENSORLG00000006342	ENSORLP00000007966	si:ch211-180a12.2 [Source:ZFIN;Acc:ZDB-GENE-121214-236]	si:ch211-180a12.2
ENSORLG000000019174	ENSORLP000000023894	si:ch211-194m7.5 [Source:ZFIN;Acc:ZDB-GENE-120709-88]	si:ch211-194m7.5
ENSORLG00000006466	ENSORLP00000008113	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSORLG00000008817	ENSORLP00000011069	si:ch211-197h24.6 [Source:ZFIN;Acc:ZDB-GENE-030131-1361]	si:ch211-197h24.6
ENSORLG000000001216	ENSORLP00000001497	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSORLG00000016489	ENSORLP00000020643	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSORLG00000001409	ENSORLP00000001744	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSORLG00000015462	ENSORLP00000019357	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSORLG00000009186	ENSORLP00000011521	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSORLG00000012253	ENSORLP00000015331	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSORLG00000017246	ENSORLP00000021579	si:ch211-240l19.5 [Source:ZFIN;Acc:ZDB-GENE-041210-327]	si:ch211-240l19.5
ENSORLG00000005110	ENSORLP00000006445	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSORLG00000011949	ENSORLP00000014972	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENSORLG00000010641	ENSORLP00000013343	si:ch211-256m1.8 [Source:ZFIN;Acc:ZDB-GENE-131127-417]	si:ch211-256m1.8
ENSORLG00000013469	ENSORLP00000016896	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSORLG00000016414	ENSORLP00000020548	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSORLG00000014667	ENSORLP00000018381	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSORLG00000005550	ENSORLP00000006986	si:ch211-66e2.5 [Source:ZFIN;Acc:ZDB-GENE-131121-180]	si:ch211-66e2.5
ENSORLG00000018209	ENSORLP00000022805	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSORLG00000014093	ENSORLP00000017671	si:ch211-79k12.1 [Source:ZFIN;Acc:ZDB-GENE-080303-9]	si:ch211-79k12.1
ENSORLG00000002539	ENSORLP00000003158	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSORLG00000003482	ENSORLP00000004334	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSORLG00000002145	ENSORLP00000002664	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSORLG00000017706	ENSORLP00000022159	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSORLG00000012977	ENSORLP00000016261	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSORLG00000001314	ENSORLP00000001615	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSORLG00000003335	ENSORLP00000004142	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSORLG00000003232	ENSORLP00000004027	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSORLG00000008362	ENSORLP00000010503	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSORLG00000007410	ENSORLP00000009289	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSORLG00000018208	ENSORLP00000022803	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSORLG00000002881	ENSORLP00000003598	si:dkey-17e16.17 [Source:ZFIN;Acc:ZDB-GENE-091204-161]	si:dkey-17e16.17
ENSORLG00000010416	ENSORLP00000013051	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSORLG00000008500	ENSORLP00000010674	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSORLG00000008728	ENSORLP00000010958	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSORLG00000003105	ENSORLP00000003866	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSORLG00000016678	ENSORLP00000020865	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSORLG00000006372	ENSORLP00000008002	si:dkey-238d18.4 [Source:ZFIN;Acc:ZDB-GENE-131121-307]	si:dkey-238d18.4
ENSORLG00000016352	ENSORLP00000020472	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSORLG00000007493	ENSORLP00000009395	si:dkey-282h22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-220]	si:dkey-282h22.5
ENSORLG00000012408	ENSORLP00000015528	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSORLG00000010861	ENSORLP00000013621	si:dkey-35m8.1 [Source:ZFIN;Acc:ZDB-GENE-060526-296]	si:dkey-35m8.1
ENSORLG00000003531	ENSORLP00000004397	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSORLG00000013781	ENSORLP00000017282	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSORLG00000013940	ENSORLP00000017477	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSORLG00000000930	ENSORLP00000001133	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSORLG00000018825	ENSORLP00000023507	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSORLG00000014652	ENSORLP00000018364	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSORLG00000010963	ENSORLP00000013748	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSORLG00000010392	ENSORLP00000013020	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSORLG00000014543	ENSORLP00000018230	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSORLG00000009461	ENSORLP00000011855	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSORLG00000002163	ENSORLP00000002690	si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85]	si:dkey-88n24.5
ENSORLG00000004198	ENSORLP00000005256	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSORLG00000019634	ENSORLP00000024416	si:dkeyp-113d7.10 [Source:ZFIN;Acc:ZDB-GENE-061207-80]	si:dkeyp-113d7.10
ENSORLG00000001973	ENSORLP00000002457	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSORLG00000015334	ENSORLP00000019203	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSORLG00000001612	ENSORLP00000001999	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSORLG00000015294	ENSORLP00000019155	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSORLG00000005686	ENSORLP00000007148	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSORLG00000005069	ENSORLP00000006387	si:dkeyp-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkeyp-72g9.4
ENSORLG00000012996	ENSORLP00000016287	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSORLG00000001121	ENSORLP00000001384	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSORLG00000009572	ENSORLP00000012002	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSORLG00000019809	ENSORLP00000024608	Oryzias latipes alpha-2,3-sialyltransferase ST3Gal II (siat5.1), mRNA. [Source:RefSeq mRNA;Acc:NM_001105099]	siat5.1
ENSORLG00000005045	ENSORLP00000006357	Oryzias latipes suppressor of cytokine signaling 9 (socs9), mRNA. [Source:RefSeq mRNA;Acc:NM_001122926]	socs9
ENSORLG00000009108	ENSORLP00000011424	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4
ENSORLG000000020900	ENSORLP00000025880	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spcp1
ENSORLG00000009029	ENSORLP00000011323	Shadoo 2 protein Sho2; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BDK4]	SPRNB
ENSORLG000000001177	ENSORLP00000001445	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSORLG00000019158	ENSORLP000000023876	somatostatin 1, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-100910-2]	sst1.2
ENSORLG00000007492	ENSORLP00000009392	Tachykinin 3; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2LTH3]	TAC3
ENSORLG000000001223	ENSORLP00000001505	Oryzias latipes tributyltin-binding protein type 1 (tbt-bp1), mRNA. [Source:RefSeq mRNA;Acc:NM_001201521]	tbt-bp1
ENSORLG000000002210	ENSORLP00000002626	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tee2
ENSORLG00000008176	ENSORLP00000010267	transmembrane protein 100 [Source:HGNC Symbol;Acc:HGNC:25607]	TMEM100

ENSORL00000007766	ENSORLP00000009725	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSORL00000002255	ENSORLP00000002797	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSORL00000008997	ENSORLP00000011279	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSORL00000013031	ENSORLP00000016327	Transposon Tol2 DNA; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q98971]	TPASE
ENSORL00000013310	ENSORLP00000016689	Oryzias latipes transformer 2a (tra2a), mRNA. [Source:RefSeq mRNA;Acc:NM_001104708]	tra2a
ENSORL00000014391	ENSORLP00000018039	TMF1-regulated nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:34348]	TRNP1
ENSORL00000013890	ENSORLP00000017414	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSORL00000019500	ENSORLP00000024261	VCP-interacting membrane protein [Source:ZFIN;Acc:ZDB-GENE-060804-1]	vimp
ENSORL00000008874	ENSORLP00000011131	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSORL00000004827	ENSORLP00000006074	WAP four-disulfide core domain 2 [Source:ZFIN;Acc:ZDB-GENE-090313-47]	wfdc2
ENSORL00000013618	ENSORLP00000017082	wu: fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu: fj29h11
ENSORL00000008022	ENSORLP00000010064	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSORL00000014298	ENSORLP00000017928	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSORL00000017529	ENSORLP00000021931	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSORL00000003706	ENSORLP00000004618	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSORL00000015855	ENSORLP00000019856	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSORL00000017093	ENSORLP00000021386	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSORL00000016252	ENSORLP00000020348	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSORL00000000443	ENSORLP00000000542	zgc:162356 [Source:ZFIN;Acc:ZDB-GENE-090507-1]	zgc:162356
ENSORL00000007486	ENSORLP00000009385	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSORL00000018503	ENSORLP00000023143	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSORL00000002720	ENSORLP00000003390	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSORL00000008448	ENSORLP00000010611	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSORL00000002776	ENSORLP00000003463	zgc:66443 [Source:ZFIN;Acc:ZDB-GENE-040426-2945]	zgc:66443
ENSORL00000013284	ENSORLP00000016645	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSORL00000006382	ENSORLP00000008020	zinc finger protein 185 (LIM domain) [Source:HGNC Symbol;Acc:HGNC:12976]	ZNF185
ENSORL00000007267	ENSORLP00000009112	zinc finger protein 750 [Source:ZFIN;Acc:ZDB-GENE-050417-313]	znf750
ENSORL00000015942	ENSORLP00000019956	zona pellucida protein C [Source:ZFIN;Acc:ZDB-GENE-040824-1]	zpcx
ENSORL00000000004	ENSORLP00000000005	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2R0]	ENSORL00000000004
ENSORL00000000014	ENSORLP00000000017	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S2]	ENSORL00000000014
ENSORL00000000018	ENSORLP00000000020	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2S4]	ENSORL00000000018
ENSORL00000000032	ENSORLP00000000040	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2U2]	ENSORL00000000032
ENSORL00000000082	ENSORLP00000000097	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L2Z3]	ENSORL00000000082
ENSORL00000000121	ENSORLP00000000150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L343]	ENSORL00000000121
ENSORL00000000124	ENSORLP00000000153	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L346]	ENSORL00000000124
ENSORL00000000127	ENSORLP00000000156	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L349]	ENSORL00000000127
ENSORL00000000132	ENSORLP00000000161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L353]	ENSORL00000000132
ENSORL00000000139	ENSORLP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L360]	ENSORL00000000139
ENSORL00000000142	ENSORLP00000000172	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L362]	ENSORL00000000142
ENSORL00000000157	ENSORLP00000000189	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L378]	ENSORL00000000157
ENSORL00000000167	ENSORLP00000000202	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L391]	ENSORL00000000167
ENSORL00000000170	ENSORLP00000000205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L393]	ENSORL00000000170
ENSORL00000000206	ENSORLP00000000252	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3D4]	ENSORL00000000206
ENSORL00000000215	ENSORLP00000000266	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3E8]	ENSORL00000000215
ENSORL00000000237	ENSORLP00000000291	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3H0]	ENSORL00000000237
ENSORL00000000257	ENSORLP00000000317	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3J4]	ENSORL00000000257
ENSORL00000000263	ENSORLP00000000323	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3W1]	ENSORL00000000263
ENSORL00000000308	ENSORLP00000000376	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3P9]	ENSORL00000000308
ENSORL00000000340	ENSORLP00000000412	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3T2]	ENSORL00000000340
ENSORL00000000362	ENSORLP00000000441	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3W1]	ENSORL00000000362
ENSORL00000000373	ENSORLP00000000457	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3X7]	ENSORL00000000373
ENSORL00000000387	ENSORLP00000000473	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L3Z3]	ENSORL00000000387
ENSORL00000000404	ENSORLP00000000497	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E1]	ENSORL00000000404
ENSORL00000000407	ENSORLP00000000501	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L421]	ENSORL00000000407
ENSORL00000000414	ENSORLP00000000510	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L429]	ENSORL00000000414
ENSORL00000000419	ENSORLP00000000516	Oryzias latipes uncharacterized LOC100049343 (LOC100049343), mRNA. [Source:RefSeq mRNA;Acc:NM_001104757]	ENSORL00000000419
ENSORL00000000422	ENSORLP00000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L437]	ENSORL00000000422
ENSORL00000000431	ENSORLP00000000532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L450]	ENSORL00000000431
ENSORL00000000444	ENSORLP00000000547	Uncharacterized protein	ENSORL00000000444
ENSORL00000000448	ENSORLP00000000552	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L469]	ENSORL00000000448
ENSORL00000000456	ENSORLP00000000562	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L478]	ENSORL00000000456
ENSORL00000000473	ENSORLP00000000579	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L493]	ENSORL00000000473
ENSORL00000000504	ENSORLP00000000617	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4C7]	ENSORL00000000504
ENSORL00000000512	ENSORLP00000000627	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E2]	ENSORL00000000512
ENSORL00000000517	ENSORLP00000000633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E2]	ENSORL00000000517
ENSORL00000000516	ENSORLP00000000634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E3]	ENSORL00000000516
ENSORL00000000519	ENSORLP00000000637	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4E6]	ENSORL00000000519
ENSORL00000000525	ENSORLP00000000645	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4F4]	ENSORL00000000525
ENSORL00000000535	ENSORLP00000000659	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4G8]	ENSORL00000000535
ENSORL00000000537	ENSORLP00000000661	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4H0]	ENSORL00000000537
ENSORL00000000543	ENSORLP00000000667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4H5]	ENSORL00000000543
ENSORL00000000573	ENSORLP00000000703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4K8]	ENSORL00000000573
ENSORL00000000579	ENSORLP00000000710	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4L5]	ENSORL00000000579
ENSORL00000000596	ENSORLP00000000733	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4N7]	ENSORL00000000596
ENSORL00000000597	ENSORLP00000000736	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4P0]	ENSORL00000000597
ENSORL00000000667	ENSORLP00000000824	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4W9]	ENSORL00000000667
ENSORL00000000670	ENSORLP00000000826	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4X1]	ENSORL00000000670
ENSORL00000000673	ENSORLP00000000827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4X2]	ENSORL00000000673
ENSORL00000000684	ENSORLP00000000845	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H2L4Z0]	ENSORL00000000684

ENSORLG00000020563	ENSORLP00000025473	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N207]	ENSORLG00000020563
ENSORLG00000020566	ENSORLP00000025475	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N209]	ENSORLG00000020566
ENSORLG00000020568	ENSORLP00000025477	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N210]	ENSORLG00000020568
ENSORLG00000020581	ENSORLP00000025493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N224]	ENSORLG00000020581
ENSORLG00000020586	ENSORLP00000025498	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N229]	ENSORLG00000020586
ENSORLG00000020589	ENSORLP00000025503	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N234]	ENSORLG00000020589
ENSORLG00000020594	ENSORLP00000025507	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N237]	ENSORLG00000020594
ENSORLG00000020603	ENSORLP00000025522	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N250]	ENSORLG00000020603
ENSORLG00000020623	ENSORLP00000025545	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N272]	ENSORLG00000020623
ENSORLG00000020630	ENSORLP00000025552	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N278]	ENSORLG00000020630
ENSORLG00000020642	ENSORLP00000025569	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N293]	ENSORLG00000020642
ENSORLG00000020668	ENSORLP00000025602	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2C3]	ENSORLG00000020668
ENSORLG00000020709	ENSORLP00000025649	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N129]	ENSORLG00000020709
ENSORLG00000020710	ENSORLP00000025650	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2G6]	ENSORLG00000020710
ENSORLG00000020720	ENSORLP00000025660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2H4]	ENSORLG00000020720
ENSORLG00000020728	ENSORLP00000025671	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2I2]	ENSORLG00000020728
ENSORLG00000020743	ENSORLP00000025691	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2K3]	ENSORLG00000020743
ENSORLG00000020748	ENSORLP00000025696	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2K8]	ENSORLG00000020748
ENSORLG00000020749	ENSORLP00000025697	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2K9]	ENSORLG00000020749
ENSORLG00000020751	ENSORLP00000025698	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2L0]	ENSORLG00000020751
ENSORLG00000020757	ENSORLP00000025705	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2L7]	ENSORLG00000020757
ENSORLG00000020760	ENSORLP00000025708	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2L8]	ENSORLG00000020760
ENSORLG00000020764	ENSORLP00000025717	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2M8]	ENSORLG00000020764
ENSORLG00000020767	ENSORLP00000025723	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2N4]	ENSORLG00000020767
ENSORLG00000020768	ENSORLP00000025724	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2N5]	ENSORLG00000020768
ENSORLG00000020774	ENSORLP00000025730	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2P1]	ENSORLG00000020774
ENSORLG00000020776	ENSORLP00000025732	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2P3]	ENSORLG00000020776
ENSORLG00000020782	ENSORLP00000025737	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2P8]	ENSORLG00000020782
ENSORLG00000020810	ENSORLP00000025769	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2S9]	ENSORLG00000020810
ENSORLG00000020814	ENSORLP00000025774	Myosin heavy chain-like protein; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q90XZ9]	ENSORLG00000020814
ENSORLG00000020824	ENSORLP00000025787	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2U7]	ENSORLG00000020824
ENSORLG00000020834	ENSORLP00000025802	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2W1]	ENSORLG00000020834
ENSORLG00000020855	ENSORLP00000025829	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2Y6]	ENSORLG00000020855
ENSORLG00000020857	ENSORLP00000025831	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N2Y8]	ENSORLG00000020857
ENSORLG00000020886	ENSORLP00000025862	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H2N313]	ENSORLG00000020886

Supplemental table 64. Platyfish specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSXMAG00000011862	ENSXMAP00000011878	ATP-binding cassette, sub-family H, member 1 [Source:ZFIN;Acc:ZDB-GENE-050517-42]	abch1
ENSXMAG00000008459	ENSXMAP00000008477	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSXMAG00000019473	ENSXMAP00000019520	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSXMAG00000016329	ENSXMAP00000016351	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSXMAG00000013581	ENSXMAP00000013608	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apl
ENSXMAG00000009127	ENSXMAP00000009141	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSXMAG00000018597	ENSXMAP00000018636	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSXMAG00000018593	ENSXMAP00000018631	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSXMAG00000008040	ENSXMAP00000008056	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSXMAG00000020801	ENSXMAP00000020460	ATP synthase F0 subunit 8 (mitochondrion) [Source:RefSeq peptide;Acc:YP_002286779]	ATP8
ENSXMAG00000020284	ENSXMAP00000020331	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSXMAG00000006267	ENSXMAP00000006283	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSXMAG00000006022	ENSXMAP00000006037	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSXMAG00000019785	ENSXMAP00000019832	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C11orf87
ENSXMAG00000013072	ENSXMAP00000013094	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C11orf88
ENSXMAG00000012899	ENSXMAP00000012922	chromosome 19 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:24991]	C19orf53
ENSXMAG00000003357	ENSXMAP00000003365	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	ccl-c11b
ENSXMAG00000016870	ENSXMAP00000016901	CD74 molecule, major histocompatibility complex, class II invariant chain b [Source:ZFIN;Acc:ZDB-GENE-990910-10]	cd74b
ENSXMAG00000002137	ENSXMAP00000002139	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSXMAG00000018870	ENSXMAP00000018899	CD99 molecule [Source:ZFIN;Acc:ZDB-GENE-061103-391]	cd99
ENSXMAG00000008495	ENSXMAP00000008516	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdca9
ENSXMAG00000009887	ENSXMAP00000009900	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSXMAG00000019686	ENSXMAP00000019733	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crnb3
ENSXMAG00000005725	ENSXMAP00000005733	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSXMAG00000010622	ENSXMAP00000010644	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSXMAG00000007650	ENSXMAP00000007671	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defbl1
ENSXMAG00000012763	ENSXMAP00000012786	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defbl2
ENSXMAG00000006958	ENSXMAP00000006965	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSXMAG00000004402	ENSXMAP00000004409	emerin (Emery-Dreifuss muscular dystrophy) [Source:ZFIN;Acc:ZDB-GENE-070501-2]	emd
ENSXMAG00000011291	ENSXMAP00000011310	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSXMAG00000009837	ENSXMAP00000009857	family with sequence similarity 184, member 8 [Source:ZFIN;Acc:ZDB-GENE-090313-380]	fam184b
ENSXMAG00000012710	ENSXMAP00000012732	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSXMAG00000004668	ENSXMAP00000004672	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSXMAG00000008968	ENSXMAP00000008986	hypocretin (orexin) neuropeptide precursor [Source:ZFIN;Acc:ZDB-GENE-040324-1]	hcrt
ENSXMAG00000010430	ENSXMAP00000010447	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSXMAG00000004743	ENSXMAP00000004739	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSXMAG00000016571	ENSXMAP00000016600	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSXMAG00000016739	ENSXMAP00000016768	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSXMAG00000002616	ENSXMAP00000002614	heat shock protein, alpha-crystallin-related, 9 [Source:ZFIN;Acc:ZDB-GENE-080214-6]	hspb9
ENSXMAG00000013968	ENSXMAP00000013992	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSXMAG00000020100	ENSXMAP00000020146	interferon induced transmembrane protein 5 [Source:ZFIN;Acc:ZDB-GENE-030131-8970]	ifitm5
ENSXMAG00000011627	ENSXMAP00000011645	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSXMAG00000013435	ENSXMAP00000013460	interleukin 21 receptor [Source:ZFIN;Acc:ZDB-GENE-080108-6]	il21r
ENSXMAG00000017513	ENSXMAP00000017547	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSXMAG00000007719	ENSXMAP00000007742	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSXMAG00000018169	ENSXMAP00000018205	LYR motif containing 7 [Source:HGNC Symbol;Acc:HGNC:28072]	LYRM7
ENSXMAG00000001378	ENSXMAP00000001360	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSXMAG00000016819	ENSXMAP00000016847	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A [Source:HGNC Symbol;Acc:HGNC:23145]	MAFA
ENSXMAG00000010232	ENSXMAP00000010250	MAP7 domain containing 2b [Source:ZFIN;Acc:ZDB-GENE-091118-82]	map7d2b
ENSXMAG00000018746	ENSXMAP00000018785	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSXMAG00000000412	ENSXMAP00000000404	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSXMAG00000007049	ENSXMAP00000007065	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	miba
ENSXMAG00000015464	ENSXMAP00000015482	myc target 1 [Source:HGNC Symbol;Acc:HGNC:23172]	MYCT1
ENSXMAG00000016450	ENSXMAP00000016481	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSXMAG00000018612	ENSXMAP00000018648	notch homolog, like [Source:ZFIN;Acc:ZDB-GENE-070220-2]	notchl
ENSXMAG00000017674	ENSXMAP00000017709	neuropeptide FF-amide peptide precursor like [Source:ZFIN;Acc:ZDB-GENE-030806-1]	npffl
ENSXMAG00000020237	ENSXMAP00000020284	neurogranin (protein kinase C substrate, RC3) a [Source:ZFIN;Acc:ZDB-GENE-090710-4]	nrnga
ENSXMAG00000005905	ENSXMAP00000005918	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSXMAG00000019480	ENSXMAP00000019527	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSXMAG00000016832	ENSXMAP00000016859	Purkinje cell protein 4b [Source:ZFIN;Acc:ZDB-GENE-031118-117]	pcp4b
ENSXMAG00000016629	ENSXMAP00000016653	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSXMAG00000013240	ENSXMAP00000013268	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	PLIN3
ENSXMAG00000019524	ENSXMAP00000019571	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSXMAG00000012021	ENSXMAP00000012035	protein phosphatase 1, regulatory subunit 35 [Source:HGNC Symbol;Acc:HGNC:28320]	PPP1R35
ENSXMAG00000019565	ENSXMAP00000019612	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSXMAG00000014839	ENSXMAP00000014863	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnp3
ENSXMAG00000015263	ENSXMAP00000015284	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSXMAG00000019536	ENSXMAP00000019583	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSXMAG00000015126	ENSXMAP00000015154	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSXMAG00000013434	ENSXMAP00000013458	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSXMAG00000019517	ENSXMAP00000019563	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSXMAG00000020380	ENSXMAP00000020427	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSXMAG00000014820	ENSXMAP00000014842	S100 calcium binding protein U [Source:ZFIN;Acc:ZDB-GENE-030131-3121]	s100u
ENSXMAG00000006285	ENSXMAP00000006298	S100 calcium binding protein V1 [Source:ZFIN;Acc:ZDB-GENE-080407-1]	s100v1
ENSXMAG00000008524	ENSXMAP00000008536	S100 calcium binding protein V2 [Source:ZFIN;Acc:ZDB-GENE-030131-8909]	s100v2
ENSXMAG00000008562	ENSXMAP00000008575	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1

ENSXMAG00000014509	ENSXMAP00000014532	si:busm1-57f23.1 [Source:ZFIN;Acc:ZDB-GENE-030616-512]	si:busm1-57f23.1
ENSXMAG00000008536	ENSXMAP00000008550	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSXMAG00000012944	ENSXMAP00000012967	si:ch1073-296i8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-9]	si:ch1073-296i8.2
ENSXMAG0000001264	ENSXMAP0000001251	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSXMAG00000020024	ENSXMAP00000020071	si:ch1073-385f13.3 [Source:ZFIN;Acc:ZDB-GENE-131127-357]	si:ch1073-385f13.3
ENSXMAG00000002763	ENSXMAP00000002759	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSXMAG00000013053	ENSXMAP00000013075	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSXMAG00000010476	ENSXMAP00000010494	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSXMAG00000019244	ENSXMAP00000019286	si:ch211-122l24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122l24.4
ENSXMAG00000013794	ENSXMAP00000013824	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSXMAG00000019832	ENSXMAP00000019879	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSXMAG00000003178	ENSXMAP00000003181	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSXMAG00000013590	ENSXMAP00000013620	si:ch211-149p10.2 [Source:ZFIN;Acc:ZDB-GENE-060503-762]	si:ch211-149p10.2
ENSXMAG00000013024	ENSXMAP00000013044	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSXMAG00000007647	ENSXMAP00000007668	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSXMAG00000010858	ENSXMAP00000010880	si:ch211-153l6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153l6.6
ENSXMAG00000017438	ENSXMAP00000017468	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSXMAG00000004196	ENSXMAP00000004196	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSXMAG00000009551	ENSXMAP00000009567	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSXMAG00000020195	ENSXMAP00000020242	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSXMAG00000008508	ENSXMAP00000008526	si:ch211-163b2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-502]	si:ch211-163b2.4
ENSXMAG00000014643	ENSXMAP00000014666	si:ch211-175f12.2 [Source:ZFIN;Acc:ZDB-GENE-110411-220]	si:ch211-175f12.2
ENSXMAG00000013792	ENSXMAP00000013823	si:ch211-180a12.2 [Source:ZFIN;Acc:ZDB-GENE-121214-236]	si:ch211-180a12.2
ENSXMAG00000014998	ENSXMAP00000015012	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSXMAG00000016006	ENSXMAP00000016038	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSXMAG00000004269	ENSXMAP00000004273	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSXMAG00000006039	ENSXMAP00000006053	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSXMAG00000003171	ENSXMAP00000003175	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSXMAG00000003384	ENSXMAP00000003392	si:ch211-199g17.9 [Source:ZFIN;Acc:ZDB-GENE-120214-17]	si:ch211-199g17.9
ENSXMAG00000008831	ENSXMAP00000008843	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSXMAG00000020130	ENSXMAP00000020177	si:ch211-208h7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6110]	si:ch211-208h7.4
ENSXMAG00000019666	ENSXMAP00000019713	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSXMAG00000001244	ENSXMAP00000001233	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSXMAG00000013709	ENSXMAP00000013733	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSXMAG00000011718	ENSXMAP00000011737	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSXMAG00000009260	ENSXMAP00000009275	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENSXMAG00000018070	ENSXMAP00000018097	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSXMAG00000012155	ENSXMAP00000012166	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSXMAG00000004621	ENSXMAP00000004624	si:ch211-238e22.2 [Source:ZFIN;Acc:ZDB-GENE-041210-346]	si:ch211-238e22.2
ENSXMAG00000018591	ENSXMAP00000018626	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSXMAG0000001560	ENSXMAP0000001556	si:ch211-24o10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-24o10.6
ENSXMAG00000003788	ENSXMAP00000003796	si:ch211-252f13.5 [Source:ZFIN;Acc:ZDB-GENE-131121-629]	si:ch211-252f13.5
ENSXMAG00000018322	ENSXMAP00000018355	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSXMAG00000009743	ENSXMAP00000009760	si:ch211-266g18.10 [Source:ZFIN;Acc:ZDB-GENE-131127-188]	si:ch211-266g18.10
ENSXMAG00000014048	ENSXMAP00000014072	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSXMAG00000007756	ENSXMAP00000007773	si:ch211-274p24.4 [Source:ZFIN;Acc:ZDB-GENE-091204-337]	si:ch211-274p24.4
ENSXMAG00000002963	ENSXMAP00000002967	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSXMAG00000002865	ENSXMAP00000002869	si:ch211-51h9.7 [Source:ZFIN;Acc:ZDB-GENE-081104-235]	si:ch211-51h9.7
ENSXMAG00000005104	ENSXMAP00000005114	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSXMAG00000017159	ENSXMAP00000017189	si:ch73-127m5.2 [Source:ZFIN;Acc:ZDB-GENE-030131-1052]	si:ch73-127m5.2
ENSXMAG00000014182	ENSXMAP00000014197	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSXMAG00000012544	ENSXMAP00000012556	si:ch73-211i13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211i13.2
ENSXMAG00000019843	ENSXMAP00000019890	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSXMAG00000007465	ENSXMAP00000007484	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSXMAG00000012076	ENSXMAP00000012092	si:ch73-366i1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366i1.5
ENSXMAG00000016383	ENSXMAP00000016407	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSXMAG00000015872	ENSXMAP00000015901	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSXMAG00000003830	ENSXMAP00000003836	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSXMAG00000012432	ENSXMAP00000012447	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSXMAG00000018533	ENSXMAP00000018568	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSXMAG00000003901	ENSXMAP00000003907	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSXMAG00000014395	ENSXMAP00000014414	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSXMAG00000018425	ENSXMAP00000018462	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSXMAG00000007461	ENSXMAP00000007478	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSXMAG00000019953	ENSXMAP00000020000	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSXMAG00000014977	ENSXMAP00000014994	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSXMAG00000019323	ENSXMAP00000019369	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSXMAG00000010506	ENSXMAP00000010525	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSXMAG00000007694	ENSXMAP00000007715	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSXMAG00000007161	ENSXMAP00000007170	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSXMAG00000018794	ENSXMAP00000018826	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSXMAG00000012310	ENSXMAP00000012322	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSXMAG00000019636	ENSXMAP00000019683	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSXMAG00000012723	ENSXMAP00000012745	si:dkey-282h22.5 [Source:ZFIN;Acc:ZDB-GENE-091204-220]	si:dkey-282h22.5
ENSXMAG00000020257	ENSXMAP00000020304	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSXMAG00000002292	ENSXMAP00000002291	si:dkey-28n18.9 [Source:ZFIN;Acc:ZDB-GENE-131127-205]	si:dkey-28n18.9
ENSXMAG00000004498	ENSXMAP00000004497	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSXMAG00000004556	ENSXMAP00000004556	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSXMAG00000019920	ENSXMAP00000019966	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1

ENSXMAG0000002070	ENSXMAP0000002068	si:dkey-34f9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-410]	si:dkey-34f9.3
ENSXMAG00000017643	ENSXMAP00000017676	si:dkey-42i9.8 [Source:ZFIN;Acc:ZDB-GENE-050208-412]	si:dkey-42i9.8
ENSXMAG00000019942	ENSXMAP00000019988	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSXMAG00000012275	ENSXMAP00000012281	si:dkey-52l18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52l18.4
ENSXMAG00000019507	ENSXMAP00000019554	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSXMAG00000009230	ENSXMAP00000009248	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSXMAG00000004463	ENSXMAP00000004464	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSXMAG00000011350	ENSXMAP00000011368	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSXMAG00000016781	ENSXMAP00000016809	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSXMAG00000011403	ENSXMAP00000011423	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSXMAG00000003620	ENSXMAP00000003629	si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85]	si:dkey-88n24.5
ENSXMAG00000017261	ENSXMAP00000017291	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSXMAG00000008499	ENSXMAP00000008518	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSXMAG00000015875	ENSXMAP00000015903	si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367]	si:dkey-9i23.8
ENSXMAG00000013037	ENSXMAP00000013060	si:dkey-27e10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-96]	si:dkey-27e10.3
ENSXMAG00000018585	ENSXMAP00000018622	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSXMAG00000011103	ENSXMAP00000011124	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSXMAG00000019319	ENSXMAP00000019365	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSXMAG00000010971	ENSXMAP00000010997	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSXMAG00000007827	ENSXMAP00000007843	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSXMAG00000008212	ENSXMAP00000008233	si:zfos-1762d12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1188]	si:zfos-1762d12.1
ENSXMAG00000019695	ENSXMAP00000019742	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	SMCO4
ENSXMAG00000019693	ENSXMAP00000019740	small integral membrane protein 18 [Source:HGNC Symbol;Acc:HGNC:42973]	SMIM18
ENSXMAG00000014165	ENSXMAP00000014183	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4l
ENSXMAG00000016380	ENSXMAP00000016416	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	ssp1
ENSXMAG00000003433	ENSXMAP00000003437	stathmin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:44668]	STMN1
ENSXMAG00000008790	ENSXMAP00000008802	SWIM-type zinc finger 7 associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-071116-2]	swsap1
ENSXMAG00000016381	ENSXMAP00000016406	syncollin, intermediate filament protein [Source:ZFIN;Acc:ZDB-GENE-060503-747]	sync
ENSXMAG00000008633	ENSXMAP00000008649	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSXMAG00000019965	ENSXMAP00000020012	transcription elongation factor 8 (SII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tecb2
ENSXMAG00000012188	ENSXMAP00000012199	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSXMAG00000007851	ENSXMAP00000007867	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSXMAG00000020335	ENSXMAP00000020382	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSXMAG00000000939	ENSXMAP00000000929	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30136]	TMEM159
ENSXMAG00000016005	ENSXMAP00000016037	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSXMAG00000014317	ENSXMAP00000014336	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSXMAG00000017333	ENSXMAP00000017360	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSXMAG00000013611	ENSXMAP00000013640	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSXMAG00000004393	ENSXMAP00000004401	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSXMAG00000003952	ENSXMAP00000003953	vesicle-associated membrane protein 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4209]	vamp5
ENSXMAG00000003949	ENSXMAP00000003952	vesicle-associated membrane protein 8 (endobrevin) [Source:ZFIN;Acc:ZDB-GENE-030131-5215]	vamp8
ENSXMAG00000002400	ENSXMAP00000002392	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSXMAG00000005408	ENSXMAP00000005417	wu:fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu:fj29h11
ENSXMAG00000006049	ENSXMAP00000006061	zinc finger, DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	ZDBF2
ENSXMAG00000002150	ENSXMAP00000002148	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSXMAG00000019668	ENSXMAP00000019715	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSXMAG00000001938	ENSXMAP00000001936	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSXMAG00000006908	ENSXMAP00000006920	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSXMAG00000016998	ENSXMAP00000017037	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSXMAG00000013467	ENSXMAP00000013495	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSXMAG00000006918	ENSXMAP00000006925	zgc:162356 [Source:ZFIN;Acc:ZDB-GENE-090507-1]	zgc:162356
ENSXMAG00000003831	ENSXMAP00000003837	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSXMAG00000012110	ENSXMAP00000012125	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSXMAG00000006992	ENSXMAP00000007000	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSXMAG00000013300	ENSXMAP00000013328	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSXMAG00000016930	ENSXMAP00000016959	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-11]	zgc:175135
ENSXMAG00000000277	ENSXMAP00000000270	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSXMAG00000008239	ENSXMAP00000008255	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSXMAG00000007507	ENSXMAP00000007526	zgc:194392 [Source:ZFIN;Acc:ZDB-GENE-030131-4774]	zgc:194392
ENSXMAG00000015305	ENSXMAP00000015326	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSXMAG00000016527	ENSXMAP00000016556	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSXMAG00000000114	ENSXMAP00000000107	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZD15]	ENSXMAG00000000114
ENSXMAG00000000152	ENSXMAP00000000146	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZD54]	ENSXMAG00000000152
ENSXMAG00000000196	ENSXMAP00000000192	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDA0]	ENSXMAG00000000196
ENSXMAG00000000240	ENSXMAP00000000233	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDE1]	ENSXMAG00000000240
ENSXMAG00000000320	ENSXMAP00000000319	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZDM7]	ENSXMAG00000000320
ENSXMAG00000000543	ENSXMAP00000000536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZE94]	ENSXMAG00000000543
ENSXMAG00000000570	ENSXMAP00000000570	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEC8]	ENSXMAG00000000570
ENSXMAG00000000583	ENSXMAP00000000576	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZED4]	ENSXMAG00000000583
ENSXMAG00000000656	ENSXMAP00000000649	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEX7]	ENSXMAG00000000656
ENSXMAG00000000692	ENSXMAP00000000687	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEP5]	ENSXMAG00000000692
ENSXMAG00000000774	ENSXMAP00000000762	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZEX0]	ENSXMAG00000000774
ENSXMAG00000000879	ENSXMAP00000000871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZF79]	ENSXMAG00000000879
ENSXMAG00000001034	ENSXMAP00000001024	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZFN2]	ENSXMAG00000001034
ENSXMAG00000001230	ENSXMAP00000001214	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZG72]	ENSXMAG00000001230
ENSXMAG00000001307	ENSXMAP00000001295	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZGF3]	ENSXMAG00000001307
ENSXMAG00000001335	ENSXMAP00000001321	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZGH9]	ENSXMAG00000001335
ENSXMAG00000001339	ENSXMAP00000001329	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZGI7]	ENSXMAG00000001339
ENSXMAG00000001354	ENSXMAP00000001337	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M3ZGJ5]	ENSXMAG00000001354

ENSXMAG00000020187	ENSXMAP00000020234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B019]	ENSXMAG00000020187
ENSXMAG00000020201	ENSXMAP00000020248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0K3]	ENSXMAG00000020201
ENSXMAG00000020214	ENSXMAP00000020261	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0L6]	ENSXMAG00000020214
ENSXMAG00000020249	ENSXMAP00000020296	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Q1]	ENSXMAG00000020249
ENSXMAG00000020264	ENSXMAP00000020311	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0R5]	ENSXMAG00000020264
ENSXMAG00000020280	ENSXMAP00000020327	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0T1]	ENSXMAG00000020280
ENSXMAG00000020286	ENSXMAP00000020332	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0T6]	ENSXMAG00000020286
ENSXMAG00000020289	ENSXMAP00000020336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0U0]	ENSXMAG00000020289
ENSXMAG00000020292	ENSXMAP00000020339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0U3]	ENSXMAG00000020292
ENSXMAG00000020300	ENSXMAP00000020346	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0V0]	ENSXMAG00000020300
ENSXMAG00000020314	ENSXMAP00000020361	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0W5]	ENSXMAG00000020314
ENSXMAG00000020334	ENSXMAP00000020381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Y5]	ENSXMAG00000020334
ENSXMAG00000020339	ENSXMAP00000020386	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B0Z0]	ENSXMAG00000020339
ENSXMAG00000020351	ENSXMAP00000020398	novel gene		ENSXMAG00000020351
ENSXMAG00000020372	ENSXMAP00000020419	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B122]	ENSXMAG00000020372
ENSXMAG00000020374	ENSXMAP00000020421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B124]	ENSXMAG00000020374
ENSXMAG00000020376	ENSXMAP00000020423	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B126]	ENSXMAG00000020376
ENSXMAG00000020378	ENSXMAP00000020425	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B128]	ENSXMAG00000020378
ENSXMAG00000020381	ENSXMAP00000020428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B131]	ENSXMAG00000020381
ENSXMAG00000020384	ENSXMAP00000020431	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:M4B134]	ENSXMAG00000020384

Supplemental table 65. Spotted gar specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSLOCG00000007053	ENSLOCP00000008532	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSLOCG00000013069	ENSLOCP00000016099	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSLOCG00000012980	ENSLOCP00000015987	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSLOCG00000004377	ENSLOCP00000005226	ATPase inhibitory factor 1b [Source:ZFIN;Acc:ZDB-GENE-050506-113]	atpif1b
ENSLOCG00000012100	ENSLOCP00000014885	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSLOCG00000018028	ENSLOCP00000022129	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSLOCG00000008496	ENSLOCP00000010340	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSLOCG00000009257	ENSLOCP00000011290	coiled-coil domain containing 175 [Source:ZFIN;Acc:ZDB-GENE-101202-3]	ccdc175
ENSLOCG00000000851	ENSLOCP00000000943	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGNC:28359]	CCDC86
ENSLOCG00000003335	ENSLOCP00000003941	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	ccl-c11b
ENSLOCG00000007181	ENSLOCP00000008698	CD4 molecule [Source:ZFIN;Acc:ZDB-GENE-100922-280]	cd4
ENSLOCG00000016517	ENSLOCP00000020402	centromere protein W [Source:HGNC Symbol;Acc:HGNC:21488]	CENPW
ENSLOCG00000005103	ENSLOCP00000006146	CKLF-like MARVEL transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19172]	CLM1M1
ENSLOCG00000002146	ENSLOCP00000002493	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb2
ENSLOCG00000012564	ENSLOCP00000015468	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	ecscr
ENSLOCG00000004358	ENSLOCP00000005205	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSLOCG00000003783	ENSLOCP00000004509	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSLOCG00000000771	ENSLOCP00000000854	FOS-like antigen 1a [Source:ZFIN;Acc:ZDB-GENE-061207-7]	fosl1a
ENSLOCG00000003804	ENSLOCP00000004535	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSLOCG00000000830	ENSLOCP00000000924	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSLOCG00000009932	ENSLOCP00000012142	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSLOCG00000001484	ENSLOCP00000001692	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSLOCG000000016176	ENSLOCP000000019933	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSLOCG00000006729	ENSLOCP00000008124	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSLOCG00000013268	ENSLOCP00000016351	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSLOCG00000000601	ENSLOCP00000000661	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSLOCG00000002564	ENSLOCP00000003009	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSLOCG00000005853	ENSLOCP00000007063	methyl-CpG binding domain protein 6 [Source:ZFIN;Acc:ZDB-GENE-041027-3]	mbd6
ENSLOCG00000000289	ENSLOCP00000000317	nexilin (F actin binding protein) [Source:ZFIN;Acc:ZDB-GENE-041114-92]	nexn
ENSLOCG00000013517	ENSLOCP00000016666	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSLOCG00000017551	ENSLOCP00000021656	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSLOCG00000017890	ENSLOCP00000021993	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSLOCG00000008208	ENSLOCP00000009964	paralemmin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSLOCG00000014765	ENSLOCP00000018178	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsks1nl
ENSLOCG00000013036	ENSLOCP00000016057	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSLOCG00000004947	ENSLOCP00000005948	prolactin releasing hormone [Source:HGNC Symbol;Acc:HGNC:17945]	PRLH
ENSLOCG00000017985	ENSLOCP00000022086	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnprs3
ENSLOCG00000004055	ENSLOCP00000004839	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	PROSER3
ENSLOCG00000017320	ENSLOCP000000021425	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSLOCG00000001413	ENSLOCP00000001610	prothymosin, alpha [Source:HGNC Symbol;Acc:HGNC:9623]	PTMA
ENSLOCG00000001590	ENSLOCP00000001825	RALY RNA binding protein-like [Source:HGNC Symbol;Acc:HGNC:27036]	RALYL
ENSLOCG00000008145	ENSLOCP00000009889	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbld3
ENSLOCG00000017689	ENSLOCP00000021794	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSLOCG00000017690	ENSLOCP00000021795	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSLOCG00000017686	ENSLOCP00000021791	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSLOCG00000017684	ENSLOCP00000021789	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSLOCG00000017685	ENSLOCP00000021790	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSLOCG00000011960	ENSLOCP00000014706	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSLOCG00000011482	ENSLOCP00000014110	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSLOCG00000008042	ENSLOCP00000009765	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSLOCG00000005459	ENSLOCP00000006582	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSLOCG00000000164	ENSLOCP00000000181	si:ch211-119o8.4 [Source:ZFIN;Acc:ZDB-GENE-070912-15]	si:ch211-119o8.4
ENSLOCG00000009797	ENSLOCP000000011973	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSLOCG00000002806	ENSLOCP00000003301	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSLOCG00000000566	ENSLOCP00000000624	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSLOCG00000017722	ENSLOCP00000021826	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSLOCG00000017300	ENSLOCP00000021405	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSLOCG00000017372	ENSLOCP00000021477	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSLOCG00000014856	ENSLOCP00000018290	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSLOCG00000014855	ENSLOCP00000018289	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSLOCG00000006921	ENSLOCP00000008366	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSLOCG00000008075	ENSLOCP00000009806	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSLOCG00000008219	ENSLOCP00000009981	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSLOCG00000018196	ENSLOCP00000022297	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSLOCG00000004846	ENSLOCP00000005821	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSLOCG00000002373	ENSLOCP00000002778	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSLOCG00000004861	ENSLOCP00000005836	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSLOCG00000010915	ENSLOCP00000013386	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSLOCG00000016352	ENSLOCP00000020193	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENSLOCG00000016777	ENSLOCP00000020737	si:ch211-245h14.1 [Source:ZFIN;Acc:ZDB-GENE-041014-350]	si:ch211-245h14.1
ENSLOCG00000008508	ENSLOCP00000010353	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSLOCG00000017844	ENSLOCP00000021947	si:ch211-256m1.8 [Source:ZFIN;Acc:ZDB-GENE-131127-417]	si:ch211-256m1.8
ENSLOCG00000007121	ENSLOCP000000021158	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENSLOCG00000016790	ENSLOCP00000020753	si:ch211-264e16.1 [Source:ZFIN;Acc:ZDB-GENE-060503-226]	si:ch211-264e16.1
ENSLOCG00000008189	ENSLOCP00000009939	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSLOCG00000008377	ENSLOCP00000010176	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5

ENSLOC000000013285	ENSLOC000000016366	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSLOC00000002337	ENSLOC00000002730	si:ch211-286k11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-159]	si:ch211-286k11.4
ENSLOC000000017238	ENSLOC000000021321	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSLOC000000060614	ENSLOC00000007262	si:ch211-51h9.7 [Source:ZFIN;Acc:ZDB-GENE-081104-235]	si:ch211-51h9.7
ENSLOC000000011002	ENSLOC000000013497	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSLOC000000007398	ENSLOC000000008979	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSLOC000000010462	ENSLOC000000012821	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSLOC000000013774	ENSLOC000000016985	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSLOC000000010616	ENSLOC000000012998	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSLOC000000010198	ENSLOC000000012487	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSLOC000000009854	ENSLOC000000012045	si:ch73-49p17.1 [Source:ZFIN;Acc:ZDB-GENE-081107-45]	si:ch73-49p17.1
ENSLOC000000017351	ENSLOC000000021456	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSLOC000000005984	ENSLOC00000007234	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSLOC000000006357	ENSLOC000000007671	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSLOC000000013384	ENSLOC000000016498	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSLOC000000002672	ENSLOC000000003136	si:dkey-112e17.1 [Source:ZFIN;Acc:ZDB-GENE-060526-193]	si:dkey-112e17.1
ENSLOC000000013593	ENSLOC000000016763	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSLOC000000006577	ENSLOC000000007940	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSLOC000000009416	ENSLOC000000011489	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSLOC000000010489	ENSLOC000000012854	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSLOC000000017163	ENSLOC000000021215	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSLOC000000018256	ENSLOC000000022357	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSLOC000000017611	ENSLOC000000021716	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSLOC000000017521	ENSLOC000000021626	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSLOC000000014284	ENSLOC000000017586	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSLOC000000008614	ENSLOC000000010469	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSLOC000000012011	ENSLOC000000014767	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSLOC000000002011	ENSLOC00000002329	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSLOC000000011030	ENSLOC000000013551	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSLOC000000006892	ENSLOC000000008333	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSLOC000000010954	ENSLOC000000013436	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSLOC000000003866	ENSLOC000000004611	si:dkey-262k9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-545]	si:dkey-262k9.4
ENSLOC000000011546	ENSLOC000000014185	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSLOC000000016779	ENSLOC000000020741	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSLOC000000016172	ENSLOC000000019929	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSLOC000000013456	ENSLOC000000016588	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSLOC0000000001365	ENSLOC000000001552	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSLOC000000014312	ENSLOC000000017622	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSLOC000000013068	ENSLOC000000016095	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSLOC000000008902	ENSLOC000000010842	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSLOC000000007290	ENSLOC000000008828	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSLOC000000009160	ENSLOC000000011164	si:dkeypp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeypp-12a9.5
ENSLOC000000009430	ENSLOC000000011505	si:dkeypp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeypp-34c12.1
ENSLOC000000013091	ENSLOC000000016123	si:dkeypp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeypp-55f12.3
ENSLOC000000005867	ENSLOC000000007085	si:dkeypp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeypp-69c1.7
ENSLOC000000015014	ENSLOC000000018483	si:dkeypp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeypp-86f7.3
ENSLOC000000008167	ENSLOC000000009908	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSLOC000000012495	ENSLOC000000015382	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSLOC000000013301	ENSLOC000000016391	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSLOC000000013602	ENSLOC000000016770	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSLOC000000006911	ENSLOC000000008356	transmembrane protein 134 [Source:ZFIN;Acc:ZDB-GENE-040426-1345]	tmem134
ENSLOC000000008186	ENSLOC000000009938	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSLOC0000000003818	ENSLOC000000004553	TYRO protein tyrosine kinase binding protein [Source:ZFIN;Acc:ZDB-GENE-061130-2]	tyrbp
ENSLOC000000001027	ENSLOC000000001150	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSLOC000000015259	ENSLOC000000018774	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSLOC000000002591	ENSLOC000000003043	urotensin 2, beta [Source:ZFIN;Acc:ZDB-GENE-040630-10]	uts2b
ENSLOC000000005551	ENSLOC000000006703	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSLOC000000002324	ENSLOC000000002726	WW domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:12737]	WBP1
ENSLOC000000010884	ENSLOC000000013342	wu:fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu:fj29h11
ENSLOC000000003599	ENSLOC000000004265	wu:fj30f06 [Source:ZFIN;Acc:ZDB-GENE-030131-7567]	wu:fj30f06
ENSLOC000000008699	ENSLOC000000010579	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSLOC000000004440	ENSLOC000000005305	zgc:113184 [Source:ZFIN;Acc:ZDB-GENE-050522-9]	zgc:113184
ENSLOC000000014744	ENSLOC000000018151	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSLOC000000007736	ENSLOC000000009391	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSLOC0000000016131	ENSLOC000000019876	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSLOC000000010509	ENSLOC000000012879	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSLOC000000017712	ENSLOC000000021817	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSLOC000000013038	ENSLOC000000016058	zgc:161969 [Source:ZFIN;Acc:ZDB-GENE-030131-2597]	zgc:161969
ENSLOC000000000481	ENSLOC000000000530	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSLOC000000009554	ENSLOC000000011672	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSLOC000000006593	ENSLOC000000007964	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSLOC000000008374	ENSLOC000000010172	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801
ENSLOC000000010529	ENSLOC000000012897	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSLOC000000010204	ENSLOC000000012492	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSLOC000000013506	ENSLOC000000016650	ZW10 interacting kinetochore protein [Source:HGNC Symbol;Acc:HGNC:13195]	ZWINT
ENSLOC000000000069	ENSLOC000000000079	novel gene	ENSLOC000000000069
ENSLOC000000000129	ENSLOC000000000141	novel gene	ENSLOC000000000129
ENSLOC000000000142	ENSLOC000000000156	novel gene	ENSLOC000000000142
ENSLOC000000000143	ENSLOC000000000157	novel gene	ENSLOC000000000143

ENSLOGG00000002274 ENSLOCP00000002656 novel gene
ENSLOGG00000002452 ENSLOCP00000002882 novel gene
ENSLOGG00000002459 ENSLOCP00000002888 novel gene
ENSLOGG00000002490 ENSLOCP00000002920 novel gene
ENSLOGG00000002544 ENSLOCP00000002987 novel gene
ENSLOGG00000002561 ENSLOCP00000003008 novel gene
ENSLOGG00000002573 ENSLOCP00000003021 novel gene
ENSLOGG00000002601 ENSLOCP00000003055 novel gene
ENSLOGG00000002616 ENSLOCP00000003073 novel gene
ENSLOGG00000002661 ENSLOCP00000003128 novel gene
ENSLOGG00000002690 ENSLOCP00000003162 novel gene
ENSLOGG00000002756 ENSLOCP00000003241 novel gene
ENSLOGG00000002930 ENSLOCP00000003442 novel gene
ENSLOGG00000002952 ENSLOCP00000003474 novel gene
ENSLOGG00000002961 ENSLOCP00000003483 novel gene
ENSLOGG00000003150 ENSLOCP00000003714 novel gene
ENSLOGG00000003178 ENSLOCP00000003753 novel gene
ENSLOGG00000003379 ENSLOCP00000003996 novel gene
ENSLOGG00000003391 ENSLOCP00000004016 novel gene
ENSLOGG00000003421 ENSLOCP00000004046 novel gene
ENSLOGG00000003426 ENSLOCP00000004057 novel gene
ENSLOGG00000003448 ENSLOCP00000004089 novel gene
ENSLOGG00000003465 ENSLOCP00000004107 novel gene
ENSLOGG00000003696 ENSLOCP00000004396 novel gene
ENSLOGG00000003767 ENSLOCP00000004494 novel gene
ENSLOGG00000003839 ENSLOCP00000004584 novel gene
ENSLOGG00000003853 ENSLOCP00000004597 novel gene
ENSLOGG00000003934 ENSLOCP00000004700 novel gene
ENSLOGG00000004066 ENSLOCP00000004855 novel gene
ENSLOGG00000004096 ENSLOCP00000004890 novel gene
ENSLOGG00000004188 ENSLOCP00000005025 novel gene
ENSLOGG00000004259 ENSLOCP00000005094 novel gene
ENSLOGG00000004300 ENSLOCP00000005136 novel gene
ENSLOGG00000004365 ENSLOCP00000005213 novel gene
ENSLOGG00000004479 ENSLOCP00000005351 novel gene
ENSLOGG00000004508 ENSLOCP00000005386 novel gene
ENSLOGG00000004631 ENSLOCP00000005547 novel gene
ENSLOGG00000004674 ENSLOCP00000005595 novel gene
ENSLOGG00000004689 ENSLOCP00000005616 novel gene
ENSLOGG00000004738 ENSLOCP00000005677 novel gene
ENSLOGG00000004878 ENSLOCP00000005867 novel gene
ENSLOGG00000005033 ENSLOCP00000006061 novel gene
ENSLOGG00000005050 ENSLOCP00000006078 novel gene
ENSLOGG00000005070 ENSLOCP00000006104 novel gene
ENSLOGG00000005089 ENSLOCP00000006127 novel gene
ENSLOGG00000005096 ENSLOCP00000006138 novel gene
ENSLOGG00000005201 ENSLOCP00000006259 novel gene
ENSLOGG00000005317 ENSLOCP00000006403 novel gene
ENSLOGG00000005669 ENSLOCP00000006846 novel gene
ENSLOGG00000005769 ENSLOCP00000006968 novel gene
ENSLOGG00000006402 ENSLOCP00000007731 novel gene
ENSLOGG00000006413 ENSLOCP00000007746 novel gene
ENSLOGG00000006549 ENSLOCP00000007909 novel gene
ENSLOGG00000006605 ENSLOCP00000007974 novel gene
ENSLOGG00000006619 ENSLOCP00000007991 novel gene
ENSLOGG00000006633 ENSLOCP00000008008 novel gene
ENSLOGG00000006649 ENSLOCP00000008028 novel gene
ENSLOGG00000006664 ENSLOCP00000008049 novel gene
ENSLOGG00000006683 ENSLOCP00000008069 novel gene
ENSLOGG00000006827 ENSLOCP00000008250 novel gene
ENSLOGG00000006898 ENSLOCP00000008340 novel gene
ENSLOGG00000006931 ENSLOCP00000008382 novel gene
ENSLOGG00000007032 ENSLOCP00000008511 novel gene
ENSLOGG00000007201 ENSLOCP00000008716 novel gene
ENSLOGG00000007253 ENSLOCP00000008777 novel gene
ENSLOGG00000007389 ENSLOCP00000008963 novel gene
ENSLOGG00000007496 ENSLOCP00000009099 novel gene
ENSLOGG00000007564 ENSLOCP00000009174 novel gene
ENSLOGG00000007607 ENSLOCP00000009228 novel gene
ENSLOGG00000007618 ENSLOCP00000009238 novel gene
ENSLOGG00000007752 ENSLOCP00000009412 novel gene
ENSLOGG00000007791 ENSLOCP00000009457 novel gene
ENSLOGG00000007900 ENSLOCP00000009592 novel gene
ENSLOGG00000007922 ENSLOCP00000009622 novel gene
ENSLOGG00000007975 ENSLOCP00000009680 novel gene
ENSLOGG00000008093 ENSLOCP00000009828 novel gene
ENSLOGG00000008098 ENSLOCP00000009832 novel gene
ENSLOGG00000008235 ENSLOCP00000009998 novel gene
ENSLOGG00000008245 ENSLOCP00000010005 novel gene

ENSLOGG00000002274
ENSLOGG00000002452
ENSLOGG00000002459
ENSLOGG00000002490
ENSLOGG00000002544
ENSLOGG00000002561
ENSLOGG00000002573
ENSLOGG00000002601
ENSLOGG00000002616
ENSLOGG00000002661
ENSLOGG00000002690
ENSLOGG00000002756
ENSLOGG00000002930
ENSLOGG00000002952
ENSLOGG00000002961
ENSLOGG00000003150
ENSLOGG00000003178
ENSLOGG00000003379
ENSLOGG00000003391
ENSLOGG00000003421
ENSLOGG00000003426
ENSLOGG00000003448
ENSLOGG00000003465
ENSLOGG00000003696
ENSLOGG00000003767
ENSLOGG00000003839
ENSLOGG00000003853
ENSLOGG00000003934
ENSLOGG00000004066
ENSLOGG00000004096
ENSLOGG00000004188
ENSLOGG00000004259
ENSLOGG00000004300
ENSLOGG00000004365
ENSLOGG00000004479
ENSLOGG00000004508
ENSLOGG00000004631
ENSLOGG00000004674
ENSLOGG00000004689
ENSLOGG00000004738
ENSLOGG00000004878
ENSLOGG00000005033
ENSLOGG00000005050
ENSLOGG00000005070
ENSLOGG00000005089
ENSLOGG00000005096
ENSLOGG00000005201
ENSLOGG00000005317
ENSLOGG00000005669
ENSLOGG00000005769
ENSLOGG00000006402
ENSLOGG00000006413
ENSLOGG00000006549
ENSLOGG00000006605
ENSLOGG00000006619
ENSLOGG00000006633
ENSLOGG00000006649
ENSLOGG00000006664
ENSLOGG00000006683
ENSLOGG00000006827
ENSLOGG00000006898
ENSLOGG00000006931
ENSLOGG00000007032
ENSLOGG00000007201
ENSLOGG00000007253
ENSLOGG00000007389
ENSLOGG00000007496
ENSLOGG00000007564
ENSLOGG00000007607
ENSLOGG00000007618
ENSLOGG00000007752
ENSLOGG00000007791
ENSLOGG00000007900
ENSLOGG00000007922
ENSLOGG00000007975
ENSLOGG00000008093
ENSLOGG00000008098
ENSLOGG00000008235
ENSLOGG00000008245

ENSLOGG00000008331 ENSLOCP00000010118 novel gene
ENSLOGG00000008351 ENSLOCP00000010140 novel gene
ENSLOGG00000008373 ENSLOCP00000010171 novel gene
ENSLOGG00000008497 ENSLOCP00000010339 novel gene
ENSLOGG00000008516 ENSLOCP00000010361 novel gene
ENSLOGG00000008540 ENSLOCP00000010389 novel gene
ENSLOGG00000008844 ENSLOCP00000010762 novel gene
ENSLOGG00000008867 ENSLOCP00000010792 novel gene
ENSLOGG00000009038 ENSLOCP00000011011 novel gene
ENSLOGG00000009092 ENSLOCP00000011086 novel gene
ENSLOGG00000009105 ENSLOCP00000011101 novel gene
ENSLOGG00000009270 ENSLOCP00000011309 novel gene
ENSLOGG00000009319 ENSLOCP00000011369 novel gene
ENSLOGG00000009366 ENSLOCP00000011422 novel gene
ENSLOGG00000009381 ENSLOCP00000011446 novel gene
ENSLOGG00000009383 ENSLOCP00000011448 novel gene
ENSLOGG00000009398 ENSLOCP00000011464 novel gene
ENSLOGG00000009488 ENSLOCP00000011586 novel gene
ENSLOGG00000009525 ENSLOCP00000011636 novel gene
ENSLOGG00000009628 ENSLOCP00000011760 novel gene
ENSLOGG00000009669 ENSLOCP00000011811 novel gene
ENSLOGG00000009670 ENSLOCP00000011813 novel gene
ENSLOGG00000009673 ENSLOCP00000011818 novel gene
ENSLOGG00000009754 ENSLOCP00000011917 novel gene
ENSLOGG00000009834 ENSLOCP00000012019 novel gene
ENSLOGG00000009868 ENSLOCP00000012059 novel gene
ENSLOGG00000009952 ENSLOCP00000012170 novel gene
ENSLOGG00000009999 ENSLOCP00000012224 novel gene
ENSLOGG00000010099 ENSLOCP00000012356 novel gene
ENSLOGG00000010110 ENSLOCP00000012363 novel gene
ENSLOGG00000010244 ENSLOCP00000012541 novel gene
ENSLOGG00000010365 ENSLOCP00000012699 novel gene
ENSLOGG00000010366 ENSLOCP00000012700 novel gene
ENSLOGG00000010417 ENSLOCP00000012773 novel gene
ENSLOGG00000010573 ENSLOCP00000012954 novel gene
ENSLOGG00000010605 ENSLOCP00000012991 novel gene
ENSLOGG00000010619 ENSLOCP00000013004 novel gene
ENSLOGG00000010685 ENSLOCP00000013087 novel gene
ENSLOGG00000010808 ENSLOCP00000013246 novel gene
ENSLOGG00000010838 ENSLOCP00000013284 novel gene
ENSLOGG00000010883 ENSLOCP00000013343 novel gene
ENSLOGG00000010897 ENSLOCP00000013360 novel gene
ENSLOGG00000010899 ENSLOCP00000013361 novel gene
ENSLOGG00000010908 ENSLOCP00000013371 novel gene
ENSLOGG00000010950 ENSLOCP00000013431 novel gene
ENSLOGG00000011024 ENSLOCP00000013528 novel gene
ENSLOGG00000011037 ENSLOCP00000013540 novel gene
ENSLOGG00000011039 ENSLOCP00000013544 novel gene
ENSLOGG00000011044 ENSLOCP00000013556 novel gene
ENSLOGG00000011206 ENSLOCP00000013770 novel gene
ENSLOGG00000011216 ENSLOCP00000013776 novel gene
ENSLOGG00000011276 ENSLOCP00000013855 novel gene
ENSLOGG00000011323 ENSLOCP00000013911 novel gene
ENSLOGG00000011415 ENSLOCP00000014032 novel gene
ENSLOGG00000011572 ENSLOCP00000014218 novel gene
ENSLOGG00000011736 ENSLOCP00000014435 novel gene
ENSLOGG00000011886 ENSLOCP00000014614 novel gene
ENSLOGG00000011901 ENSLOCP00000014635 novel gene
ENSLOGG00000012005 ENSLOCP00000014761 novel gene
ENSLOGG00000012105 ENSLOCP00000014892 novel gene
ENSLOGG00000012119 ENSLOCP00000014910 novel gene
ENSLOGG00000012188 ENSLOCP00000014988 novel gene
ENSLOGG00000012458 ENSLOCP00000015336 novel gene
ENSLOGG00000012465 ENSLOCP00000015346 novel gene
ENSLOGG00000012470 ENSLOCP00000015351 novel gene
ENSLOGG00000012476 ENSLOCP00000015357 novel gene
ENSLOGG00000012480 ENSLOCP00000015361 novel gene
ENSLOGG00000012493 ENSLOCP00000015378 novel gene
ENSLOGG00000012797 ENSLOCP00000015746 novel gene
ENSLOGG00000012815 ENSLOCP00000015767 novel gene
ENSLOGG00000012863 ENSLOCP00000015834 novel gene
ENSLOGG00000012877 ENSLOCP00000015852 novel gene
ENSLOGG00000012904 ENSLOCP00000015886 novel gene
ENSLOGG00000013345 ENSLOCP00000016444 novel gene
ENSLOGG00000013461 ENSLOCP00000016597 novel gene
ENSLOGG00000013478 ENSLOCP00000016621 novel gene
ENSLOGG00000013509 ENSLOCP00000016653 novel gene
ENSLOGG00000013511 ENSLOCP00000016662 novel gene
ENSLOGG00000013532 ENSLOCP00000016686 novel gene

ENSLOGG00000008331
ENSLOGG00000008351
ENSLOGG00000008373
ENSLOGG00000008497
ENSLOGG00000008516
ENSLOGG00000008540
ENSLOGG00000008844
ENSLOGG00000008867
ENSLOGG00000009038
ENSLOGG00000009092
ENSLOGG00000009105
ENSLOGG00000009270
ENSLOGG00000009319
ENSLOGG00000009366
ENSLOGG00000009381
ENSLOGG00000009383
ENSLOGG00000009398
ENSLOGG00000009488
ENSLOGG00000009525
ENSLOGG00000009628
ENSLOGG00000009669
ENSLOGG00000009670
ENSLOGG00000009673
ENSLOGG00000009754
ENSLOGG00000009834
ENSLOGG00000009868
ENSLOGG00000009952
ENSLOGG00000009999
ENSLOGG00000010099
ENSLOGG00000010110
ENSLOGG00000010244
ENSLOGG00000010365
ENSLOGG00000010366
ENSLOGG00000010417
ENSLOGG00000010573
ENSLOGG00000010605
ENSLOGG00000010619
ENSLOGG00000010685
ENSLOGG00000010808
ENSLOGG00000010838
ENSLOGG00000010883
ENSLOGG00000010897
ENSLOGG00000010899
ENSLOGG00000010908
ENSLOGG00000010950
ENSLOGG00000011024
ENSLOGG00000011037
ENSLOGG00000011039
ENSLOGG00000011044
ENSLOGG00000011206
ENSLOGG00000011216
ENSLOGG00000011276
ENSLOGG00000011323
ENSLOGG00000011415
ENSLOGG00000011572
ENSLOGG00000011736
ENSLOGG00000011886
ENSLOGG00000011901
ENSLOGG00000012005
ENSLOGG00000012105
ENSLOGG00000012119
ENSLOGG00000012188
ENSLOGG00000012458
ENSLOGG00000012465
ENSLOGG00000012470
ENSLOGG00000012476
ENSLOGG00000012480
ENSLOGG00000012493
ENSLOGG00000012797
ENSLOGG00000012815
ENSLOGG00000012863
ENSLOGG00000012877
ENSLOGG00000012904
ENSLOGG00000013345
ENSLOGG00000013461
ENSLOGG00000013478
ENSLOGG00000013509
ENSLOGG00000013511
ENSLOGG00000013532

ENSLOGG00000017882	ENSLOCP00000021985	novel gene	ENSLOGG00000017882
ENSLOGG00000017899	ENSLOCP00000022002	novel gene	ENSLOGG00000017899
ENSLOGG00000017964	ENSLOCP00000022067	novel gene	ENSLOGG00000017964
ENSLOGG00000017976	ENSLOCP00000022077	novel gene	ENSLOGG00000017976
ENSLOGG00000017986	ENSLOCP00000022087	novel gene	ENSLOGG00000017986
ENSLOGG00000017987	ENSLOCP00000022088	novel gene	ENSLOGG00000017987
ENSLOGG00000018016	ENSLOCP00000022117	novel gene	ENSLOGG00000018016
ENSLOGG00000018032	ENSLOCP00000022133	novel gene	ENSLOGG00000018032
ENSLOGG00000018055	ENSLOCP00000022156	novel gene	ENSLOGG00000018055
ENSLOGG00000018064	ENSLOCP00000022165	novel gene	ENSLOGG00000018064
ENSLOGG00000018073	ENSLOCP00000022174	novel gene	ENSLOGG00000018073
ENSLOGG00000018115	ENSLOCP00000022216	novel gene	ENSLOGG00000018115
ENSLOGG00000018117	ENSLOCP00000022218	novel gene	ENSLOGG00000018117
ENSLOGG00000018118	ENSLOCP00000022219	novel gene	ENSLOGG00000018118
ENSLOGG00000018140	ENSLOCP00000022241	novel gene	ENSLOGG00000018140
ENSLOGG00000018160	ENSLOCP00000022261	novel gene	ENSLOGG00000018160
ENSLOGG00000018204	ENSLOCP00000022305	novel gene	ENSLOGG00000018204
ENSLOGG00000018212	ENSLOCP00000022313	novel gene	ENSLOGG00000018212
ENSLOGG00000018222	ENSLOCP00000022323	novel gene	ENSLOGG00000018222
ENSLOGG00000018244	ENSLOCP00000022345	novel gene	ENSLOGG00000018244
ENSLOGG00000018257	ENSLOCP00000022358	novel gene	ENSLOGG00000018257
ENSLOGG00000018293	ENSLOCP00000022394	novel gene	ENSLOGG00000018293

Supplemental table 66. Stickleback specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSGACG00000002537	ENSGACP00000003319	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSGACG00000005377	ENSGACP00000007109	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSGACG000000017008	ENSGACP000000022461	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSGACG000000015438	ENSGACP000000020364	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSGACG000000008510	ENSGACP000000011249	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSGACG00000003467	ENSGACP00000004536	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSGACG000000003461	ENSGACP00000004529	apolipoprotein C-I like [Source:ZFIN;Acc:ZDB-GENE-030131-1074]	apoc1l
ENSGACG00000000709	ENSGACP00000000916	apolipoprotein F [Source:ZFIN;Acc:ZDB-GENE-031204-36]	apof
ENSGACG000000018924	ENSGACP000000025025	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSGACG00000001538	ENSGACP00000002003	arginine and glutamate rich 1b [Source:ZFIN;Acc:ZDB-GENE-040426-736]	arglu1b
ENSGACG000000003200	ENSGACP000000004189	ATPase inhibitory factor 1a [Source:ZFIN;Acc:ZDB-GENE-070410-36]	atpif1a
ENSGACG000000011758	ENSGACP000000015549	BCL2-associated athanogene 4 [Source:ZFIN;Acc:ZDB-GENE-030131-5484]	bag4
ENSGACG000000012339	ENSGACP000000016306	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSGACG000000007152	ENSGACP000000009467	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSGACG00000005636	ENSGACP00000007443	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSGACG000000020753	ENSGACP000000027440	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Acc:HGNC:33788]	C11orf87
ENSGACG000000016653	ENSGACP000000021989	chromosome 9 open reading frame 16 [Source:HGNC Symbol;Acc:HGNC:17823]	C9orf16
ENSGACG000000010801	ENSGACP000000014299	CD74 molecule, major histocompatibility complex, class II invariant chain b [Source:ZFIN;Acc:ZDB-GENE-990910-10]	cd74b
ENSGACG000000003531	ENSGACP000000004622	CD79b molecule, immunoglobulin-associated beta [Source:ZFIN;Acc:ZDB-GENE-121219-1]	cd79b
ENSGACG000000008945	ENSGACP000000011825	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSGACG000000015223	ENSGACP000000020077	CD99 molecule [Source:ZFIN;Acc:ZDB-GENE-061103-391]	cd99
ENSGACG000000002675	ENSGACP000000003500	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSGACG000000019649	ENSGACP000000025966	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdca9
ENSGACG000000019435	ENSGACP000000025692	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSGACG000000019754	ENSGACP000000026106	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSGACG0000000001431	ENSGACP000000001854	cytokine receptor family member b6 [Source:ZFIN;Acc:ZDB-GENE-030131-5999]	crfb6
ENSGACG000000002844	ENSGACP000000002844	colony stimulating factor 1b (macrophage) [Source:ZFIN;Acc:ZDB-GENE-061215-106]	csf1b
ENSGACG000000018496	ENSGACP000000024455	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	CYSTM1
ENSGACG000000006660	ENSGACP000000008819	dishevelled-binding antagonist of beta-catenin 3 [Source:HGNC Symbol;Acc:HGNC:30745]	DACT3
ENSGACG000000020700	ENSGACP000000027373	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb12
ENSGACG000000016601	ENSGACP000000021916	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	ENG
ENSGACG000000006423	ENSGACP000000008494	ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:18185]	ERRF1
ENSGACG000000000762	ENSGACP000000000983	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSGACG000000009582	ENSGACP000000012650	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSGACG000000013084	ENSGACP000000017300	G-protein signaling modulator 3 [Source:HGNC Symbol;Acc:HGNC:13945]	GPSM3
ENSGACG000000016330	ENSGACP000000021554	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSGACG000000013074	ENSGACP000000017289	hairy and enhancer of split related-7 [Source:ZFIN;Acc:ZDB-GENE-000427-6]	her7
ENSGACG000000012031	ENSGACP000000015918	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSGACG000000005313	ENSGACP000000007026	heat shock protein, alpha-crystallin-related, 9 [Source:ZFIN;Acc:ZDB-GENE-080214-6]	hspb9
ENSGACG000000014798	ENSGACP000000019541	interferon phi 1 [Source:ZFIN;Acc:ZDB-GENE-030721-3]	ifnphi1
ENSGACG000000003536	ENSGACP000000004627	interferon phi 4 [Source:ZFIN;Acc:ZDB-GENE-080327-1]	ifnphi4
ENSGACG000000012446	ENSGACP000000016451	interleukin 12 receptor, beta 2a, like [Source:ZFIN;Acc:ZDB-GENE-080107-6]	il12rb2l
ENSGACG000000020001	ENSGACP000000026421	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSGACG000000017271	ENSGACP000000022805	interleukin-15 (il-15), mRNA [Source:RefSeq mRNA;Acc:NM_001267684]	il-15
ENSGACG000000019173	ENSGACP000000025349	IL-15 receptor alpha chain (il-15ra), mRNA [Source:RefSeq mRNA;Acc:NM_001267685]	il-15ra
ENSGACG00000001568	ENSGACP00000002050	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358]	IL17RC
ENSGACG000000009743	ENSGACP000000012852	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSGACG000000016346	ENSGACP000000021578	leucine rich adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:32327]	LURAP1
ENSGACG000000007455	ENSGACP000000009893	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSGACG000000002525	ENSGACP000000003303	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSGACG000000011715	ENSGACP000000015494	meiosis-specific, MEI4 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040724-211]	mei4
ENSGACG000000002275	ENSGACP000000002950	nanog homeobox [Source:ZFIN;Acc:ZDB-GENE-030131-5486]	nanog
ENSGACG000000000763	ENSGACP000000000984	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSGACG000000013072	ENSGACP000000017287	notch homolog, like [Source:ZFIN;Acc:ZDB-GENE-070220-2]	notchl
ENSGACG000000017898	ENSGACP000000023646	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSGACG000000004510	ENSGACP000000005942	pre-B-cell leukemia homeobox interacting protein 1a [Source:ZFIN;Acc:ZDB-GENE-060503-871]	pbxip1a
ENSGACG000000018913	ENSGACP000000025003	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSGACG000000003187	ENSGACP000000004175	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1l
ENSGACG000000018017	ENSGACP000000023803	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSGACG000000012062	ENSGACP000000015958	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSGACG000000003201	ENSGACP000000004190	pogo transposable element with ZNF domain b [Source:ZFIN;Acc:ZDB-GENE-100609-3]	pgzb
ENSGACG000000018857	ENSGACP000000024934	periphilin 1 [Source:ZFIN;Acc:ZDB-GENE-030131-1873]	pphiln1
ENSGACG000000008116	ENSGACP000000010732	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGNC:18319]	PRIMA1
ENSGACG000000017108	ENSGACP000000025999	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSGACG000000020597	ENSGACP000000027241	proline and serine rich 1 [Source:HGNC Symbol;Acc:HGNC:20291]	PROSER1
ENSGACG000000001077	ENSGACP000000001390	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	PROSER2
ENSGACG000000024336	ENSGACP0000000003179	parathyroid hormone 1a [Source:ZFIN;Acc:ZDB-GENE-040623-1]	pth1a
ENSGACG000000008626	ENSGACP000000011386	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSGACG000000017364	ENSGACP000000022942	relaxin 1 [Source:ZFIN;Acc:ZDB-GENE-120215-201]	rln1
ENSGACG000000013209	ENSGACP000000017462	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSGACG000000013211	ENSGACP000000017466	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSGACG000000013217	ENSGACP000000017474	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSGACG000000020557	ENSGACP000000021719	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSGACG000000017988	ENSGACP000000023763	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSGACG000000007185	ENSGACP000000009508	si:ch1073-296i8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-9]	si:ch1073-296i8.2
ENSGACG000000008382	ENSGACP000000011078	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4

ENSGACG0000005334	ENSGACP0000007043	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSGACG00000016229	ENSGACP00000021410	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSGACG00000020674	ENSGACP00000027341	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSGACG00000001810	ENSGACP00000002349	si:ch211-114l13.9 [Source:ZFIN;Acc:ZDB-GENE-070424-116]	si:ch211-114l13.9
ENSGACG00000013338	ENSGACP00000017626	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSGACG00000002038	ENSGACP00000002642	si:ch211-133i5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-117]	si:ch211-133i5.7
ENSGACG00000009853	ENSGACP00000013008	si:ch211-133i5.8 [Source:ZFIN;Acc:ZDB-GENE-081104-118]	si:ch211-133i5.8
ENSGACG00000007666	ENSGACP00000010160	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSGACG00000004837	ENSGACP00000006394	si:ch211-13c6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-666]	si:ch211-13c6.2
ENSGACG00000011342	ENSGACP00000014987	si:ch211-149e23.4 [Source:ZFIN;Acc:ZDB-GENE-131121-606]	si:ch211-149e23.4
ENSGACG00000012586	ENSGACP00000016637	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2
ENSGACG00000007572	ENSGACP00000010037	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSGACG00000014621	ENSGACP00000019295	si:ch211-153i6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153i6.6
ENSGACG00000008347	ENSGACP00000011039	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSGACG00000014295	ENSGACP00000018870	si:ch211-157c3.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8454]	si:ch211-157c3.4
ENSGACG00000006237	ENSGACP00000008244	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSGACG00000007671	ENSGACP00000010163	si:ch211-180a12.2 [Source:ZFIN;Acc:ZDB-GENE-121214-236]	si:ch211-180a12.2
ENSGACG00000001072	ENSGACP00000001381	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSGACG00000002313	ENSGACP00000003006	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSGACG00000009610	ENSGACP00000012675	si:ch211-195m9.3 [Source:ZFIN;Acc:ZDB-GENE-120215-210]	si:ch211-195m9.3
ENSGACG00000002283	ENSGACP00000002964	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSGACG00000007922	ENSGACP00000010490	si:ch211-198a12.6 [Source:ZFIN;Acc:ZDB-GENE-030131-1683]	si:ch211-198a12.6
ENSGACG00000014890	ENSGACP00000019654	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSGACG00000019444	ENSGACP00000025704	si:ch211-207j7.2 [Source:ZFIN;Acc:ZDB-GENE-120215-232]	si:ch211-207j7.2
ENSGACG00000010902	ENSGACP00000014424	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSGACG00000006228	ENSGACP00000008233	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSGACG00000010753	ENSGACP00000014226	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSGACG00000006775	ENSGACP00000008969	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3
ENSGACG00000002011	ENSGACP00000002613	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENSGACG00000014697	ENSGACP00000019402	si:ch211-222k6.2 [Source:ZFIN;Acc:ZDB-GENE-030131-9038]	si:ch211-222k6.2
ENSGACG00000008701	ENSGACP00000011488	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENSGACG00000011005	ENSGACP00000014558	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSGACG00000008988	ENSGACP00000011868	si:ch211-235m3.5 [Source:ZFIN;Acc:ZDB-GENE-131121-233]	si:ch211-235m3.5
ENSGACG00000010247	ENSGACP00000013535	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSGACG00000016416	ENSGACP00000021672	si:ch211-252f13.5 [Source:ZFIN;Acc:ZDB-GENE-131121-629]	si:ch211-252f13.5
ENSGACG00000012198	ENSGACP00000016139	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSGACG00000008053	ENSGACP00000010654	si:ch211-256m1.8 [Source:ZFIN;Acc:ZDB-GENE-131127-417]	si:ch211-256m1.8
ENSGACG00000012624	ENSGACP00000016687	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSGACG00000007891	ENSGACP00000010455	si:ch211-286c4.6 [Source:ZFIN;Acc:ZDB-GENE-131127-232]	si:ch211-286c4.6
ENSGACG00000008343	ENSGACP00000011034	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSGACG00000016250	ENSGACP00000021436	si:ch211-89o9.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7155]	si:ch211-89o9.6
ENSGACG00000003270	ENSGACP00000004280	si:ch73-127m5.2 [Source:ZFIN;Acc:ZDB-GENE-030131-1052]	si:ch73-127m5.2
ENSGACG00000002884	ENSGACP00000003769	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-366]	si:ch73-156o22.2
ENSGACG00000019436	ENSGACP00000025694	si:ch73-211i13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211i13.2
ENSGACG00000006311	ENSGACP00000008340	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSGACG00000016249	ENSGACP00000021435	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSGACG00000003497	ENSGACP00000004579	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSGACG00000010411	ENSGACP00000013752	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSGACG00000017728	ENSGACP00000022816	si:dkey-106i3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106i3.7
ENSGACG00000006806	ENSGACP00000009013	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSGACG00000019403	ENSGACP00000025649	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSGACG00000002677	ENSGACP00000003503	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSGACG00000004775	ENSGACP00000006297	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSGACG00000008776	ENSGACP00000011581	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSGACG00000012907	ENSGACP00000017050	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSGACG00000018719	ENSGACP00000024747	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSGACG00000020384	ENSGACP00000026944	si:dkey-17e16.8 [Source:ZFIN;Acc:ZDB-GENE-091204-248]	si:dkey-17e16.8
ENSGACG00000008960	ENSGACP00000011833	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSGACG00000006027	ENSGACP00000007969	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSGACG00000003420	ENSGACP00000004471	si:dkey-192g7.3 [Source:ZFIN;Acc:ZDB-GENE-070912-411]	si:dkey-192g7.3
ENSGACG00000004635	ENSGACP00000006117	si:dkey-193c22.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7957]	si:dkey-193c22.1
ENSGACG00000015588	ENSGACP00000020559	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSGACG00000005804	ENSGACP00000007662	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12
ENSGACG00000010203	ENSGACP00000013476	si:dkey-210j14.3 [Source:ZFIN;Acc:ZDB-GENE-131121-88]	si:dkey-210j14.3
ENSGACG00000009477	ENSGACP00000012499	si:dkey-221i4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221i4.10
ENSGACG00000018738	ENSGACP00000024777	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSGACG00000012932	ENSGACP00000017089	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSGACG00000002226	ENSGACP00000002887	si:dkey-34f9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-410]	si:dkey-34f9.3
ENSGACG00000014639	ENSGACP00000019323	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSGACG00000012649	ENSGACP00000016713	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSGACG00000006994	ENSGACP00000009264	si:dkey-42i9.8 [Source:ZFIN;Acc:ZDB-GENE-050208-412]	si:dkey-42i9.8
ENSGACG00000006179	ENSGACP00000008168	si:dkey-54n8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-569]	si:dkey-54n8.2
ENSGACG00000013592	ENSGACP00000017968	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSGACG00000001578	ENSGACP00000002061	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSGACG00000003625	ENSGACP00000004752	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSGACG00000012016	ENSGACP00000015898	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSGACG00000015809	ENSGACP00000020857	si:dkey-7i6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-586]	si:dkey-7i6.3
ENSGACG00000001289	ENSGACP00000001675	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSGACG00000012247	ENSGACP00000016198	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2

ENSGACG00000016263	ENSGACP00000021453	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSGACG00000016265	ENSGACP00000021454	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSGACG00000014698	ENSGACP00000019404	si:dkeyp-113d7.10 [Source:ZFIN;Acc:ZDB-GENE-061207-80]	si:dkeyp-113d7.10
ENSGACG00000005216	ENSGACP00000006896	si:dkeyp-117b11.2 [Source:ZFIN;Acc:ZDB-GENE-081104-454]	si:dkeyp-117b11.2
ENSGACG00000014337	ENSGACP00000018918	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSGACG00000013621	ENSGACP00000018005	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSGACG00000014367	ENSGACP00000018952	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1
ENSGACG00000007866	ENSGACP00000010422	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSGACG00000015265	ENSGACP00000020128	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSGACG00000020633	ENSGACP00000027291	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSGACG00000009630	ENSGACP00000012701	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSGACG00000009229	ENSGACP00000012178	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSGACG00000016059	ENSGACP00000021186	si:zfos-1762d12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1188]	si:zfos-1762d12.1
ENSGACG00000007884	ENSGACP00000010445	si:zfos-2269b6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-346]	si:zfos-2269b6.1
ENSGACG000000014776	ENSGACP00000019510	socs7	socs7
ENSGACG00000009216	ENSGACP00000012157	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	spaca4l
ENSGACG00000017894	ENSGACP00000023643	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSGACG00000005938	ENSGACP00000007848	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSGACG00000013589	ENSGACP00000017960	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tceb2
ENSGACG00000020423	ENSGACP00000027002	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSGACG00000003568	ENSGACP00000004671	translational machinery associated 7 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-061027-176]	tma7
ENSGACG00000008814	ENSGACP00000011631	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSGACG00000017136	ENSGACP00000022636	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSGACG00000016266	ENSGACP00000021457	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSGACG00000013220	ENSGACP00000017481	transmembrane protein 176l.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3532]	tmem176l.4
ENSGACG00000008661	ENSGACP00000011431	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tnks1bp1
ENSGACG00000012378	ENSGACP00000016360	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSGACG00000007785	ENSGACP00000010319	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSGACG00000002450	ENSGACP00000003195	wu:fc19g04 [Source:ZFIN;Acc:ZDB-GENE-030131-2853]	wu:fc19g04
ENSGACG00000002335	ENSGACP00000003036	wu:fj29h11 [Source:ZFIN;Acc:ZDB-GENE-030131-7558]	wu:fj29h11
ENSGACG00000002562	ENSGACP00000003348	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSGACG00000006012	ENSGACP00000007947	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSGACG00000015113	ENSGACP00000019935	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSGACG00000007858	ENSGACP00000010414	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSGACG00000004250	ENSGACP00000005623	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSGACG00000006731	ENSGACP00000008916	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSGACG00000012196	ENSGACP00000016138	zgc:161969 [Source:ZFIN;Acc:ZDB-GENE-030131-2597]	zgc:161969
ENSGACG00000013154	ENSGACP00000017393	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSGACG00000009173	ENSGACP00000012107	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSGACG00000010740	ENSGACP00000014214	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSGACG00000009565	ENSGACP00000012617	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSGACG00000012251	ENSGACP00000016202	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSGACG00000006782	ENSGACP00000008976	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSGACG00000004690	ENSGACP00000006182	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSGACG00000003349	ENSGACP00000004381	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSGACG00000017760	ENSGACP00000023465	zgc:85910 [Source:ZFIN;Acc:ZDB-GENE-030131-9405]	zgc:85910
ENSGACG000000007414	ENSGACP00000009831	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	ZNF576
ENSGACG00000000007	ENSGACP00000000007	novel gene	ENSGACG00000000007
ENSGACG00000000018	ENSGACP00000000024	novel gene	ENSGACG00000000018
ENSGACG00000000030	ENSGACP00000000042	novel gene	ENSGACG00000000030
ENSGACG00000000048	ENSGACP00000000063	novel gene	ENSGACG00000000048
ENSGACG00000000058	ENSGACP00000000076	novel gene	ENSGACG00000000058
ENSGACG00000000066	ENSGACP00000000085	novel gene	ENSGACG00000000066
ENSGACG00000000076	ENSGACP00000000093	novel gene	ENSGACG00000000076
ENSGACG00000000082	ENSGACP00000000101	novel gene	ENSGACG00000000082
ENSGACG00000000153	ENSGACP00000000203	novel gene	ENSGACG00000000153
ENSGACG00000000156	ENSGACP00000000208	novel gene	ENSGACG00000000156
ENSGACG00000000193	ENSGACP00000000249	novel gene	ENSGACG00000000193
ENSGACG00000000192	ENSGACP00000000250	novel gene	ENSGACG00000000192
ENSGACG00000000202	ENSGACP00000000260	novel gene	ENSGACG00000000202
ENSGACG00000000203	ENSGACP00000000261	novel gene	ENSGACG00000000203
ENSGACG00000000217	ENSGACP00000000281	novel gene	ENSGACG00000000217
ENSGACG00000000222	ENSGACP00000000287	novel gene	ENSGACG00000000222
ENSGACG00000000249	ENSGACP00000000321	novel gene	ENSGACG00000000249
ENSGACG00000000282	ENSGACP00000000353	novel gene	ENSGACG00000000282
ENSGACG00000000285	ENSGACP00000000359	novel gene	ENSGACG00000000285
ENSGACG00000000296	ENSGACP00000000377	novel gene	ENSGACG00000000296
ENSGACG00000000300	ENSGACP00000000384	novel gene	ENSGACG00000000300
ENSGACG00000000305	ENSGACP00000000386	novel gene	ENSGACG00000000305
ENSGACG00000000315	ENSGACP00000000399	novel gene	ENSGACG00000000315
ENSGACG00000000325	ENSGACP00000000411	novel gene	ENSGACG00000000325
ENSGACG00000000343	ENSGACP00000000433	novel gene	ENSGACG00000000343
ENSGACG00000000345	ENSGACP00000000435	novel gene	ENSGACG00000000345
ENSGACG00000000375	ENSGACP00000000480	novel gene	ENSGACG00000000375
ENSGACG00000000379	ENSGACP00000000484	novel gene	ENSGACG00000000379
ENSGACG00000000405	ENSGACP00000000520	novel gene	ENSGACG00000000405
ENSGACG00000000409	ENSGACP00000000526	novel gene	ENSGACG00000000409
ENSGACG00000000424	ENSGACP00000000545	novel gene	ENSGACG00000000424
ENSGACG00000000426	ENSGACP00000000547	novel gene	ENSGACG00000000426

ENSGACG00000020448	ENSGACP00000027040	novel gene	ENSGACG00000020448
ENSGACG00000020484	ENSGACP00000027089	novel gene	ENSGACG00000020484
ENSGACG00000020490	ENSGACP00000027096	novel gene	ENSGACG00000020490
ENSGACG00000020491	ENSGACP00000027097	novel gene	ENSGACG00000020491
ENSGACG00000020496	ENSGACP00000027103	novel gene	ENSGACG00000020496
ENSGACG00000020518	ENSGACP00000027130	novel gene	ENSGACG00000020518
ENSGACG00000020527	ENSGACP00000027140	novel gene	ENSGACG00000020527
ENSGACG00000020611	ENSGACP00000027261	novel gene	ENSGACG00000020611
ENSGACG00000020646	ENSGACP00000027308	novel gene	ENSGACG00000020646
ENSGACG00000020648	ENSGACP00000027310	novel gene	ENSGACG00000020648
ENSGACG00000020670	ENSGACP00000027336	novel gene	ENSGACG00000020670
ENSGACG00000020772	ENSGACP00000027465	novel gene	ENSGACG00000020772
ENSGACG00000020782	ENSGACP00000027478	novel gene	ENSGACG00000020782
ENSGACG00000020792	ENSGACP00000027492	novel gene	ENSGACG00000020792
ENSGACG00000020801	ENSGACP00000027502	novel gene	ENSGACG00000020801
ENSGACG00000020802	ENSGACP00000027503	novel gene	ENSGACG00000020802
ENSGACG00000020806	ENSGACP00000027508	novel gene	ENSGACG00000020806
ENSGACG00000020809	ENSGACP00000027511	novel gene	ENSGACG00000020809
ENSGACG00000020818	ENSGACP00000027524	novel gene	ENSGACG00000020818
ENSGACG00000020828	ENSGACP00000027537	novel gene	ENSGACG00000020828
ENSGACG00000020833	ENSGACP00000027544	novel gene	ENSGACG00000020833
ENSGACG00000020852	ENSGACP00000027570	novel gene	ENSGACG00000020852
ENSGACG00000020860	ENSGACP00000027581	novel gene	ENSGACG00000020860
ENSGACG00000020868	ENSGACP00000027592	novel gene	ENSGACG00000020868
ENSGACG00000020881	ENSGACP00000027609	novel gene	ENSGACG00000020881
ENSGACG00000020882	ENSGACP00000027610	novel gene	ENSGACG00000020882
ENSGACG00000020886	ENSGACP00000027618	novel gene	ENSGACG00000020886
ENSGACG00000020891	ENSGACP00000027625	novel gene	ENSGACG00000020891
ENSGACG00000020893	ENSGACP00000027627	novel gene	ENSGACG00000020893
ENSGACG00000020898	ENSGACP00000027632	novel gene	ENSGACG00000020898
ENSGACG00000020911	ENSGACP00000027651	novel gene	ENSGACG00000020911

Supplemental table 67. Tetraodon specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSTNIG00000003983	ENSTNIP00000003641	alpha-2-HS-glycoprotein [Source:ZFIN;Acc:ZDB-GENE-041114-50]	ahsg
ENSTNIG00000015727	ENSTNIP00000018802	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSTNIG00000006405	ENSTNIP00000009173	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSTNIG00000006404	ENSTNIP00000009172	apolipoprotein C-II [Source:ZFIN;Acc:ZDB-GENE-030131-2168]	apoc2
ENSTNIG00000001285	ENSTNIP00000001845	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3C059]	ASIP2
ENSTNIG00000005691	ENSTNIP00000008041	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSTNIG00000014252	ENSTNIP00000017266	Chromosome undetermined SCAF14965, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:C3ORF14]	C3ORF14
ENSTNIG00000002765	ENSTNIP00000005326	calpastatin [Source:ZFIN;Acc:ZDB-GENE-050810-2]	cast
ENSTNIG00000001447	ENSTNIP00000000873	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSTNIG00000014494	ENSTNIP00000017517	CD99 molecule [Source:ZFIN;Acc:ZDB-GENE-061103-391]	cd99
ENSTNIG000000017268	ENSTNIP000000020406	claudin 23 [Source:HGNC Symbol;Acc:HGNC:17591]	CLDN23
ENSTNIG00000006001	ENSTNIP00000008741	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSTNIG00000000781	ENSTNIP00000000498	cytokine receptor family member b1 [Source:ZFIN;Acc:ZDB-GENE-030131-8673]	crfb1
ENSTNIG00000006304	ENSTNIP000000009064	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSTNIG00000005055	ENSTNIP00000007720	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZ14]	CRFB6
ENSTNIG00000018461	ENSTNIP000000021635	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RHT5]	FXYD5
ENSTNIG00000000723	ENSTNIP00000002250	Gastrin; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q8AXP5]	GAS
ENSTNIG00000013337	ENSTNIP00000016327	Gonadoliberin [Source:UniProtKB/TrEMBL;Acc:Q3LG41]	GNRH-III
ENSTNIG00000016847	ENSTNIP00000019960	Chromosome 1 SCAF15008, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RP54]	GSTENG10000688001
ENSTNIG00000007261	ENSTNIP00000010065	Chromosome 11 SCAF14528, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SRD]	GSTENG10003883001
ENSTNIG00000008838	ENSTNIP00000011689	Chromosome 13 SCAF14566, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4SKA]	GSTENG10005279001
ENSTNIG00000002515	ENSTNIP00000005065	Chromosome undetermined SCAF7053, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQF8]	GSTENG10007217001
ENSTNIG00000016433	ENSTNIP00000019531	Chromosome 2 SCAF15004, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQF8]	GSTENG10013022001
ENSTNIG00000011934	ENSTNIP00000014894	Chromosome 3 SCAF14707, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4S8A2]	GSTENG10015208001
ENSTNIG00000005658	ENSTNIP00000008365	Chromosome undetermined SCAF12061, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQF8]	GSTENG10022217001
ENSTNIG00000011238	ENSTNIP00000014176	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQF8]	GSTENG10022641001
ENSTNIG00000011645	ENSTNIP00000014597	hairy and enhancer of split related-7 [Source:ZFIN;Acc:ZDB-GENE-000427-6]	her7
ENSTNIG00000003394	ENSTNIP00000005981	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSTNIG00000014760	ENSTNIP00000017797	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hnga2
ENSTNIG00000011156	ENSTNIP00000000884	heat shock protein, alpha-crystallin-related, 9 [Source:ZFIN;Acc:ZDB-GENE-080214-6]	hspb9
ENSTNIG00000011311	ENSTNIP00000014252	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSTNIG00000000946	ENSTNIP00000001386	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSTNIG00000000661	ENSTNIP00000000888	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSTNIG00000011180	ENSTNIP00000004182	Interleukin [Source:UniProtKB/TrEMBL;Acc:H3C7G0]	IL15
ENSTNIG00000000265	ENSTNIP00000001285	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BZ69]	IL-18
ENSTNIG00000001329	ENSTNIP00000000648	Chromosome undetermined SCAF13843, whole genome shotgun sequence; Interleukin-24; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQF8]	IL24
ENSTNIG00000015373	ENSTNIP00000018437	izumo sperm-egg fusion 1 [Source:HGNC Symbol;Acc:HGNC:28539]	IZUMO1
ENSTNIG00000005528	ENSTNIP00000023001	lysine (K)-specific demethylase 6b, b [Source:ZFIN;Acc:ZDB-GENE-040724-166]	kdm6bb
ENSTNIG00000015034	ENSTNIP00000018085	ladinin [Source:ZFIN;Acc:ZDB-GENE-030616-268]	lad1
ENSTNIG00000008924	ENSTNIP00000011777	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSTNIG00000001209	ENSTNIP00000001959	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSTNIG00000004037	ENSTNIP000000006647	Chromosome undetermined SCAF9059, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RQF8]	MLPKIP
ENSTNIG00000008823	ENSTNIP00000011674	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSTNIG00000001126	ENSTNIP00000002796	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSTNIG00000000469	ENSTNIP00000000525	notch homolog, like [Source:ZFIN;Acc:ZDB-GENE-070220-2]	notchl
ENSTNIG00000010568	ENSTNIP00000013480	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSTNIG00000012654	ENSTNIP00000015627	PRKC, apoptosis, WT1, regulator [Source:ZFIN;Acc:ZDB-GENE-041010-108]	pawr
ENSTNIG00000005205	ENSTNIP00000007881	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSTNIG00000001517	ENSTNIP00000002193	pancreatic progenitor cell differentiation and proliferation factor b [Source:ZFIN;Acc:ZDB-GENE-030131-8247]	ppdpfb
ENSTNIG00000000106	ENSTNIP00000002111	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnpr3
ENSTNIG00000000204	ENSTNIP00000000330	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSTNIG00000015855	ENSTNIP00000018940	rhomboid domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-070705-39]	rhbdd3
ENSTNIG00000005885	ENSTNIP00000022628	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rp4
ENSTNIG00000000513	ENSTNIP00000000090	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rp5
ENSTNIG000000004240	ENSTNIP00000006865	sterile alpha motif domain containing 10a [Source:ZFIN;Acc:ZDB-GENE-080204-53]	samd10a
ENSTNIG00000010565	ENSTNIP00000013477	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSTNIG00000002620	ENSTNIP00000005173	si:busm1-57f23.1 [Source:ZFIN;Acc:ZDB-GENE-030616-512]	si:busm1-57f23.1
ENSTNIG00000004656	ENSTNIP00000007309	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSTNIG00000010399	ENSTNIP00000013306	si:ch1073-296i8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-9]	si:ch1073-296i8.2
ENSTNIG00000001160	ENSTNIP00000001902	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSTNIG00000010020	ENSTNIP00000012915	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSTNIG00000015143	ENSTNIP00000003881	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSTNIG00000003131	ENSTNIP00000005703	si:ch211-167j9.4 [Source:ZFIN;Acc:ZDB-GENE-131121-196]	si:ch211-167j9.4
ENSTNIG00000003592	ENSTNIP000000006182	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSTNIG00000018375	ENSTNIP00000021544	si:ch211-197h24.6 [Source:ZFIN;Acc:ZDB-GENE-030131-1361]	si:ch211-197h24.6
ENSTNIG00000000108	ENSTNIP00000001866	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSTNIG00000017019	ENSTNIP000000020145	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENSTNIG00000007888	ENSTNIP00000010708	si:ch211-252f13.5 [Source:ZFIN;Acc:ZDB-GENE-131121-629]	si:ch211-252f13.5
ENSTNIG00000012508	ENSTNIP00000001645	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENSTNIG00000006249	ENSTNIP00000009002	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSTNIG00000011473	ENSTNIP00000014420	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSTNIG00000017574	ENSTNIP000000020720	si:ch211-81a5.8 [Source:ZFIN;Acc:ZDB-GENE-060503-138]	si:ch211-81a5.8
ENSTNIG00000005522	ENSTNIP00000008221	si:ch73-112i6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112i6.1
ENSTNIG00000014455	ENSTNIP00000014744	si:ch73-127m5.2 [Source:ZFIN;Acc:ZDB-GENE-030131-1052]	si:ch73-127m5.2
ENSTNIG00000005437	ENSTNIP00000008125	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSTNIG00000003769	ENSTNIP00000006369	si:ch73-211i13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211i13.2

ENSTNIG00000005280	ENSTNIP00000007959	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSTNIG00000002718	ENSTNIP00000005276	si:ch73-265d7.2 [Source:ZFIN;Acc:ZDB-GENE-100922-146]	si:ch73-265d7.2
ENSTNIG00000004177	ENSTNIP00000006798	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSTNIG000000016755	ENSTNIP00000019865	si:dkey-112e17.1 [Source:ZFIN;Acc:ZDB-GENE-060526-193]	si:dkey-112e17.1
ENSTNIG00000008210	ENSTNIP00000011038	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSTNIG00000000872	ENSTNIP0000000802	si:dkey-126g1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126g1.9
ENSTNIG00000004975	ENSTNIP00000007640	si:dkey-172o19.2 [Source:ZFIN;Acc:ZDB-GENE-070424-213]	si:dkey-172o19.2
ENSTNIG00000001148	ENSTNIP00000000172	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSTNIG00000001308	ENSTNIP00000001499	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSTNIG00000017942	ENSTNIP00000021103	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSTNIG00000000520	ENSTNIP00000003008	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSTNIG00000012466	ENSTNIP00000015436	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSTNIG00000017959	ENSTNIP00000021121	si:dkey-30c15.13 [Source:ZFIN;Acc:ZDB-GENE-060503-73]	si:dkey-30c15.13
ENSTNIG00000003217	ENSTNIP00000005799	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSTNIG00000004201	ENSTNIP00000006824	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSTNIG00000014924	ENSTNIP00000017969	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSTNIG00000014220	ENSTNIP00000017233	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSTNIG00000000208	ENSTNIP00000002969	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSTNIG00000008013	ENSTNIP00000010835	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSTNIG00000001275	ENSTNIP00000002877	si:rp71-40n14.7 [Source:ZFIN;Acc:ZDB-GENE-131121-525]	si:rp71-40n14.7
ENSTNIG00000000719	ENSTNIP00000000647	si:zfos-411a11.3 [Source:ZFIN;Acc:ZDB-GENE-131121-489]	si:zfos-411a11.3
ENSTNIG00000001906	ENSTNIP00000004284	spindle and centriole associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-041212-64]	splice1
ENSTNIG00000000575	ENSTNIP00000000283	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSTNIG00000009017	ENSTNIP00000011873	surfeit 2 [Source:HGNC Symbol;Acc:HGNC:11475]	SURF2
ENSTNIG00000000605	ENSTNIP00000000122	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWG4]	TF2
ENSTNIG00000006016	ENSTNIP00000008758	thyroglobulin [Source:HGNC Symbol;Acc:HGNC:11764]	TG
ENSTNIG00000006564	ENSTNIP00000009338	Translation machinery-associated protein 7 [Source:UniProtKB/Swiss-Prot;Acc:Q4SUE2]	TMA7
ENSTNIG00000017800	ENSTNIP00000020952	transmembrane protein 176 [Source:ZFIN;Acc:ZDB-GENE-080902-2]	tmem176
ENSTNIG00000004869	ENSTNIP00000007532	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:28444]	TMEM42
ENSTNIG00000002945	ENSTNIP00000000513	tetraspanin 19 [Source:HGNC Symbol;Acc:HGNC:31886]	TSPAN19
ENSTNIG00000000219	ENSTNIP000000002161	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSTNIG00000010180	ENSTNIP00000013079	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSTNIG00000013012	ENSTNIP00000015991	wu:fj30f06 [Source:ZFIN;Acc:ZDB-GENE-030131-7567]	wu:fj30f06
ENSTNIG00000000337	ENSTNIP000000001557	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSTNIG00000001992	ENSTNIP00000004397	zgc:113232 [Source:ZFIN;Acc:ZDB-GENE-050327-86]	zgc:113232
ENSTNIG00000015999	ENSTNIP00000019088	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSTNIG00000017478	ENSTNIP00000020622	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSTNIG00000016419	ENSTNIP00000019517	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSTNIG00000005935	ENSTNIP00000008669	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSTNIG00000000363	ENSTNIP00000000407	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSTNIG00000015245	ENSTNIP00000018303	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSTNIG00000015027	ENSTNIP00000018078	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSTNIG00000012571	ENSTNIP00000015540	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSTNIG00000006508	ENSTNIP00000009278	zinc finger protein 281 [Source:HGNC Symbol;Acc:HGNC:13075]	ZNF281
ENSTNIG00000001371	ENSTNIP00000000016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVK4]	ENSTNIG00000001371
ENSTNIG00000001069	ENSTNIP000000000044	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVN2]	ENSTNIG00000001069
ENSTNIG00000001400	ENSTNIP000000000056	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVP4]	ENSTNIG00000001400
ENSTNIG00000000869	ENSTNIP000000000085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVS3]	ENSTNIG00000000869
ENSTNIG00000001734	ENSTNIP00000000118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BVV6]	ENSTNIG00000001734
ENSTNIG00000001579	ENSTNIP00000000150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BYY8]	ENSTNIG00000001579
ENSTNIG00000000461	ENSTNIP00000000169	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW07]	ENSTNIG00000000461
ENSTNIG00000001332	ENSTNIP00000000179	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW17]	ENSTNIG00000001332
ENSTNIG00000000995	ENSTNIP00000000203	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWA4]	ENSTNIG00000000995
ENSTNIG00000001509	ENSTNIP00000000212	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW50]	ENSTNIG00000001509
ENSTNIG00000000405	ENSTNIP00000000243	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW81]	ENSTNIG00000000405
ENSTNIG00000001434	ENSTNIP00000000263	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWA1]	ENSTNIG00000001434
ENSTNIG00000000891	ENSTNIP00000000271	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWA9]	ENSTNIG00000000891
ENSTNIG00000000636	ENSTNIP00000000305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWE3]	ENSTNIG00000000636
ENSTNIG00000000424	ENSTNIP00000000380	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWL8]	ENSTNIG00000000424
ENSTNIG00000001341	ENSTNIP00000000385	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWM3]	ENSTNIG00000001341
ENSTNIG00000000734	ENSTNIP00000000408	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWP5]	ENSTNIG00000000734
ENSTNIG000000001737	ENSTNIP00000000431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWR8]	ENSTNIG000000001737
ENSTNIG00000000795	ENSTNIP00000000454	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWU1]	ENSTNIG00000000795
ENSTNIG00000001483	ENSTNIP00000000487	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW4X]	ENSTNIG00000001483
ENSTNIG000000001709	ENSTNIP00000000488	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BWX5]	ENSTNIG000000001709
ENSTNIG00000001617	ENSTNIP00000000518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX05]	ENSTNIG00000001617
ENSTNIG00000000525	ENSTNIP00000000522	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX09]	ENSTNIG00000000525
ENSTNIG000000002544	ENSTNIP00000000526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX13]	ENSTNIG000000002544
ENSTNIG00000001630	ENSTNIP00000000531	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX18]	ENSTNIG00000001630
ENSTNIG00000001180	ENSTNIP00000000533	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX20]	ENSTNIG00000001180
ENSTNIG00000001227	ENSTNIP00000000544	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX31]	ENSTNIG00000001227
ENSTNIG00000001615	ENSTNIP00000000558	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX45]	ENSTNIG00000001615
ENSTNIG00000000910	ENSTNIP00000000594	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX81]	ENSTNIG00000000910
ENSTNIG00000001587	ENSTNIP00000000610	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BX97]	ENSTNIG00000001587
ENSTNIG00000000683	ENSTNIP00000000620	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXA7]	ENSTNIG00000000683
ENSTNIG00000001592	ENSTNIP00000000657	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXE4]	ENSTNIG00000001592
ENSTNIG00000000317	ENSTNIP00000000665	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXF2]	ENSTNIG00000000317
ENSTNIG00000000066	ENSTNIP00000000688	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXH5]	ENSTNIG00000000066
ENSTNIG00000000266	ENSTNIP00000000794	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BXT1]	ENSTNIG00000000266

ENSTNIG0000001271	ENSTNIP0000000818	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXV5]	ENSTNIG0000001271
ENSTNIG0000001261	ENSTNIP0000000890	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY25]	ENSTNIG0000001261
ENSTNIG0000001210	ENSTNIP0000000918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY53]	ENSTNIG0000001210
ENSTNIG0000001108	ENSTNIP0000000961	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY96]	ENSTNIG0000001108
ENSTNIG0000000030	ENSTNIP0000001069	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYK3]	ENSTNIG0000000030
ENSTNIG0000000501	ENSTNIP0000001092	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYM6]	ENSTNIG0000000501
ENSTNIG0000000369	ENSTNIP0000001114	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYP8]	ENSTNIG0000000369
ENSTNIG0000000733	ENSTNIP0000001117	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYQ1]	ENSTNIG0000000733
ENSTNIG0000000794	ENSTNIP0000001169	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYV3]	ENSTNIG0000000794
ENSTNIG0000000851	ENSTNIP0000001175	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYV9]	ENSTNIG0000000851
ENSTNIG0000000964	ENSTNIP0000001192	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYX6]	ENSTNIG0000000964
ENSTNIG0000000953	ENSTNIP0000001214	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYZ8]	ENSTNIG0000000953
ENSTNIG0000000759	ENSTNIP0000001248	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ32]	ENSTNIG0000000759
ENSTNIG0000000783	ENSTNIP0000001266	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ50]	ENSTNIG0000000783
ENSTNIG0000001373	ENSTNIP0000001297	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ81]	ENSTNIG0000001373
ENSTNIG0000000096	ENSTNIP0000001331	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZ85]	ENSTNIG0000000096
ENSTNIG0000000554	ENSTNIP0000001390	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZH4]	ENSTNIG0000000554
ENSTNIG0000000570	ENSTNIP0000001407	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZJ1]	ENSTNIG0000000570
ENSTNIG0000001595	ENSTNIP0000001427	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZL1]	ENSTNIG0000001595
ENSTNIG0000000240	ENSTNIP0000001460	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZP4]	ENSTNIG0000000240
ENSTNIG0000000491	ENSTNIP0000001468	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZQ2]	ENSTNIG0000000491
ENSTNIG00000007929	ENSTNIP0000001543	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZX7]	ENSTNIG00000007929
ENSTNIG0000000930	ENSTNIP0000001561	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZZ5]	ENSTNIG0000000930
ENSTNIG0000000786	ENSTNIP0000001666	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0A0]	ENSTNIG0000000786
ENSTNIG0000000091	ENSTNIP0000001745	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0H9]	ENSTNIG0000000091
ENSTNIG0000000475	ENSTNIP0000001746	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0I0]	ENSTNIG0000000475
ENSTNIG0000000036	ENSTNIP0000001808	Interleukin	[Source:UniProtKB/TrEMBL;Acc:H3C5V2]	ENSTNIG0000000036
ENSTNIG00000001266	ENSTNIP0000001812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0P6]	ENSTNIG00000001266
ENSTNIG0000000986	ENSTNIP0000001827	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0R1]	ENSTNIG0000000986
ENSTNIG0000001458	ENSTNIP0000001841	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0S5]	ENSTNIG0000001458
ENSTNIG00000001481	ENSTNIP0000001843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C0S7]	ENSTNIG00000001481
ENSTNIG0000000671	ENSTNIP0000001862	novel gene		ENSTNIG0000000671
ENSTNIG0000000088	ENSTNIP0000001922	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C106]	ENSTNIG0000000088
ENSTNIG00000017218	ENSTNIP0000001963	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C147]	ENSTNIG00000017218
ENSTNIG0000001179	ENSTNIP0000002057	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1E1]	ENSTNIG0000001179
ENSTNIG0000000206	ENSTNIP0000002099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1I3]	ENSTNIG0000000206
ENSTNIG00000001127	ENSTNIP0000002101	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1I5]	ENSTNIG00000001127
ENSTNIG0000001528	ENSTNIP0000002106	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1J0]	ENSTNIG0000001528
ENSTNIG0000000400	ENSTNIP0000002127	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1L1]	ENSTNIG0000000400
ENSTNIG00000001244	ENSTNIP0000002191	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1S4]	ENSTNIG00000001244
ENSTNIG0000000849	ENSTNIP0000002206	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1T9]	ENSTNIG0000000849
ENSTNIG0000001346	ENSTNIP0000002208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1U1]	ENSTNIG0000001346
ENSTNIG00000001707	ENSTNIP0000002210	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1U3]	ENSTNIG00000001707
ENSTNIG0000000591	ENSTNIP0000002225	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1V8]	ENSTNIG0000000591
ENSTNIG0000000991	ENSTNIP0000002246	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C1X9]	ENSTNIG0000000991
ENSTNIG0000000051	ENSTNIP0000002307	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C239]	ENSTNIG0000000051
ENSTNIG0000000286	ENSTNIP0000002370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2A2]	ENSTNIG0000000286
ENSTNIG0000001470	ENSTNIP0000002382	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2B4]	ENSTNIG0000001470
ENSTNIG0000001479	ENSTNIP0000002386	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BWQ0]	ENSTNIG0000001479
ENSTNIG0000001020	ENSTNIP0000002404	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2D6]	ENSTNIG0000001020
ENSTNIG0000001618	ENSTNIP0000002416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2E8]	ENSTNIG0000001618
ENSTNIG0000000774	ENSTNIP0000002421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2F3]	ENSTNIG0000000774
ENSTNIG00000001008	ENSTNIP0000002459	novel gene		ENSTNIG00000001008
ENSTNIG0000000969	ENSTNIP0000002494	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2M6]	ENSTNIG0000000969
ENSTNIG0000001720	ENSTNIP0000002527	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C122]	ENSTNIG0000001720
ENSTNIG0000000348	ENSTNIP0000002542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2S4]	ENSTNIG0000000348
ENSTNIG0000001466	ENSTNIP0000002544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2S6]	ENSTNIG0000001466
ENSTNIG0000000300	ENSTNIP0000002566	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2U8]	ENSTNIG0000000300
ENSTNIG0000001751	ENSTNIP0000002612	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2Z4]	ENSTNIG0000001751
ENSTNIG0000000592	ENSTNIP0000002615	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C2Z7]	ENSTNIG0000000592
ENSTNIG0000000426	ENSTNIP0000002621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C303]	ENSTNIG0000000426
ENSTNIG0000000117	ENSTNIP0000002693	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C374]	ENSTNIG0000000117
ENSTNIG0000001384	ENSTNIP0000002707	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C388]	ENSTNIG0000001384
ENSTNIG00000002430	ENSTNIP0000002723	Natriuretic peptide	[Source:UniProtKB/TrEMBL;Acc:H3C3A4]	ENSTNIG00000002430
ENSTNIG00000001185	ENSTNIP0000002727	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3A8]	ENSTNIG00000001185
ENSTNIG0000000929	ENSTNIP0000002734	Natriuretic peptide	[Source:UniProtKB/TrEMBL;Acc:H3C3B5]	ENSTNIG0000000929
ENSTNIG0000001679	ENSTNIP0000002753	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3D4]	ENSTNIG0000001679
ENSTNIG00000001732	ENSTNIP0000002776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3F7]	ENSTNIG00000001732
ENSTNIG0000000443	ENSTNIP0000002786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3G7]	ENSTNIG0000000443
ENSTNIG0000000445	ENSTNIP0000002812	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3J3]	ENSTNIG0000000445
ENSTNIG0000000359	ENSTNIP0000002850	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3N1]	ENSTNIG0000000359
ENSTNIG0000000625	ENSTNIP0000002902	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T3]	ENSTNIG0000000625
ENSTNIG0000001011	ENSTNIP0000002906	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T7]	ENSTNIG0000001011
ENSTNIG0000000024	ENSTNIP0000002907	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T8]	ENSTNIG0000000024
ENSTNIG0000000367	ENSTNIP0000002937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3W8]	ENSTNIG0000000367
ENSTNIG0000000351	ENSTNIP0000002938	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C081]	ENSTNIG0000000351
ENSTNIG0000000965	ENSTNIP0000002964	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3Z5]	ENSTNIG0000000965
ENSTNIG0000000068	ENSTNIP0000002984	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C415]	ENSTNIG0000000068
ENSTNIG0000002691	ENSTNIP0000003047	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C478]	ENSTNIG0000002691

ENSTNIG0000000380	ENSTNIP00000003082	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4B3]	ENSTNIG0000000380
ENSTNIG0000001643	ENSTNIP00000003126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4F7]	ENSTNIG00000001643
ENSTNIG00000000031	ENSTNIP00000003158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4I9]	ENSTNIG00000000031
ENSTNIG00000000983	ENSTNIP00000003218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4P9]	ENSTNIG00000000983
ENSTNIG0000001474	ENSTNIP00000003234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4R5]	ENSTNIG0000001474
ENSTNIG00000001514	ENSTNIP00000003236	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4R7]	ENSTNIG00000001514
ENSTNIG00000000473	ENSTNIP00000003256	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C4T7]	ENSTNIG00000000473
ENSTNIG00000000025	ENSTNIP00000003336	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C517]	ENSTNIG00000000025
ENSTNIG00000000002	ENSTNIP00000003408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C589]	ENSTNIG00000000002
ENSTNIG0000001165	ENSTNIP00000003433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5B4]	ENSTNIG0000001165
ENSTNIG0000001301	ENSTNIP00000003458	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5D9]	ENSTNIG0000001301
ENSTNIG00000000958	ENSTNIP00000003501	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I2]	ENSTNIG00000000958
ENSTNIG0000001433	ENSTNIP00000003504	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C5I5]	ENSTNIG0000001433
ENSTNIG0000001507	ENSTNIP00000003544	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXX1]	ENSTNIG0000001507
ENSTNIG00000003659	ENSTNIP00000003639	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BXA6]	ENSTNIG00000003659
ENSTNIG0000000668	ENSTNIP00000003674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C604]	ENSTNIG0000000668
ENSTNIG0000001823	ENSTNIP00000003680	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZR4]	ENSTNIG0000001823
ENSTNIG00000000481	ENSTNIP00000003721	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C651]	ENSTNIG00000000481
ENSTNIG0000000138	ENSTNIP00000003730	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C660]	ENSTNIG0000000138
ENSTNIG00000000374	ENSTNIP00000003794	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6C4]	ENSTNIG00000000374
ENSTNIG00000000308	ENSTNIP00000003823	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6F3]	ENSTNIG00000000308
ENSTNIG00000000682	ENSTNIP00000003860	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6J0]	ENSTNIG00000000682
ENSTNIG0000001666	ENSTNIP00000003897	novel gene		ENSTNIG0000001666
ENSTNIG0000001616	ENSTNIP00000003928	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BYL4]	ENSTNIG0000001616
ENSTNIG00000000679	ENSTNIP00000003976	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C6V5]	ENSTNIG00000000679
ENSTNIG00000000504	ENSTNIP00000004101	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C780]	ENSTNIG00000000504
ENSTNIG0000001814	ENSTNIP00000004179	novel gene		ENSTNIG0000001814
ENSTNIG0000001816	ENSTNIP00000004181	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7F9]	ENSTNIG0000001816
ENSTNIG0000001830	ENSTNIP00000004203	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7I1]	ENSTNIG0000001830
ENSTNIG0000001860	ENSTNIP00000004234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7L2]	ENSTNIG0000001860
ENSTNIG0000001875	ENSTNIP00000004250	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7M8]	ENSTNIG0000001875
ENSTNIG0000001893	ENSTNIP00000004268	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7P6]	ENSTNIG0000001893
ENSTNIG0000001972	ENSTNIP00000004369	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7Z7]	ENSTNIG0000001972
ENSTNIG0000002079	ENSTNIP00000004510	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8D8]	ENSTNIG0000002079
ENSTNIG0000002215	ENSTNIP00000004670	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8U8]	ENSTNIG0000002215
ENSTNIG00000000078	ENSTNIP00000004678	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BZG8]	ENSTNIG00000000078
ENSTNIG0000002238	ENSTNIP00000004698	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C8X6]	ENSTNIG0000002238
ENSTNIG0000002283	ENSTNIP00000004756	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C934]	ENSTNIG0000002283
ENSTNIG0000002324	ENSTNIP00000004809	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C316]	ENSTNIG0000002324
ENSTNIG00000002326	ENSTNIP00000004811	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C989]	ENSTNIG00000002326
ENSTNIG0000006184	ENSTNIP00000004875	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9F3]	ENSTNIG0000006184
ENSTNIG0000002452	ENSTNIP00000004987	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9R5]	ENSTNIG0000002452
ENSTNIG0000002517	ENSTNIP00000005067	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9Z5]	ENSTNIG0000002517
ENSTNIG0000002521	ENSTNIP00000005072	Chromosome undetermined SCAF7053, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C9Z5]	ENSTNIG0000002521
ENSTNIG0000002824	ENSTNIP00000005388	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAW6]	ENSTNIG0000002824
ENSTNIG0000002827	ENSTNIP00000005391	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAW9]	ENSTNIG0000002827
ENSTNIG0000002835	ENSTNIP00000005400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAX8]	ENSTNIG0000002835
ENSTNIG0000002842	ENSTNIP00000005407	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CAY5]	ENSTNIG0000002842
ENSTNIG0000002867	ENSTNIP00000005433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CB11]	ENSTNIG0000002867
ENSTNIG0000001861	ENSTNIP00000005493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CZQ7]	ENSTNIG0000001861
ENSTNIG0000003244	ENSTNIP00000005827	Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CZQ7]	ENSTNIG0000003244
ENSTNIG0000003245	ENSTNIP00000005828	Chromosome undetermined SCAF7612, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CZQ7]	ENSTNIG0000003245
ENSTNIG0000003329	ENSTNIP00000005915	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CCE3]	ENSTNIG0000003329
ENSTNIG0000003700	ENSTNIP00000006299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDH6]	ENSTNIG0000003700
ENSTNIG0000003750	ENSTNIP00000006350	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDM7]	ENSTNIG0000003750
ENSTNIG0000003796	ENSTNIP00000006396	Chromosome 2 SCAF8387, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4T713]	ENSTNIG0000003796
ENSTNIG0000003815	ENSTNIP00000006416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CDU2]	ENSTNIG0000003815
ENSTNIG0000003912	ENSTNIP00000006519	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE45]	ENSTNIG0000003912
ENSTNIG0000003980	ENSTNIP00000006589	Chromosome undetermined SCAF8929, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE45]	ENSTNIG0000003980
ENSTNIG0000004070	ENSTNIP00000006681	Chromosome undetermined SCAF9151, whole genome shotgun sequence.; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE45]	ENSTNIG0000004070
ENSTNIG0000004105	ENSTNIP00000006722	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CEP8]	ENSTNIG0000004105
ENSTNIG0000004128	ENSTNIP00000006745	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CE51]	ENSTNIG0000004128
ENSTNIG0000004272	ENSTNIP00000006901	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CF77]	ENSTNIG0000004272
ENSTNIG0000004625	ENSTNIP00000007276	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CG99]	ENSTNIG0000004625
ENSTNIG0000004637	ENSTNIP00000007288	novel gene		ENSTNIG0000004637
ENSTNIG0000004679	ENSTNIP00000007332	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CGF4]	ENSTNIG0000004679
ENSTNIG0000004926	ENSTNIP00000007591	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CHE3]	ENSTNIG0000004926
ENSTNIG0000004965	ENSTNIP00000007630	Chromosome undetermined SCAF10538, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CHE3]	ENSTNIG0000004965
ENSTNIG0000005236	ENSTNIP00000007913	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3BY40]	ENSTNIG0000005236
ENSTNIG0000005240	ENSTNIP00000007917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C7H3]	ENSTNIG0000005240
ENSTNIG0000005274	ENSTNIP00000007953	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CI75]	ENSTNIG0000005274
ENSTNIG0000005294	ENSTNIP00000007974	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CBH9]	ENSTNIG0000005294
ENSTNIG0000005310	ENSTNIP00000007991	Xylose isomerase	[Source:UniProtKB/TrEMBL;Acc:Q4T049]	ENSTNIG0000005310
ENSTNIG0000005408	ENSTNIP00000008094	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIL6]	ENSTNIG0000005408
ENSTNIG0000005434	ENSTNIP00000008122	Chromosome 21 SCAF11596, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SZK]	ENSTNIG0000005434
ENSTNIG0000005435	ENSTNIP00000008123	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIP5]	ENSTNIG0000005435
ENSTNIG0000005637	ENSTNIP00000008342	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CIB3]	ENSTNIG0000005637
ENSTNIG0000005775	ENSTNIP00000008491	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CBX5]	ENSTNIG0000005775
ENSTNIG0000005812	ENSTNIP00000008534	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3C3T5]	ENSTNIG0000005812

ENSTNIG0000005939	ENSTNIP00000008674	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CK95]	ENSTNIG0000005939
ENSTNIG0000005958	ENSTNIP00000008693	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKB4]	ENSTNIG0000005958
ENSTNIG0000005972	ENSTNIP00000008709	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKD0]	ENSTNIG0000005972
ENSTNIG0000006048	ENSTNIP00000008791	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKL2]	ENSTNIG0000006048
ENSTNIG0000006087	ENSTNIP00000008831	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKQ2]	ENSTNIG0000006087
ENSTNIG0000006170	ENSTNIP00000008918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CKY9]	ENSTNIG0000006170
ENSTNIG0000006223	ENSTNIP00000008973	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CL44]	ENSTNIG0000006223
ENSTNIG0000006275	ENSTNIP00000009034	Chromosome undetermined SCAF13751, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLQ8]	ENSTNIG0000006275
ENSTNIG0000006419	ENSTNIP00000009187	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLQ8]	ENSTNIG0000006419
ENSTNIG0000006482	ENSTNIP00000009251	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLX1]	ENSTNIG0000006482
ENSTNIG0000006483	ENSTNIP00000009252	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CLX2]	ENSTNIG0000006483
ENSTNIG0000006498	ENSTNIP00000009267	Chromosome undetermined SCAF13844, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CM00]	ENSTNIG0000006498
ENSTNIG0000006510	ENSTNIP00000009280	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CM00]	ENSTNIG0000006510
ENSTNIG0000006614	ENSTNIP00000009391	Chromosome undetermined SCAF14010, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CNF2]	ENSTNIG0000006614
ENSTNIG0000006852	ENSTNIP00000009645	Chromosome undetermined SCAF14317, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000006852
ENSTNIG0000006983	ENSTNIP00000009783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CNF2]	ENSTNIG0000006983
ENSTNIG0000007200	ENSTNIP00000010003	Chromosome undetermined SCAF14506, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000007200
ENSTNIG0000007245	ENSTNIP00000010048	Chromosome undetermined SCAF14526, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000007245
ENSTNIG0000007269	ENSTNIP00000010073	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CP90]	ENSTNIG0000007269
ENSTNIG0000007393	ENSTNIP00000010199	Chromosome 1 SCAF14529, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SQV7]	ENSTNIG0000007393
ENSTNIG0000007418	ENSTNIP00000010224	Chromosome undetermined SCAF14531, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SP9]	ENSTNIG0000007418
ENSTNIG0000007618	ENSTNIP00000010433	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000007618
ENSTNIG0000007640	ENSTNIP00000010455	Chromosome 7 SCAF14536, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SPX3]	ENSTNIG0000007640
ENSTNIG0000007643	ENSTNIP00000010458	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000007643
ENSTNIG0000007677	ENSTNIP00000010585	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQ99]	ENSTNIG0000007677
ENSTNIG0000007781	ENSTNIP00000010600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CQR6]	ENSTNIG0000007781
ENSTNIG0000007808	ENSTNIP00000010628	Chromosome 15 SCAF14542, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SP9]	ENSTNIG0000007808
ENSTNIG0000007952	ENSTNIP00000010774	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CR90]	ENSTNIG0000007952
ENSTNIG0000008009	ENSTNIP00000010831	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CRE7]	ENSTNIG0000008009
ENSTNIG0000008462	ENSTNIP00000011298	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CSR4]	ENSTNIG0000008462
ENSTNIG0000008669	ENSTNIP00000011517	novel gene		ENSTNIG0000008669
ENSTNIG0000008701	ENSTNIP00000011551	Chromosome undetermined SCAF14565, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CTS5]	ENSTNIG0000008701
ENSTNIG0000008810	ENSTNIP00000011659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CTS5]	ENSTNIG0000008810
ENSTNIG0000008818	ENSTNIP00000011669	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CTS5]	ENSTNIG0000008818
ENSTNIG0000009038	ENSTNIP00000011894	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CUG0]	ENSTNIG0000009038
ENSTNIG0000009118	ENSTNIP00000011978	Chromosome 4 SCAF14575, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SJ74]	ENSTNIG0000009118
ENSTNIG0000009128	ENSTNIP00000011988	novel gene		ENSTNIG0000009128
ENSTNIG0000009154	ENSTNIP00000012015	novel gene		ENSTNIG0000009154
ENSTNIG0000009160	ENSTNIP00000012021	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CUT7]	ENSTNIG0000009160
ENSTNIG0000009232	ENSTNIP00000012097	novel gene		ENSTNIG0000009232
ENSTNIG0000009422	ENSTNIP00000012292	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CVK8]	ENSTNIG0000009422
ENSTNIG0000009506	ENSTNIP00000012379	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CVU5]	ENSTNIG0000009506
ENSTNIG0000009760	ENSTNIP00000012647	Chromosome 3 SCAF14593, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SGN1]	ENSTNIG0000009760
ENSTNIG0000009813	ENSTNIP00000012701	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CWR7]	ENSTNIG0000009813
ENSTNIG0000009932	ENSTNIP00000012824	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CX39]	ENSTNIG0000009932
ENSTNIG0000009997	ENSTNIP00000012892	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CXA7]	ENSTNIG0000009997
ENSTNIG0000010155	ENSTNIP00000013053	Chromosome undetermined SCAF14608, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CY62]	ENSTNIG0000010155
ENSTNIG0000010294	ENSTNIP00000013197	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CY62]	ENSTNIG0000010294
ENSTNIG0000010356	ENSTNIP00000013262	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CYC7]	ENSTNIG0000010356
ENSTNIG0000010455	ENSTNIP00000013364	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CYM9]	ENSTNIG0000010455
ENSTNIG0000010491	ENSTNIP00000013400	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CYR5]	ENSTNIG0000010491
ENSTNIG0000010566	ENSTNIP00000013478	Chromosome 18 SCAF14637, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SDK]	ENSTNIG0000010566
ENSTNIG0000010567	ENSTNIP00000013479	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CYZ4]	ENSTNIG0000010567
ENSTNIG0000010740	ENSTNIP00000013660	Chromosome 14 SCAF14646, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SCX]	ENSTNIG0000010740
ENSTNIG0000010799	ENSTNIP00000013724	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3CN28]	ENSTNIG0000010799
ENSTNIG0000010833	ENSTNIP00000013763	Chromosome undetermined SCAF14653, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D0D9]	ENSTNIG0000010833
ENSTNIG0000010940	ENSTNIP00000013870	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D034]	ENSTNIG0000010940
ENSTNIG0000011040	ENSTNIP00000013975	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D0D9]	ENSTNIG0000011040
ENSTNIG0000011054	ENSTNIP00000013990	Chromosome 15 SCAF14667, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4SBN]	ENSTNIG0000011054
ENSTNIG0000011059	ENSTNIP00000013995	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D0F9]	ENSTNIG0000011059
ENSTNIG0000011091	ENSTNIP00000014026	novel gene		ENSTNIG0000011091
ENSTNIG0000011173	ENSTNIP00000014108	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D0S2]	ENSTNIG0000011173
ENSTNIG0000011246	ENSTNIP00000014185	Chromosome undetermined SCAF14678, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D256]	ENSTNIG0000011246
ENSTNIG0000011642	ENSTNIP00000014594	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D256]	ENSTNIG0000011642
ENSTNIG0000011730	ENSTNIP00000014681	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D2E3]	ENSTNIG0000011730
ENSTNIG0000011863	ENSTNIP00000014820	Chromosome 2 SCAF14705, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4S8J6]	ENSTNIG0000011863
ENSTNIG0000011913	ENSTNIP00000014872	Chromosome undetermined SCAF14706, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D391]	ENSTNIG0000011913
ENSTNIG0000012018	ENSTNIP00000014979	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D391]	ENSTNIG0000012018
ENSTNIG0000012100	ENSTNIP00000015064	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D3H6]	ENSTNIG0000012100
ENSTNIG0000012195	ENSTNIP00000015160	novel gene		ENSTNIG0000012195
ENSTNIG0000012292	ENSTNIP00000015260	Chromosome 14 SCAF14723, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4S6V]	ENSTNIG0000012292
ENSTNIG0000012344	ENSTNIP00000015312	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D474]	ENSTNIG0000012344
ENSTNIG0000012532	ENSTNIP00000015501	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D4R2]	ENSTNIG0000012532
ENSTNIG0000012598	ENSTNIP00000015569	Chromosome 9 SCAF14729, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4S5L8]	ENSTNIG0000012598
ENSTNIG0000012882	ENSTNIP00000015858	Chromosome 2 SCAF14738, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4S417]	ENSTNIG0000012882
ENSTNIG0000012920	ENSTNIP00000015900	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D5W0]	ENSTNIG0000012920
ENSTNIG0000013142	ENSTNIP00000016124	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D6I4]	ENSTNIG0000013142
ENSTNIG0000013234	ENSTNIP00000016217	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:H3D6S6]	ENSTNIG0000013234
ENSTNIG0000013254	ENSTNIP00000016239	Chromosome 15 SCAF14755, whole genome shotgun sequence; Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:Q4S34]	ENSTNIG0000013254

ENSTNIG00000013300	ENSTNIP00000016290	Chromosome 8 SCAF14759, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q452X2	ENSTNIG00000013300
ENSTNIG00000013684	ENSTNIP00000016684	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D843]	ENSTNIG00000013684
ENSTNIG00000013724	ENSTNIP00000016725	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D884]	ENSTNIG00000013724
ENSTNIG00000013736	ENSTNIP00000016738	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3B3XW0]	ENSTNIG00000013736
ENSTNIG00000013786	ENSTNIP00000016788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D8E7]	ENSTNIG00000013786
ENSTNIG00000013893	ENSTNIP00000016898	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q450L5	ENSTNIG00000013893
ENSTNIG00000013895	ENSTNIP00000016900	Chromosome 2 SCAF14781, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q450L3	ENSTNIG00000013895
ENSTNIG00000013922	ENSTNIP00000016927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D8T6]	ENSTNIG00000013922
ENSTNIG00000014047	ENSTNIP00000017054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D963]	ENSTNIG00000014047
ENSTNIG00000014231	ENSTNIP00000017245	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3D9Q4]	ENSTNIG00000014231
ENSTNIG00000014457	ENSTNIP00000017476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DAD5]	ENSTNIG00000014457
ENSTNIG00000014484	ENSTNIP00000017505	Chromosome 3 SCAF14978, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RYA4	ENSTNIG00000014484
ENSTNIG00000014612	ENSTNIP00000017641	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DAU9]	ENSTNIG00000014612
ENSTNIG00000014793	ENSTNIP00000017831	Chromosome 11 SCAF14979, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RX4	ENSTNIG00000014793
ENSTNIG00000014830	ENSTNIP00000017871	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBH9]	ENSTNIG00000014830
ENSTNIG00000014897	ENSTNIP00000017941	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DBP8]	ENSTNIG00000014897
ENSTNIG00000015244	ENSTNIP00000018302	Chromosome 15 SCAF14992, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RVE	ENSTNIG00000015244
ENSTNIG00000015361	ENSTNIP00000018425	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD32]	ENSTNIG00000015361
ENSTNIG00000015375	ENSTNIP00000018439	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD46]	ENSTNIG00000015375
ENSTNIG00000015376	ENSTNIP00000018440	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BW66]	ENSTNIG00000015376
ENSTNIG00000015388	ENSTNIP00000018454	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DD61]	ENSTNIG00000015388
ENSTNIG00000015427	ENSTNIP00000018496	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUF	ENSTNIG00000015427
ENSTNIG00000015428	ENSTNIP00000018497	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUF	ENSTNIG00000015428
ENSTNIG00000015429	ENSTNIP00000018498	Chromosome 12 SCAF14993, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RUF	ENSTNIG00000015429
ENSTNIG00000002298	ENSTNIP00000018516	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DDC3]	ENSTNIG00000002298
ENSTNIG00000015712	ENSTNIP00000018787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DE44]	ENSTNIG00000015712
ENSTNIG00000015722	ENSTNIP00000018797	Chromosome 1 SCAF14998, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RTI4]	ENSTNIG00000015722
ENSTNIG00000015723	ENSTNIP00000018798	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DE55]	ENSTNIG00000015723
ENSTNIG00000015963	ENSTNIP00000019051	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEV7]	ENSTNIG00000015963
ENSTNIG00000015987	ENSTNIP00000019076	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEY2]	ENSTNIG00000015987
ENSTNIG00000015996	ENSTNIP00000019085	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DEZ1]	ENSTNIG00000015996
ENSTNIG00000016177	ENSTNIP00000019268	Chromosome 16 SCAF15002, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RR	ENSTNIG00000016177
ENSTNIG00000016246	ENSTNIP00000019339	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DFP5]	ENSTNIG00000016246
ENSTNIG00000016307	ENSTNIP00000019401	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DFV7]	ENSTNIG00000016307
ENSTNIG00000016718	ENSTNIP00000019828	Chromosome 12 SCAF15007, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RPP	ENSTNIG00000016718
ENSTNIG00000016787	ENSTNIP00000019901	novel gene	ENSTNIG00000016787
ENSTNIG00000016868	ENSTNIP00000019981	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHI7]	ENSTNIG00000016868
ENSTNIG00000017015	ENSTNIP00000020141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DHZ7]	ENSTNIG00000017015
ENSTNIG00000017047	ENSTNIP00000020175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DI31]	ENSTNIG00000017047
ENSTNIG00000017144	ENSTNIP00000020279	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DDI5]	ENSTNIG00000017144
ENSTNIG00000017146	ENSTNIP00000020281	Chromosome 6 SCAF15017, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RMX	ENSTNIG00000017146
ENSTNIG00000017170	ENSTNIP00000020307	Chromosome 3 SCAF15018, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RMU	ENSTNIG00000017170
ENSTNIG00000017637	ENSTNIP00000020785	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DJT9]	ENSTNIG00000017637
ENSTNIG00000017724	ENSTNIP00000020874	Chromosome 18 SCAF15027, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RKN	ENSTNIG00000017724
ENSTNIG00000017956	ENSTNIP00000021118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKS1]	ENSTNIG00000017956
ENSTNIG00000017986	ENSTNIP00000021150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DKV2]	ENSTNIG00000017986
ENSTNIG00000018102	ENSTNIP00000021267	Chromosome 1 SCAF15039, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RJ46]	ENSTNIG00000018102
ENSTNIG00000018363	ENSTNIP00000021532	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RI68]	ENSTNIG00000018363
ENSTNIG00000018450	ENSTNIP00000021623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DM75]	ENSTNIG00000018450
ENSTNIG00000018458	ENSTNIP00000021632	Chromosome 8 SCAF15044, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RHU	ENSTNIG00000018458
ENSTNIG00000018503	ENSTNIP00000021677	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DMC9]	ENSTNIG00000018503
ENSTNIG00000018676	ENSTNIP00000021853	Chromosome undetermined SCAF15077, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL	ENSTNIG00000018676
ENSTNIG00000018711	ENSTNIP00000021890	Chromosome undetermined SCAF15091, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL	ENSTNIG00000018711
ENSTNIG00000018833	ENSTNIP00000022018	Chromosome 18 SCAF15100, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RGE	ENSTNIG00000018833
ENSTNIG00000018861	ENSTNIP00000022046	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNE7]	ENSTNIG00000018861
ENSTNIG00000018973	ENSTNIP00000022161	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNR2]	ENSTNIG00000018973
ENSTNIG00000018978	ENSTNIP00000022166	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DNR7]	ENSTNIG00000018978
ENSTNIG00000019139	ENSTNIP00000022336	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DP87]	ENSTNIG00000019139
ENSTNIG00000019146	ENSTNIP00000022343	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DP94]	ENSTNIG00000019146
ENSTNIG00000019233	ENSTNIP00000022433	Chromosome 13 SCAF15122, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4RET	ENSTNIG00000019233
ENSTNIG00000019242	ENSTNIP00000022442	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DPJ3]	ENSTNIG00000019242
ENSTNIG00000019426	ENSTNIP00000022633	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ34]	ENSTNIG00000019426
ENSTNIG00000019427	ENSTNIP00000022634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQ35]	ENSTNIG00000019427
ENSTNIG00000019442	ENSTNIP00000022655	Chromosome undetermined SCAF17131, whole genome shotgun sequence; Uncharacterized protein [Source:UniProtKB/TrEMBL	ENSTNIG00000019442
ENSTNIG00000019498	ENSTNIP00000022717	Chromosome undetermined SCAF18655, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMB	ENSTNIG00000019498
ENSTNIG00000019528	ENSTNIP00000022753	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQF4]	ENSTNIG00000019528
ENSTNIG00000019534	ENSTNIP00000022760	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQG1]	ENSTNIG00000019534
ENSTNIG00000019554	ENSTNIP00000022784	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQI5]	ENSTNIG00000019554
ENSTNIG00000019598	ENSTNIP00000022833	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQN4]	ENSTNIG00000019598
ENSTNIG00000019682	ENSTNIP00000022927	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQX8]	ENSTNIG00000019682
ENSTNIG00000019690	ENSTNIP00000022935	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DQY6]	ENSTNIG00000019690
ENSTNIG00000019764	ENSTNIP00000023025	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR76]	ENSTNIG00000019764
ENSTNIG00000019768	ENSTNIP00000023029	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DR80]	ENSTNIG00000019768
ENSTNIG00000019812	ENSTNIP00000023077	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3DRC7]	ENSTNIG00000019812
ENSTNIG00000019839	ENSTNIP00000023108	Chromosome undetermined SCAF25572, whole genome shotgun sequence.; Uncharacterized protein [Source:UniProtKB/TrEMB	ENSTNIG00000019839

Supplemental table 68. Tilapia specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSONIG00000013069	ENSONIP00000016436	abhydrolase domain containing 16A [Source:ZFIN;Acc:ZDB-GENE-010601-2]	abhd16a
ENSONIG00000006472	ENSONIP00000008157	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSONIG00000018636	ENSONIP00000023455	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSONIG00000018099	ENSONIP00000022802	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSONIG00000016153	ENSONIP00000020344	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:13KGU9]	APO14KDA
ENSONIG00000008550	ENSONIP00000010749	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSONIG00000021043	ENSONIP00000026346	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSONIG00000008333	ENSONIP00000010479	bone gamma-carboxylglutamate (gla) protein [Source:ZFIN;Acc:ZDB-GENE-050113-4]	bglap
ENSONIG00000015296	ENSONIP00000019248	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSONIG00000021448	ENSONIP00000026750	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:25061]	C11orf88
ENSONIG00000020377	ENSONIP00000025679	calpastatin [Source:ZFIN;Acc:ZDB-GENE-050810-2]	cast
ENSONIG00000000800	ENSONIP00000001017	coiled-coil domain containing 120 [Source:HGNC Symbol;Acc:HGNC:28910]	CCDC120
ENSONIG00000002351	ENSONIP00000002941	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	cc1-c11b
ENSONIG00000013024	ENSONIP00000016380	CD4 molecule [Source:ZFIN;Acc:ZDB-GENE-100922-280]	cd4
ENSONIG00000020376	ENSONIP00000025678	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSONIG00000007343	ENSONIP00000009264	CD99 molecule [Source:ZFIN;Acc:ZDB-GENE-061103-391]	cd99
ENSONIG00000008774	ENSONIP00000011031	cell division cycle associated 9 [Source:ZFIN;Acc:ZDB-GENE-090706-4]	cdca9
ENSONIG00000007535	ENSONIP00000009503	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSONIG00000000041	ENSONIP00000000050	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSONIG00000017291	ENSONIP00000021807	colony stimulating factor 1b (macrophage) [Source:ZFIN;Acc:ZDB-GENE-061215-106]	csf1b
ENSONIG00000007426	ENSONIP00000009357	duboraya [Source:ZFIN;Acc:ZDB-GENE-060825-81]	dub
ENSONIG00000019046	ENSONIP00000023979	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSONIG00000002798	ENSONIP00000003509	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcrst
ENSONIG00000016976	ENSONIP00000021408	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSONIG00000004017	ENSONIP00000005064	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSONIG00000006308	ENSONIP00000007955	heat shock protein, alpha-crystallin-related, 9 [Source:ZFIN;Acc:ZDB-GENE-080214-6]	hspb9
ENSONIG00000020702	ENSONIP00000026007	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSONIG00000012251	ENSONIP00000015428	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	IFI6
ENSONIG00000018343	ENSONIP00000023098	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSONIG00000001118	ENSONIP00000001415	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSONIG00000017178	ENSONIP00000021666	interleukin 4 receptor [Source:ZFIN;Acc:ZDB-GENE-050227-5]	il4r
ENSONIG00000001704	ENSONIP00000002133	Oreochromis niloticus kisspeptin-2 (kiss2), mRNA. [Source:RefSeq mRNA;Acc:NM_001279468]	KISS2
ENSONIG000000011774	ENSONIP000000014821	kit ligand b [Source:ZFIN;Acc:ZDB-GENE-070424-2]	kitlgb
ENSONIG00000006580	ENSONIP00000008306	leukocyte receptor cluster (LRC) member 1 [Source:ZFIN;Acc:ZDB-GENE-040912-159]	leng1
ENSONIG00000002252	ENSONIP00000002811	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSONIG00000013957	ENSONIP00000017542	IL-6 subfamily cytokine M17 [Source:ZFIN;Acc:ZDB-GENE-060526-368]	m17
ENSONIG00000008246	ENSONIP00000010377	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcks1a
ENSONIG00000007726	ENSONIP00000009738	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcks1b
ENSONIG00000013788	ENSONIP00000017340	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSONIG00000000972	ENSONIP00000001231	novel immune-type receptor 13 [Source:ZFIN;Acc:ZDB-GENE-070108-2]	nitr13
ENSONIG00000004585	ENSONIP00000005776	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSONIG00000014550	ENSONIP00000018310	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odam
ENSONIG00000020917	ENSONIP00000026220	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSONIG00000003527	ENSONIP00000004440	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSONIG00000007909	ENSONIP00000009967	proline rich 33 [Source:HGNC Symbol;Acc:HGNC:35118]	PRR33
ENSONIG00000002534	ENSONIP00000003173	pituitary tumor-transforming 1 [Source:ZFIN;Acc:ZDB-GENE-081104-345]	pttg1
ENSONIG00000020842	ENSONIP00000026146	ribonuclease like 4 [Source:ZFIN;Acc:ZDB-GENE-070713-7]	rnase14
ENSONIG000000021082	ENSONIP00000026384	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSONIG00000020796	ENSONIP00000026100	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSONIG00000008592	ENSONIP00000010801	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSONIG00000021080	ENSONIP00000026382	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSONIG000000021081	ENSONIP00000026383	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSONIG00000002086	ENSONIP00000002601	S100 calcium binding protein V1 [Source:ZFIN;Acc:ZDB-GENE-080407-1]	s100v1
ENSONIG00000014557	ENSONIP00000018317	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSONIG00000020867	ENSONIP00000026170	serine-rich and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:33792]	SERTM1
ENSONIG00000005235	ENSONIP00000006576	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSONIG00000004864	ENSONIP00000006119	si:ch1073-291c23.2 [Source:ZFIN;Acc:ZDB-GENE-081107-2]	si:ch1073-291c23.2
ENSONIG000000005136	ENSONIP00000006455	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSONIG00000005185	ENSONIP00000006514	si:ch211-132b12.7 [Source:ZFIN;Acc:ZDB-GENE-050419-250]	si:ch211-132b12.7
ENSONIG00000011433	ENSONIP00000014388	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSONIG00000001229	ENSONIP00000001551	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSONIG00000005771	ENSONIP00000007271	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSONIG000000014425	ENSONIP00000018136	si:ch211-157b11.14 [Source:ZFIN;Acc:ZDB-GENE-131121-645]	si:ch211-157b11.14
ENSONIG00000009059	ENSONIP00000011394	si:ch211-163b2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-502]	si:ch211-163b2.4
ENSONIG00000010759	ENSONIP00000013525	si:ch211-195b21.5 [Source:ZFIN;Acc:ZDB-GENE-030131-954]	si:ch211-195b21.5
ENSONIG00000016649	ENSONIP00000020973	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENSONIG00000006050	ENSONIP00000007619	si:ch211-221i3.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-221i3.2
ENSONIG00000003027	ENSONIP00000003791	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENSONIG00000016582	ENSONIP00000020883	si:ch73-106k19.5 [Source:ZFIN;Acc:ZDB-GENE-030131-1230]	si:ch73-106k19.5
ENSONIG000000019657	ENSONIP00000024746	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSONIG00000007496	ENSONIP00000009454	si:ch73-265d7.2 [Source:ZFIN;Acc:ZDB-GENE-100922-146]	si:ch73-265d7.2
ENSONIG00000006154	ENSONIP00000007752	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSONIG00000015572	ENSONIP00000019597	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSONIG00000018122	ENSONIP00000022829	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSONIG00000003126	ENSONIP00000003918	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSONIG00000019470	ENSONIP00000024510	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1

ENSONIG00000019546	ENSONIP00000024603	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSONIG00000020375	ENSONIP00000025675	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSONIG00000012250	ENSONIP00000015427	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSONIG00000010515	ENSONIP00000013217	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSONIG00000006503	ENSONIP00000008200	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSONIG00000014895	ENSONIP00000018751	si:dkey-30c15.2 [Source:ZFIN;Acc:ZDB-GENE-060503-543]	si:dkey-30c15.2
ENSONIG00000020403	ENSONIP00000025708	si:dkey-33o22.1 [Source:ZFIN;Acc:ZDB-GENE-091204-221]	si:dkey-33o22.1
ENSONIG00000007989	ENSONIP00000010060	si:dkey-52l18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52l18.4
ENSONIG00000003544	ENSONIP00000004462	si:dkey-56d12.4 [Source:ZFIN;Acc:ZDB-GENE-060531-147]	si:dkey-56d12.4
ENSONIG00000005807	ENSONIP00000007312	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSONIG00000017973	ENSONIP00000022646	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSONIG00000002738	ENSONIP00000003431	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSONIG00000006217	ENSONIP00000007832	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSONIG00000002922	ENSONIP00000003660	si:dkey-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkey-117h8.4
ENSONIG00000012471	ENSONIP00000015706	si:dkey-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkey-34c12.1
ENSONIG00000011448	ENSONIP00000014408	si:dkey-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkey-38g8.5
ENSONIG00000004916	ENSONIP00000006181	si:dkey-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkey-69c1.7
ENSONIG000000020877	ENSONIP00000026180	si:dkey-72g9.4 [Source:ZFIN;Acc:ZDB-GENE-031204-23]	si:dkey-72g9.4
ENSONIG00000013062	ENSONIP00000016424	si:dkey-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkey-77h1.4
ENSONIG00000021206	ENSONIP00000026508	si:rp71-1c10.10 [Source:ZFIN;Acc:ZDB-GENE-130603-55]	si:rp71-1c10.10
ENSONIG00000015460	ENSONIP00000019451	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	snacp5
ENSONIG00000012765	ENSONIP00000016070	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSONIG00000006531	ENSONIP00000008238	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tac4
ENSONIG00000003942	ENSONIP00000004969	Putative TBT binding protein; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3I7X9]	TBTBP
ENSONIG00000005433	ENSONIP00000006825	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	thy1
ENSONIG00000003932	ENSONIP00000004955	transmembrane protein 51b [Source:ZFIN;Acc:ZDB-GENE-030131-5373]	tmem51b
ENSONIG00000002571	ENSONIP00000003220	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSONIG00000016002	ENSONIP00000020157	vesicle-associated membrane protein 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4209]	vamp5
ENSONIG00000010111	ENSONIP00000012715	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSONIG00000004179	ENSONIP00000005259	wu:fc75a09 [Source:ZFIN;Acc:ZDB-GENE-030131-4139]	wu:fc75a09
ENSONIG00000013799	ENSONIP00000017352	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSONIG00000007086	ENSONIP00000008942	zgc:113210 [Source:ZFIN;Acc:ZDB-GENE-050320-83]	zgc:113210
ENSONIG00000003402	ENSONIP00000004286	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSONIG00000000826	ENSONIP00000001051	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSONIG00000018213	ENSONIP00000022938	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSONIG00000008215	ENSONIP00000010342	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSONIG00000008662	ENSONIP00000010889	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSONIG00000004282	ENSONIP00000005393	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSONIG00000002267	ENSONIP00000002830	zgc:161969 [Source:ZFIN;Acc:ZDB-GENE-030131-2597]	zgc:161969
ENSONIG00000006152	ENSONIP00000007749	zgc:162608 [Source:ZFIN;Acc:ZDB-GENE-070410-86]	zgc:162608
ENSONIG00000006329	ENSONIP00000007981	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSONIG00000011326	ENSONIP00000014255	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSONIG00000012269	ENSONIP00000015451	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSONIG00000006216	ENSONIP00000007831	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSONIG00000006720	ENSONIP00000008490	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSONIG00000008350	ENSONIP00000010500	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSONIG00000012343	ENSONIP00000015549	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSONIG00000021348	ENSONIP00000026650	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSONIG00000021452	ENSONIP00000026754	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSONIG00000012442	ENSONIP00000015672	zgc:66455 [Source:ZFIN;Acc:ZDB-GENE-040426-1642]	zgc:66455
ENSONIG00000016963	ENSONIP00000021391	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSONIG00000000040	ENSONIP00000000049	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3ITW0]	ENSONIG00000000040
ENSONIG00000000044	ENSONIP00000000053	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3ITW4]	ENSONIG00000000044
ENSONIG00000000045	ENSONIP00000000054	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3ITW5]	ENSONIG00000000045
ENSONIG000000000230	ENSONIP00000000295	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IUk5]	ENSONIG000000000230
ENSONIG00000000239	ENSONIP00000000306	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IUL6]	ENSONIG00000000239
ENSONIG00000000271	ENSONIP00000000345	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IUQ5]	ENSONIG00000000271
ENSONIG00000000356	ENSONIP00000000449	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IV09]	ENSONIG00000000356
ENSONIG00000000445	ENSONIP00000000565	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IVC5]	ENSONIG00000000445
ENSONIG00000000508	ENSONIP00000000648	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IVK8]	ENSONIG00000000508
ENSONIG00000000670	ENSONIP00000000848	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IWS8]	ENSONIG00000000670
ENSONIG00000000833	ENSONIP00000001058	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IWR8]	ENSONIG00000000833
ENSONIG00000000838	ENSONIP0000001064	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IWS4]	ENSONIG00000000838
ENSONIG00000000930	ENSONIP00000001174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IX34]	ENSONIG00000000930
ENSONIG00000000942	ENSONIP00000001191	novel gene	ENSONIG00000000942
ENSONIG00000000944	ENSONIP00000001193	novel gene	ENSONIG00000000944
ENSONIG00000000954	ENSONIP00000001207	novel gene	ENSONIG00000000954
ENSONIG00000000970	ENSONIP00000001228	novel gene	ENSONIG00000000970
ENSONIG00000000986	ENSONIP00000001249	novel gene	ENSONIG00000000986
ENSONIG00000001004	ENSONIP00000001272	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IXD2]	ENSONIG00000001004
ENSONIG00000001024	ENSONIP00000001297	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IXF7]	ENSONIG00000001024
ENSONIG00000001270	ENSONIP00000001601	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IYB1]	ENSONIG00000001270
ENSONIG00000001382	ENSONIP00000001744	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IYQ4]	ENSONIG00000001382
ENSONIG00000001406	ENSONIP00000001773	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IYT3]	ENSONIG00000001406
ENSONIG00000001408	ENSONIP00000001775	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IYTS]	ENSONIG00000001408
ENSONIG00000001447	ENSONIP00000001820	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IYV0]	ENSONIG00000001447
ENSONIG00000001449	ENSONIP00000001822	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IYV2]	ENSONIG00000001449
ENSONIG00000001496	ENSONIP00000001874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IZ34]	ENSONIG00000001496
ENSONIG00000001527	ENSONIP00000001909	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3IZ69]	ENSONIG00000001527

ENSONIG00000012078	ENSONIP00000015202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K257]	ENSONIG00000012078
ENSONIG00000012219	ENSONIP00000015390	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K2P5]	ENSONIG00000012219
ENSONIG00000012249	ENSONIP00000015426	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K2T1]	ENSONIG00000012249
ENSONIG00000012389	ENSONIP00000015604	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3A9]	ENSONIG00000012389
ENSONIG00000012397	ENSONIP00000015615	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3C0]	ENSONIG00000012397
ENSONIG00000012412	ENSONIP00000015635	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3E0]	ENSONIG00000012412
ENSONIG00000012427	ENSONIP00000015653	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3F8]	ENSONIG00000012427
ENSONIG00000012519	ENSONIP00000015760	novel gene		ENSONIG00000012519
ENSONIG00000012526	ENSONIP00000015768	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3S3]	ENSONIG00000012526
ENSONIG00000012548	ENSONIP00000015798	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K3V3]	ENSONIG00000012548
ENSONIG00000012885	ENSONIP00000016216	novel gene		ENSONIG00000012885
ENSONIG00000012941	ENSONIP00000016279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K584]	ENSONIG00000012941
ENSONIG00000013019	ENSONIP00000016374	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K5H9]	ENSONIG00000013019
ENSONIG00000013095	ENSONIP00000016472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K5S7]	ENSONIG00000013095
ENSONIG00000013199	ENSONIP00000016599	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K654]	ENSONIG00000013199
ENSONIG00000013217	ENSONIP00000016623	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K678]	ENSONIG00000013217
ENSONIG00000013218	ENSONIP00000016624	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K679]	ENSONIG00000013218
ENSONIG00000013228	ENSONIP00000016634	novel gene		ENSONIG00000013228
ENSONIG00000013284	ENSONIP00000016708	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K6G3]	ENSONIG00000013284
ENSONIG00000013340	ENSONIP00000016774	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K6M9]	ENSONIG00000013340
ENSONIG00000013488	ENSONIP00000016961	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K766]	ENSONIG00000013488
ENSONIG00000013489	ENSONIP00000016962	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K767]	ENSONIG00000013489
ENSONIG00000013687	ENSONIP00000017225	novel gene		ENSONIG00000013687
ENSONIG00000013718	ENSONIP00000017259	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K814]	ENSONIG00000013718
ENSONIG00000013729	ENSONIP00000017271	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K826]	ENSONIG00000013729
ENSONIG00000013772	ENSONIP00000017322	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K877]	ENSONIG00000013772
ENSONIG00000013781	ENSONIP00000017332	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K887]	ENSONIG00000013781
ENSONIG00000013854	ENSONIP00000017421	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K8H5]	ENSONIG00000013854
ENSONIG00000013977	ENSONIP00000017568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K8X3]	ENSONIG00000013977
ENSONIG00000013995	ENSONIP00000017592	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K8Z7]	ENSONIG00000013995
ENSONIG00000014446	ENSONIP00000018164	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KAL9]	ENSONIG00000014446
ENSONIG00000014491	ENSONIP00000018229	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KAT4]	ENSONIG00000014491
ENSONIG00000014512	ENSONIP00000018258	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KAW3]	ENSONIG00000014512
ENSONIG00000014543	ENSONIP00000018301	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KAL9]	ENSONIG00000014543
ENSONIG00000014548	ENSONIP00000018308	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB13]	ENSONIG00000014548
ENSONIG00000014552	ENSONIP00000018312	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB17]	ENSONIG00000014552
ENSONIG00000014555	ENSONIP00000018315	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB20]	ENSONIG00000014555
ENSONIG00000014556	ENSONIP00000018316	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KB21]	ENSONIG00000014556
ENSONIG00000014741	ENSONIP00000018560	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KBR5]	ENSONIG00000014741
ENSONIG00000014883	ENSONIP00000018733	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13K8C8]	ENSONIG00000014883
ENSONIG00000014928	ENSONIP00000018793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KCE8]	ENSONIG00000014928
ENSONIG00000015068	ENSONIP00000018967	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KCX2]	ENSONIG00000015068
ENSONIG00000015113	ENSONIP00000019018	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KD23]	ENSONIG00000015113
ENSONIG00000015149	ENSONIP00000019065	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KD70]	ENSONIG00000015149
ENSONIG00000015213	ENSONIP00000019148	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDF3]	ENSONIG00000015213
ENSONIG00000015227	ENSONIP00000019164	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDG9]	ENSONIG00000015227
ENSONIG00000015232	ENSONIP00000019169	novel gene		ENSONIG00000015232
ENSONIG00000015236	ENSONIP00000019173	novel gene		ENSONIG00000015236
ENSONIG00000015286	ENSONIP00000019234	novel gene		ENSONIG00000015286
ENSONIG00000015329	ENSONIP00000019287	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDU2]	ENSONIG00000015329
ENSONIG00000015356	ENSONIP00000019319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDX4]	ENSONIG00000015356
ENSONIG00000015375	ENSONIP00000019343	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KDX8]	ENSONIG00000015375
ENSONIG00000015487	ENSONIP00000019489	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KEE4]	ENSONIG00000015487
ENSONIG00000015491	ENSONIP00000019493	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KEE8]	ENSONIG00000015491
ENSONIG00000015505	ENSONIP00000019513	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KEG8]	ENSONIG00000015505
ENSONIG00000015590	ENSONIP00000019616	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KES1]	ENSONIG00000015590
ENSONIG00000015732	ENSONIP00000019797	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KFA2]	ENSONIG00000015732
ENSONIG00000015998	ENSONIP00000020151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KGA5]	ENSONIG00000015998
ENSONIG00000016105	ENSONIP00000020288	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KGP3]	ENSONIG00000016105
ENSONIG00000016356	ENSONIP00000020595	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KHK0]	ENSONIG00000016356
ENSONIG00000016586	ENSONIP00000020888	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KIE3]	ENSONIG00000016586
ENSONIG00000016588	ENSONIP00000020890	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KIE5]	ENSONIG00000016588
ENSONIG00000016594	ENSONIP00000020898	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KIF3]	ENSONIG00000016594
ENSONIG00000016696	ENSONIP00000021034	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KIT9]	ENSONIG00000016696
ENSONIG00000016869	ENSONIP00000021263	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KJG8]	ENSONIG00000016869
ENSONIG00000016986	ENSONIP00000021419	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KJX4]	ENSONIG00000016986
ENSONIG00000017114	ENSONIP00000021581	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KKD6]	ENSONIG00000017114
ENSONIG00000017414	ENSONIP00000021962	Interleukin	[Source:UniProtKB/TrEMBL;Acc:13KLG7]	ENSONIG00000017414
ENSONIG00000017495	ENSONIP00000022063	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KLR8]	ENSONIG00000017495
ENSONIG00000017551	ENSONIP00000022132	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KLY7]	ENSONIG00000017551
ENSONIG00000017650	ENSONIP00000022256	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMB1]	ENSONIG00000017650
ENSONIG00000017684	ENSONIP00000022297	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMF2]	ENSONIG00000017684
ENSONIG00000017761	ENSONIP00000022391	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMP6]	ENSONIG00000017761
ENSONIG00000017787	ENSONIP00000022422	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMS7]	ENSONIG00000017787
ENSONIG00000017802	ENSONIP00000022441	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KMU6]	ENSONIG00000017802
ENSONIG00000017930	ENSONIP00000022599	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KNA4]	ENSONIG00000017930
ENSONIG00000017933	ENSONIP00000022602	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KNA7]	ENSONIG00000017933
ENSONIG00000017947	ENSONIP00000022618	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:13KNC3]	ENSONIG00000017947
ENSONIG00000017956	ENSONIP00000022627	Natriuretic peptide	[Source:UniProtKB/TrEMBL;Acc:13KND2]	ENSONIG00000017956

Supplemental table 69. Zebrafish specific genes compared to higher vertebrates

Ensembl Gene ID	Ensembl Protein ID	Description	Associated Gene Name
ENSDARG00000088514	ENSDARP00000105441	actinodin1 [Source:ZFIN;Acc:ZDB-GENE-030131-9105]	and1
ENSDARG00000079302	ENSDARP00000102064	actinodin2 [Source:ZFIN;Acc:ZDB-GENE-041105-2]	and2
ENSDARG00000056873	ENSDARP00000073905	actinodin3 [Source:ZFIN;Acc:ZDB-GENE-040724-185]	and3
ENSDARG00000090729	ENSDARP00000108214	actinodin4 [Source:ZFIN;Acc:ZDB-GENE-081022-5]	and4
ENSDARG00000090900	ENSDARP00000106897	actinoporin-like protein [Source:ZFIN;Acc:ZDB-GENE-030131-8907]	apnl
ENSDARG00000090124	ENSDARP00000112166	activated leukocyte cell adhesion molecule a [Source:ZFIN;Acc:ZDB-GENE-990415-30]	alcama
ENSDARG00000060126	ENSDARP00000123799	acylphosphatase 1, erythrocyte (common) type [Source:ZFIN;Acc:ZDB-GENE-050309-125]	acyp1
ENSDARG00000096249	ENSDARP00000125847	adaptor-related protein complex 1, mu 1 subunit [Source:ZFIN;Acc:ZDB-GENE-110126-1]	ap1m1
ENSDARG00000058488	ENSDARP00000119640	adenosine A2a receptor b [Source:ZFIN;Acc:ZDB-GENE-081022-41]	adora2ab
ENSDARG00000078055	ENSDARP00000102432	adrenocortical dysplasia homolog [Source:ZFIN;Acc:ZDB-GENE-081022-45]	acd
ENSDARG00000077858	ENSDARP00000100167	agouti signaling protein [Source:ZFIN;Acc:ZDB-GENE-060215-1]	asip
ENSDARG00000097014	ENSDARP00000129824	agtpbp1	agtpbp1
ENSDARG00000053279	ENSDARP00000069796	apelin [Source:ZFIN;Acc:ZDB-GENE-070521-8]	apln
ENSDARG00000015866	ENSDARP00000058963	apolipoprotein A-II [Source:ZFIN;Acc:ZDB-GENE-030131-1046]	apoa2
ENSDARG00000089961	ENSDARP00000112007	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25268]	APOLD1
ENSDARG00000073718	ENSDARP00000126025	apolipoprotein L, 4 [Source:HGNC Symbol;Acc:HGNC:14867]	APOL4
ENSDARG00000093714	ENSDARP00000116445	artemin b [Source:ZFIN;Acc:ZDB-GENE-070705-129]	artnb
ENSDARG00000092106	ENSDARP00000114943	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:21087]	BTLA
ENSDARG00000094704	ENSDARP00000120749	bcl2	bcl2
ENSDARG00000069282	ENSDARP00000118542	BCL2 binding component 3 [Source:ZFIN;Acc:ZDB-GENE-070119-4]	bbc3
ENSDARG00000041414	ENSDARP00000060712	Bcl2 modifying factor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-319]	bmf2
ENSDARG00000045549	ENSDARP00000066976	BCL2-interacting killer (apoptosis-inducing) [Source:ZFIN;Acc:ZDB-GENE-041210-181]	bik
ENSDARG00000079144	ENSDARP00000097551	BCL2-like 11 [Source:ZFIN;Acc:ZDB-GENE-081008-1]	bcl2l11
ENSDARG00000069290	ENSDARP00000091489	BH3 interacting domain death agonist [Source:ZFIN;Acc:ZDB-GENE-050419-35]	bida
ENSDARG00000057085	ENSDARP00000074134	bhikhari [Source:ZFIN;Acc:ZDB-GENE-010613-1]	bhik
ENSDARG00000053358	ENSDARP00000069875	brain abundant, membrane attached signal protein 1 [Source:ZFIN;Acc:ZDB-GENE-070424-158]	basp1
ENSDARG00000096603	ENSDARP00000126692	brambleberry [Source:ZFIN;Acc:ZDB-GENE-030131-5577]	bmb
ENSDARG00000086036	ENSDARP00000111181	BX936364.1	BX936364.1
ENSDARG00000091533	ENSDARP00000109169	CABZ01028770.1	CABZ01028770.1
ENSDARG00000089358	ENSDARP00000108978	CABZ01035189.1	CABZ01035189.1
ENSDARG00000090961	ENSDARP00000110743	CABZ01039845.1	CABZ01039845.1
ENSDARG00000087080	ENSDARP00000109220	CABZ01044356.1	CABZ01044356.1
ENSDARG00000086260	ENSDARP00000092000	CABZ01052573.1	CABZ01052573.1
ENSDARG00000088577	ENSDARP00000093494	CABZ01061717.1	CABZ01061717.1
ENSDARG00000088179	ENSDARP00000111886	CABZ01073405.1	CABZ01073405.1
ENSDARG00000086673	ENSDARP00000057945	CABZ01084505.1	CABZ01084505.1
ENSDARG00000089215	ENSDARP00000104633	CABZ01109737.1	CABZ01109737.1
ENSDARG00000087135	ENSDARP00000112365	CABZ01115256.1	CABZ01115256.1
ENSDARG00000070680	ENSDARP00000094797	cadherin 4, retinal [Source:ZFIN;Acc:ZDB-GENE-991207-1]	cdh4
ENSDARG00000055527	ENSDARP00000108611	calymin [Source:ZFIN;Acc:ZDB-GENE-000208-9]	cmn
ENSDARG00000088294	ENSDARP00000109174	cAMP responsive element binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-456]	crebl2
ENSDARG00000058570	ENSDARP00000075898	CC chemokine 1 [Source:ZFIN;Acc:ZDB-GENE-000208-28]	cc1
ENSDARG00000070668	ENSDARP00000094752	CD4 molecule [Source:ZFIN;Acc:ZDB-GENE-100922-280]	cd4
ENSDARG00000044797	ENSDARP00000065841	CD8 antigen, alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-060210-2]	cd8a
ENSDARG00000087508	ENSDARP00000126284	CD99 molecule-like 2 [Source:HGNC Symbol;Acc:HGNC:18237]	CD99L2
ENSDARG00000044437	ENSDARP00000065263	cell division cycle associated 5 [Source:ZFIN;Acc:ZDB-GENE-030131-235]	cdca5
ENSDARG00000094388	ENSDARP00000119071	celsr2	celsr2
ENSDARG00000075045	ENSDARP00000102296	chemokine (C-X-C motif) ligand C1c [Source:ZFIN;Acc:ZDB-GENE-090313-165]	cxcl-c1c
ENSDARG00000075163	ENSDARP00000102486	chemokine (C-X-C motif) ligand C5c [Source:ZFIN;Acc:ZDB-GENE-111004-2]	cxcl-c5c
ENSDARG00000074772	ENSDARP00000101027	chemokine CCL-C11b [Source:ZFIN;Acc:ZDB-GENE-131121-642]	cc1-c11b
ENSDARG00000074662	ENSDARP00000103216	ciliary neurotrophic factor [Source:ZFIN;Acc:ZDB-GENE-090313-176]	cntf
ENSDARG00000087655	ENSDARP00000106337	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	CLSPN
ENSDARG00000092464	ENSDARP00000117855	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:HGNC:13930]	CCHCR1
ENSDARG00000003582	ENSDARP00000006287	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGNC:25079]	CCDC34
ENSDARG00000090155	ENSDARP00000109215	collagen, type XV, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-080918-1]	col15a1a
ENSDARG00000091741	ENSDARP00000107415	CR354382.1	CR354382.1
ENSDARG00000091274	ENSDARP00000108117	CR626886.1	CR626886.1
ENSDARG00000068182	ENSDARP00000083791	crumbs homolog 3b [Source:ZFIN;Acc:ZDB-GENE-060610-3]	crb3b
ENSDARG00000091078	ENSDARP00000106392	CSF3 protein (csf3), mRNA [Source:RefSeq mRNA;Acc:NM_001143754]	CSF3
ENSDARG00000089744	ENSDARP00000109611	CU633479.3	CU633479.3
ENSDARG00000087220	ENSDARP00000108084	CU681842.1	CU681842.1
ENSDARG00000089683	ENSDARP00000108574	CU914164.1	CU914164.1
ENSDARG00000095273	ENSDARP00000119314	cytochrome c oxidase subunit 8a [Source:ZFIN;Acc:ZDB-GENE-030131-9136]	cox8a
ENSDARG00000074771	ENSDARP00000102075	cytokine receptor family member B17 [Source:ZFIN;Acc:ZDB-GENE-081022-158]	crfb17
ENSDARG00000036895	ENSDARP00000053567	death associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-000511-4]	dap1b
ENSDARG00000086842	ENSDARP00000109203	death associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-000511-4]	dap1b
ENSDARG00000075161	ENSDARP00000104248	defensin, beta-like 1 [Source:ZFIN;Acc:ZDB-GENE-070207-1]	defb1
ENSDARG00000096380	ENSDARP00000125973	defensin, beta-like 2 [Source:ZFIN;Acc:ZDB-GENE-070207-2]	defb2
ENSDARG00000097181	ENSDARP00000129545	defensin, beta-like 3 [Source:ZFIN;Acc:ZDB-GENE-070207-3]	defb3
ENSDARG00000094160	ENSDARP00000114291	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HGNC:17567]	DLEU7
ENSDARG00000096158	ENSDARP00000125613	differentially expressed in FDPC 8 homolog (mouse) [Source:ZFIN;Acc:ZDB-GENE-041114-96]	def8
ENSDARG00000091993	ENSDARP00000120997	diverse immunoglobulin domain-containing protein 1.1 [Source:ZFIN;Acc:ZDB-GENE-120305-1]	dicp1.1
ENSDARG00000075848	ENSDARP00000102438	diverse immunoglobulin domain-containing protein 3.1 [Source:ZFIN;Acc:ZDB-GENE-120306-18]	dicp3.1
ENSDARG00000087706	ENSDARP00000127641	diverse immunoglobulin domain-containing protein 3.3 [Source:ZFIN;Acc:ZDB-GENE-120306-20]	dicp3.3
ENSDARG00000069994	ENSDARP00000093092	elastin a [Source:ZFIN;Acc:ZDB-GENE-061212-1]	elna
ENSDARG00000069017	ENSDARP00000123914	elastin b [Source:ZFIN;Acc:ZDB-GENE-061212-2]	elnb

ENSDARG00000087457	ENSDARP00000111403	endothelial cell-specific chemotaxis regulator [Source:ZFIN;Acc:ZDB-GENE-050411-37]	escsr
ENSDARG00000095007	ENSDARP00000120516	family with sequence similarity 60, member A, like [Source:ZFIN;Acc:ZDB-GENE-031114-2]	fam60al
ENSDARG00000091749	ENSDARP00000107763	fibrous sheath interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-050417-428]	fsip1
ENSDARG00000087620	ENSDARP00000111134	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000079373	ENSDARP00000122100	FOS-like antigen 1b [Source:ZFIN;Acc:ZDB-GENE-091204-259]	fosl1b
ENSDARG00000054239	ENSDARP00000070879	ghrelin/obestatin preprohormone [Source:ZFIN;Acc:ZDB-GENE-070622-2]	ghrl
ENSDARG00000075301	ENSDARP00000104184	gonadal somatic cell derived factor [Source:ZFIN;Acc:ZDB-GENE-101029-3]	gsdf
ENSDARG00000056214	ENSDARP00000073133	gonadotropin-releasing hormone 3 [Source:ZFIN;Acc:ZDB-GENE-030724-4]	gnrh3
ENSDARG00000017917	ENSDARP00000006074	hairy and enhancer of split related-7 [Source:ZFIN;Acc:ZDB-GENE-000427-6]	her7
ENSDARG00000095807	ENSDARP00000124569	haptoglobin [Source:ZFIN;Acc:ZDB-GENE-030131-1259]	hp
ENSDARG00000092074	ENSDARP00000114360	hematopoietic cell signal transducer [Source:ZFIN;Acc:ZDB-GENE-061130-1]	hcst
ENSDARG00000053227	ENSDARP00000069720	hepcidin antimicrobial peptide 2 [Source:ZFIN;Acc:ZDB-GENE-050726-2]	hamp2
ENSDARG00000028335	ENSDARP00000036107	high mobility group AT-hook 1a [Source:ZFIN;Acc:ZDB-GENE-010502-1]	hmga1a
ENSDARG00000070951	ENSDARP00000095374	high mobility group AT-hook 1b [Source:ZFIN;Acc:ZDB-GENE-061013-204]	hmga1b
ENSDARG00000069912	ENSDARP00000125420	high mobility group AT-hook 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3148]	hmga2
ENSDARG00000093817	ENSDARP00000113028	high-mobility group nucleosomal binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-051030-81]	hmgcn2
ENSDARG00000038408	ENSDARP00000056045	hm:zeh0619 [Source:ZFIN;Acc:ZDB-GENE-030131-53]	hm:zeh0619
ENSDARG00000096390	ENSDARP00000126233	ighd2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-92]	ighd2-3
ENSDARG00000096396	ENSDARP00000125757	ighd2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-91]	ighd2-4
ENSDARG00000096284	ENSDARP00000126145	ighd2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-90]	ighd2-5
ENSDARG00000096366	ENSDARP00000125905	ighj2-3 [Source:ZFIN;Acc:ZDB-GENE-041001-94]	ighj2-3
ENSDARG00000096294	ENSDARP00000125777	ighj2-4 [Source:ZFIN;Acc:ZDB-GENE-041001-93]	ighj2-4
ENSDARG00000096330	ENSDARP00000126000	ighj2-5 [Source:ZFIN;Acc:ZDB-GENE-041001-95]	ighj2-5
ENSDARG00000086421	ENSDARP00000104578	im:7136729 [Source:ZFIN;Acc:ZDB-GENE-041111-14]	im:7136729
ENSDARG00000092181	ENSDARP00000112595	im:7140055 [Source:ZFIN;Acc:ZDB-GENE-041111-101]	im:7140055
ENSDARG00000086881	ENSDARP00000108516	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:28871]	IER2
ENSDARG00000096236	ENSDARP00000125644	immunoglobulin heavy diversity 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-43]	ighd1-1
ENSDARG00000096344	ENSDARP00000126331	immunoglobulin heavy diversity 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-44]	ighd1-2
ENSDARG00000096285	ENSDARP00000126076	immunoglobulin heavy diversity 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-48]	ighd2-1
ENSDARG00000096385	ENSDARP00000125794	immunoglobulin heavy diversity 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-49]	ighd2-2
ENSDARG00000096351	ENSDARP00000126263	immunoglobulin heavy joining 1-1 [Source:ZFIN;Acc:ZDB-GENE-040514-50]	ighj1-1
ENSDARG00000096292	ENSDARP00000125779	immunoglobulin heavy joining 1-2 [Source:ZFIN;Acc:ZDB-GENE-040514-51]	ighj1-2
ENSDARG00000096321	ENSDARP00000125639	immunoglobulin heavy joining 2-1 [Source:ZFIN;Acc:ZDB-GENE-040514-55]	ighj2-1
ENSDARG00000096254	ENSDARP00000126210	immunoglobulin heavy joining 2-2 [Source:ZFIN;Acc:ZDB-GENE-040514-56]	ighj2-2
ENSDARG00000079987	ENSDARP00000101121	immunoglobulin light 3 variable 5 [Source:ZFIN;Acc:ZDB-GENE-051013-3]	igl3v5
ENSDARG00000093272	ENSDARP00000120591	immunoglobulin light iota constant 1, s1 [Source:ZFIN;Acc:ZDB-GENE-051013-12]	iglc1s1
ENSDARG00000025607	ENSDARP00000034643	interferon phi 1 [Source:ZFIN;Acc:ZDB-GENE-030721-3]	ifnphi1
ENSDARG00000090603	ENSDARP00000108147	interferon phi 4 [Source:ZFIN;Acc:ZDB-GENE-080327-1]	ifnphi4
ENSDARG00000045671	ENSDARP00000067152	interferon, gamma 1-1 [Source:ZFIN;Acc:ZDB-GENE-060210-1]	ifng1-1
ENSDARG00000024211	ENSDARP00000122851	interferon, gamma 1-2 [Source:ZFIN;Acc:ZDB-GENE-040629-1]	ifng1-2
ENSDARG00000041180	ENSDARP00000060361	interleukin 10 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-070905-4]	il10ra
ENSDARG00000038878	ENSDARP00000056760	interleukin 12a [Source:ZFIN;Acc:ZDB-GENE-060724-1]	il12a
ENSDARG00000069504	ENSDARP00000091990	interleukin 12B [Source:HGNC Symbol;Acc:HGNC:5970]	IL12B
ENSDARG00000077809	ENSDARP00000103364	interleukin 13 [Source:ZFIN;Acc:ZDB-GENE-100727-2]	il13
ENSDARG00000080020	ENSDARP00000100184	interleukin 13 receptor, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-060503-103]	il13ra1
ENSDARG00000052361	ENSDARP00000118478	interleukin 15 [Source:ZFIN;Acc:ZDB-GENE-060213-2]	il15
ENSDARG00000007743	ENSDARP00000062665	interleukin 15, like [Source:ZFIN;Acc:ZDB-GENE-041111-173]	il15l
ENSDARG00000067847	ENSDARP00000088519	interleukin 21 [Source:ZFIN;Acc:ZDB-GENE-120510-4]	il21
ENSDARG00000045673	ENSDARP00000067154	interleukin 22 [Source:ZFIN;Acc:ZDB-GENE-060209-3]	il22
ENSDARG00000045672	ENSDARP00000067153	interleukin 26 [Source:ZFIN;Acc:ZDB-GENE-060209-4]	il26
ENSDARG00000075660	ENSDARP00000100366	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000087909	ENSDARP00000111189	interleukin 4 [Source:ZFIN;Acc:ZDB-GENE-100204-1]	il4
ENSDARG00000091391	ENSDARP00000105715	Intraflagellar transport protein 43 homolog [Source:UniProtKB/Swiss-Prot;Acc:E7F555]	IFT43
ENSDARG00000075829	ENSDARP00000099735	KISS-1 metastasis-suppressor [Source:ZFIN;Acc:ZDB-GENE-080128-1]	kiss1
ENSDARG00000095553	ENSDARP00000112893	lens epithelial protein [Source:ZFIN;Acc:ZDB-GENE-060130-3]	lencep
ENSDARG00000045548	ENSDARP00000113509	leptin b [Source:ZFIN;Acc:ZDB-GENE-041210-183]	lepb
ENSDARG00000020483	ENSDARP0000004968	lymphotoxin alpha (TNF superfamily, member 1) [Source:ZFIN;Acc:ZDB-GENE-050601-3]	lta
ENSDARG00000039034	ENSDARP00000056986	MARCKS-like 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2146]	marcksl1a
ENSDARG00000035715	ENSDARP00000051803	MARCKS-like 1b [Source:ZFIN;Acc:ZDB-GENE-040426-2315]	marcksl1b
ENSDARG00000095300	ENSDARP00000120648	matrix-remodelling associated 7 [Source:ZFIN;Acc:ZDB-GENE-041014-95]	mxra7
ENSDARG00000091992	ENSDARP00000123129	melanocortin 2 receptor accessory protein [Source:ZFIN;Acc:ZDB-GENE-060503-387]	mrap
ENSDARG00000041623	ENSDARP00000061006	metallothionein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4174]	mt2
ENSDARG00000092648	ENSDARP00000112847	mevalonate (diphospho) decarboxylase b [Source:ZFIN;Acc:ZDB-GENE-060503-404]	mvdb
ENSDARG00000092916	ENSDARP00000115621	motilin-like [Source:ZFIN;Acc:ZDB-GENE-091204-289]	mlnl
ENSDARG00000069559	ENSDARP00000092121	mucin 13a, cell surface associated [Source:ZFIN;Acc:ZDB-GENE-061207-26]	muc13a
ENSDARG00000036186	ENSDARP00000126314	myelin basic protein a [Source:ZFIN;Acc:ZDB-GENE-030128-2]	mbpa
ENSDARG00000069984	ENSDARP00000093090	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nk3
ENSDARG00000096278	ENSDARP00000098247	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nk3
ENSDARG00000086218	ENSDARP00000106994	naked cuticle homolog 3 [Source:ZFIN;Acc:ZDB-GENE-060503-63]	nk3
ENSDARG00000070419	ENSDARP00000114734	naked cuticle homolog 3, like [Source:ZFIN;Acc:ZDB-GENE-060503-555]	nk3l
ENSDARG00000058917	ENSDARP00000076314	nanor [Source:ZFIN;Acc:ZDB-GENE-030128-1]	nnr
ENSDARG00000005513	ENSDARP00000121027	nascent polypeptide-associated complex alpha polypeptide [Source:ZFIN;Acc:ZDB-GENE-020423-4]	naca
ENSDARG00000075944	ENSDARP00000097529	neuromedin S [Source:ZFIN;Acc:ZDB-GENE-090709-1]	nms
ENSDARG00000036227	ENSDARP00000052626	neuropeptide VF precursor [Source:ZFIN;Acc:ZDB-GENE-070424-226]	npvf
ENSDARG00000020332	ENSDARP00000010226	NK2 transcription factor related, locus 9 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-4340]	nkx2.9
ENSDARG00000096282	ENSDARP00000125740	notch1a	notch1a
ENSDARG00000042968	ENSDARP00000125468	novel immune-type receptor 10a [Source:ZFIN;Acc:ZDB-GENE-041001-5]	nitr10a
ENSDARG00000036751	ENSDARP00000053362	novel immune-type receptor 10b [Source:ZFIN;Acc:ZDB-GENE-041001-4]	nitr10b
ENSDARG00000036749	ENSDARP00000053360	novel immune-type receptor 11a [Source:ZFIN;Acc:ZDB-GENE-041001-3]	nitr11a

ENSDARG00000043398	ENSDARP00000074796	novel immune-type receptor 2a [Source:ZFIN;Acc:ZDB-GENE-020225-28]	nitr2a
ENSDARG00000075288	ENSDARP00000100048	novel immune-type receptor 4a [Source:ZFIN;Acc:ZDB-GENE-001106-11]	nitr4a
ENSDARG00000057956	ENSDARP00000075163	novel immune-type receptor 6a [Source:ZFIN;Acc:ZDB-GENE-020225-42]	nitr6a
ENSDARG00000076846	ENSDARP00000092476	novel immune-type receptor 6a [Source:ZFIN;Acc:ZDB-GENE-020225-42]	nitr6a
ENSDARG00000090606	ENSDARP00000109448	novel immune-type receptor 6b [Source:ZFIN;Acc:ZDB-GENE-041001-10]	nitr6b
ENSDARG00000057941	ENSDARP00000075143	novel immune-type receptor 6c [Source:ZFIN;Acc:ZDB-GENE-041001-11]	nitr6c
ENSDARG00000069925	ENSDARP00000053351	novel immune-type receptor 7a [Source:ZFIN;Acc:ZDB-GENE-041001-9]	nitr7a
ENSDARG00000069927	ENSDARP00000053349	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000067977	ENSDARP00000059672	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000093916	ENSDARP00000116207	novel immune-type receptor 7b [Source:ZFIN;Acc:ZDB-GENE-041001-8]	nitr7b
ENSDARG00000036743	ENSDARP00000067958	Novel immune-type receptor 7b; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q5YB50]	NITR7B
ENSDARG00000028333	ENSDARP00000053356	novel immune-type receptor 9 [Source:ZFIN;Acc:ZDB-GENE-041001-6]	nitr9
ENSDARG00000096224	ENSDARP00000124445	nuclear receptor subfamily 6, group A, member 1a [Source:ZFIN;Acc:ZDB-GENE-991207-19]	nr6a1a
ENSDARG00000074476	ENSDARP00000112800	odontogenic, ameloblast associated [Source:ZFIN;Acc:ZDB-GENE-090313-260]	odaam
ENSDARG00000078257	ENSDARP00000101277	olfactory receptor class A related 5 [Source:ZFIN;Acc:ZDB-GENE-100721-7]	ora5
ENSDARG00000076078	ENSDARP00000102948	olfactory receptor class A related 6 [Source:ZFIN;Acc:ZDB-GENE-100721-8]	ora6
ENSDARG00000094130	ENSDARP00000114690	organic solute carrier partner 1a [Source:ZFIN;Acc:ZDB-GENE-080204-2]	oscp1a
ENSDARG00000071215	ENSDARP00000062739	paralemmin 3 [Source:ZFIN;Acc:ZDB-GENE-061215-74]	palm3
ENSDARG00000017127	ENSDARP0000017273	PDZK1 interacting protein 1, like [Source:ZFIN;Acc:ZDB-GENE-030616-128]	pdzk1ip1
ENSDARG00000035133	ENSDARP00000050878	phoenix [Source:ZFIN;Acc:ZDB-GENE-030131-5935]	pho
ENSDARG00000089307	ENSDARP00000105705	phorbol-12-myristate-13-acetate-induced protein 1 [Source:ZFIN;Acc:ZDB-GENE-070119-3]	pmaip1
ENSDARG00000075421	ENSDARP00000069655	pituitary tumor-transforming 1 [Source:ZFIN;Acc:ZDB-GENE-081104-345]	pttg1
ENSDARG00000092513	ENSDARP00000113826	pku300 [Source:ZFIN;Acc:ZDB-GENE-070705-222]	pku300
ENSDARG00000097426	ENSDARP00000115640	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:ZFIN;Acc:ZDB-GENE-030131-2517]	plekhg6
ENSDARG00000094356	ENSDARP00000115572	poliovirus receptor-related 4 [Source:HGNC Symbol;Acc:HGNC:19688]	PVR4
ENSDARG00000090335	ENSDARP00000104675	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17728]	PMFBP1
ENSDARG00000078168	ENSDARP00000103006	PR domain containing 1b, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-080618-2]	prdm1b
ENSDARG00000026229	ENSDARP00000030466	prion protein a [Source:ZFIN;Acc:ZDB-GENE-041217-6]	prnpa
ENSDARG00000044048	ENSDARP00000064665	prion protein b [Source:ZFIN;Acc:ZDB-GENE-041221-2]	prnpb
ENSDARG00000037075	ENSDARP00000129661	prion protein, related sequence 3 [Source:ZFIN;Acc:ZDB-GENE-041221-3]	prnpr3
ENSDARG00000043904	ENSDARP00000064471	proline-rich nuclear receptor coactivator 1 [Source:ZFIN;Acc:ZDB-GENE-040724-189]	pnrc1
ENSDARG00000076978	ENSDARP00000101364	pro-melanin-concentrating hormone, like [Source:ZFIN;Acc:ZDB-GENE-030131-7863]	pmchl
ENSDARG00000039756	ENSDARP00000113013	PROP paired-like homeobox 1 [Source:ZFIN;Acc:ZDB-GENE-081107-40]	prop1
ENSDARG00000076170	ENSDARP00000109911	proprotein convertase subtilisin/kexin type 1 inhibitor, like [Source:ZFIN;Acc:ZDB-GENE-090427-2]	pcsk1nl
ENSDARG00000071353	ENSDARP00000107832	protein MGARP-like [Source:RefSeq peptide;Acc:NP_001268979]	AL929007.1
ENSDARG00000097143	ENSDARP00000129158	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:ZFIN;Acc:ZDB-GENE-120126-1]	ppp1r1b
ENSDARG00000068636	ENSDARP00000090124	protein phosphatase 1, regulatory subunit 26 [Source:ZFIN;Acc:ZDB-GENE-061103-607]	ppp1r26
ENSDARG00000021113	ENSDARP00000009093	prothymosin, alpha a [Source:ZFIN;Acc:ZDB-GENE-030131-7647]	ptmaa
ENSDARG00000079193	ENSDARP00000103236	prothymosin, alpha b [Source:ZFIN;Acc:ZDB-GENE-030131-8681]	ptmab
ENSDARG00000023181	ENSDARP00000033497	Purkinje cell protein 4 like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-35]	pcp4l1
ENSDARG00000053130	ENSDARP00000069608	Purkinje cell protein 4a [Source:ZFIN;Acc:ZDB-GENE-031118-105]	pcp4a
ENSDARG00000075631	ENSDARP00000098872	putative pa014 protein-like (LOC100334155), mRNA [Source:RefSeq mRNA;Acc:NM_001177492]	BX247944.1
ENSDARG00000096533	ENSDARP00000126766	RAMP-like triterpene glycoside receptor [Source:ZFIN;Acc:ZDB-GENE-100727-4]	rtigr
ENSDARG00000091161	ENSDARP00000110329	rapunzel [Source:ZFIN;Acc:ZDB-GENE-070117-651]	rpz
ENSDARG00000091215	ENSDARP00000106769	rapunzel 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9071]	rpz2
ENSDARG00000069728	ENSDARP00000092473	rapunzel 3 [Source:ZFIN;Acc:ZDB-GENE-030131-4784]	rpz3
ENSDARG00000039871	ENSDARP00000058323	rapunzel 4 [Source:ZFIN;Acc:ZDB-GENE-050417-472]	rpz4
ENSDARG00000075718	ENSDARP00000096709	rapunzel 5 [Source:ZFIN;Acc:ZDB-GENE-030131-4678]	rpz5
ENSDARG00000089889	ENSDARP00000105455	rapunzel3 (rpz3), mRNA [Source:RefSeq mRNA;Acc:NM_001146098]	CU861453.1
ENSDARG00000059238	ENSDARP00000021982	reticulon 4b [Source:ZFIN;Acc:ZDB-GENE-030710-2]	rt4b
ENSDARG00000091124	ENSDARP00000111428	ribosomal protein S19 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-110316-2]	rs19bp1
ENSDARG00000077459	ENSDARP00000101392	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc:HGNC:30338]	RIC3
ENSDARG00000094018	ENSDARP00000118678	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	RNF214
ENSDARG00000097289	ENSDARP00000128419	rnf183	rnf183
ENSDARG00000087186	ENSDARP00000104756	sb:cb827 [Source:ZFIN;Acc:ZDB-GENE-031002-40]	sb:cb827
ENSDARG00000079645	ENSDARP00000087970	sc:d217 [Source:ZFIN;Acc:ZDB-GENE-080303-15]	sc:d217
ENSDARG00000095540	ENSDARP00000115207	secreted immunoglobulin domain 1 [Source:ZFIN;Acc:ZDB-GENE-020620-1]	sid1
ENSDARG00000044276	ENSDARP00000092035	secreted phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-050706-97]	spp1
ENSDARG00000090416	ENSDARP00000106027	secretory calcium-binding phosphoprotein 1 [Source:ZFIN;Acc:ZDB-GENE-090424-1]	scpp1
ENSDARG00000078622	ENSDARP00000101096	secretory calcium-binding phosphoprotein 5 [Source:ZFIN;Acc:ZDB-GENE-090313-256]	scpp5
ENSDARG00000075598	ENSDARP00000105916	secretory calcium-binding phosphoprotein 6 [Source:ZFIN;Acc:ZDB-GENE-090313-258]	scpp6
ENSDARG00000074132	ENSDARP00000103282	secretory calcium-binding phosphoprotein 7 [Source:ZFIN;Acc:ZDB-GENE-090313-257]	scpp7
ENSDARG00000093124	ENSDARP00000112614	secretory calcium-binding phosphoprotein 8 [Source:ZFIN;Acc:ZDB-GENE-090424-2]	scpp8
ENSDARG00000087178	ENSDARP00000104811	secretory calcium-binding phosphoprotein 9 [Source:ZFIN;Acc:ZDB-GENE-090424-3]	scpp9
ENSDARG00000088444	ENSDARP00000110419	selenoprotein L (sell), mRNA [Source:RefSeq mRNA;Acc:NM_001190382]	CU929133.1
ENSDARG00000096801	ENSDARP00000127421	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4b [Source:ZFIN;Acc:ZDB-GENE-111117-1]	sema4gb
ENSDARG00000096920	ENSDARP00000128023	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HGNC:29389]	SRRM4
ENSDARG00000056004	ENSDARP00000063824	shadow of prion protein [Source:ZFIN;Acc:ZDB-GENE-031110-1]	spn
ENSDARG00000057665	ENSDARP00000074841	shadow of prion protein 2 [Source:ZFIN;Acc:ZDB-GENE-041221-1]	spn2
ENSDARG00000071541	ENSDARP00000096623	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	SHISA4
ENSDARG00000070858	ENSDARP00000095157	si:busm1-105116.2 [Source:ZFIN;Acc:ZDB-GENE-030616-108]	si:busm1-105116.2
ENSDARG00000089556	ENSDARP00000095706	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000090572	ENSDARP00000105512	si:busm1-180g5.7 [Source:ZFIN;Acc:ZDB-GENE-030616-256]	si:busm1-180g5.7
ENSDARG00000086735	ENSDARP00000128273	si:ch1073-111c8.3 [Source:ZFIN;Acc:ZDB-GENE-131127-561]	si:ch1073-111c8.3
ENSDARG00000090232	ENSDARP00000106701	si:ch1073-119b3.1 [Source:ZFIN;Acc:ZDB-GENE-131121-89]	si:ch1073-119b3.1
ENSDARG00000094899	ENSDARP00000116613	si:ch1073-143l10.2 [Source:ZFIN;Acc:ZDB-GENE-030131-863]	si:ch1073-143l10.2
ENSDARG00000096854	ENSDARP00000128964	si:ch1073-144j5.2 [Source:ZFIN;Acc:ZDB-GENE-131126-28]	si:ch1073-144j5.2

ENSDARG00000095640	ENSDARP00000120599	si:ch1073-15f19.2 [Source:ZFIN;Acc:ZDB-GENE-091204-84]	si:ch1073-15f19.2
ENSDARG00000074085	ENSDARP00000100000	si:ch1073-188e1.1 [Source:ZFIN;Acc:ZDB-GENE-070705-5]	si:ch1073-188e1.1
ENSDARG00000060953	ENSDARP00000095476	si:ch1073-214b20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-231]	si:ch1073-214b20.2
ENSDARG00000095799	ENSDARP00000124656	si:ch1073-228j22.1 [Source:ZFIN;Acc:ZDB-GENE-110411-219]	si:ch1073-228j22.1
ENSDARG00000095908	ENSDARP00000125021	si:ch1073-228p2.2 [Source:ZFIN;Acc:ZDB-GENE-110411-88]	si:ch1073-228p2.2
ENSDARG00000090870	ENSDARP00000125992	si:ch1073-263o8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5362]	si:ch1073-263o8.2
ENSDARG00000097475	ENSDARP00000128505	si:ch1073-270i17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-379]	si:ch1073-270i17.3
ENSDARG00000096582	ENSDARP00000126647	si:ch1073-286c18.5 [Source:ZFIN;Acc:ZDB-GENE-121214-240]	si:ch1073-286c18.5
ENSDARG00000096990	ENSDARP00000127483	si:ch1073-340i21.2 [Source:ZFIN;Acc:ZDB-GENE-131121-430]	si:ch1073-340i21.2
ENSDARG00000088885	ENSDARP00000110427	si:ch1073-340i21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-199]	si:ch1073-340i21.3
ENSDARG00000096602	ENSDARP00000126825	si:ch1073-357b18.4 [Source:ZFIN;Acc:ZDB-GENE-121214-213]	si:ch1073-357b18.4
ENSDARG00000092584	ENSDARP00000095491	si:ch1073-385f13.3 [Source:ZFIN;Acc:ZDB-GENE-131127-357]	si:ch1073-385f13.3
ENSDARG00000092421	ENSDARP00000119838	si:ch1073-394i4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-74]	si:ch1073-394i4.1
ENSDARG00000097309	ENSDARP00000128603	si:ch1073-416d2.4 [Source:ZFIN;Acc:ZDB-GENE-131121-564]	si:ch1073-416d2.4
ENSDARG00000095861	ENSDARP00000125068	si:ch1073-441p17.1 [Source:ZFIN;Acc:ZDB-GENE-110411-140]	si:ch1073-441p17.1
ENSDARG00000097712	ENSDARP00000128825	si:ch1073-443n13.2 [Source:ZFIN;Acc:ZDB-GENE-131127-214]	si:ch1073-443n13.2
ENSDARG00000077999	ENSDARP00000128923	si:ch1073-59l16.1 [Source:ZFIN;Acc:ZDB-GENE-131127-395]	si:ch1073-59l16.1
ENSDARG00000097987	ENSDARP00000120072	si:ch211-102c2.4 [Source:ZFIN;Acc:ZDB-GENE-030131-8862]	si:ch211-102c2.4
ENSDARG00000093823	ENSDARP00000115234	si:ch211-102c2.8 [Source:ZFIN;Acc:ZDB-GENE-081104-98]	si:ch211-102c2.8
ENSDARG00000097845	ENSDARP00000128650	si:ch211-105j21.9 [Source:ZFIN;Acc:ZDB-GENE-131127-499]	si:ch211-105j21.9
ENSDARG00000095800	ENSDARP00000124432	si:ch211-105n15.1 [Source:ZFIN;Acc:ZDB-GENE-110411-33]	si:ch211-105n15.1
ENSDARG00000097414	ENSDARP00000128934	si:ch211-106e7.2 [Source:ZFIN;Acc:ZDB-GENE-031116-72]	si:ch211-106e7.2
ENSDARG00000092920	ENSDARP00000122005	si:ch211-106h4.12 [Source:ZFIN;Acc:ZDB-GENE-070705-12]	si:ch211-106h4.12
ENSDARG00000095059	ENSDARP00000121016	si:ch211-106h4.5 [Source:ZFIN;Acc:ZDB-GENE-070705-15]	si:ch211-106h4.5
ENSDARG00000097573	ENSDARP00000128508	si:ch211-107e6.5 [Source:ZFIN;Acc:ZDB-GENE-131121-206]	si:ch211-107e6.5
ENSDARG00000096915	ENSDARP00000129658	si:ch211-107e6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-501]	si:ch211-107e6.6
ENSDARG00000090682	ENSDARP00000111039	si:ch211-108c6.2 [Source:ZFIN;Acc:ZDB-GENE-040724-7]	si:ch211-108c6.2
ENSDARG00000097099	ENSDARP00000127824	si:ch211-108d22.1 [Source:ZFIN;Acc:ZDB-GENE-131126-61]	si:ch211-108d22.1
ENSDARG00000095510	ENSDARP00000121923	si:ch211-10d23.5 [Source:ZFIN;Acc:ZDB-GENE-090313-10]	si:ch211-10d23.5
ENSDARG00000089338	ENSDARP00000106913	si:ch211-110e21.3 [Source:ZFIN;Acc:ZDB-GENE-131121-389]	si:ch211-110e21.3
ENSDARG00000093821	ENSDARP00000112784	si:ch211-110p13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-9]	si:ch211-110p13.9
ENSDARG00000076585	ENSDARP00000098389	si:ch211-113e8.11 [Source:ZFIN;Acc:ZDB-GENE-090313-12]	si:ch211-113e8.11
ENSDARG00000087835	ENSDARP00000116673	si:ch211-113p18.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4983]	si:ch211-113p18.3
ENSDARG00000028542	ENSDARP00000032320	si:ch211-114c12.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8522]	si:ch211-114c12.2
ENSDARG00000097732	ENSDARP00000128614	si:ch211-117i20.2 [Source:ZFIN;Acc:ZDB-GENE-131121-573]	si:ch211-117i20.2
ENSDARG00000096050	ENSDARP00000125186	si:ch211-117i17.4 [Source:ZFIN;Acc:ZDB-GENE-110913-102]	si:ch211-117i17.4
ENSDARG00000092855	ENSDARP00000116398	si:ch211-117n7.8 [Source:ZFIN;Acc:ZDB-GENE-060503-636]	si:ch211-117n7.8
ENSDARG00000094251	ENSDARP00000117732	si:ch211-119d14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-99]	si:ch211-119d14.2
ENSDARG00000092970	ENSDARP00000114378	si:ch211-11c15.3 [Source:ZFIN;Acc:ZDB-GENE-070126-5]	si:ch211-11c15.3
ENSDARG00000070215	ENSDARP00000093646	si:ch211-120e1.1 [Source:ZFIN;Acc:ZDB-GENE-07005-20]	si:ch211-120e1.1
ENSDARG00000094634	ENSDARP00000115029	si:ch211-120e1.7 [Source:ZFIN;Acc:ZDB-GENE-070424-119]	si:ch211-120e1.7
ENSDARG00000094474	ENSDARP00000123322	si:ch211-122i14.2 [Source:ZFIN;Acc:ZDB-GENE-041014-268]	si:ch211-122i14.2
ENSDARG00000093703	ENSDARP00000120405	si:ch211-122i14.4 [Source:ZFIN;Acc:ZDB-GENE-041014-266]	si:ch211-122i14.4
ENSDARG00000095775	ENSDARP00000114554	si:ch211-122i14.6 [Source:ZFIN;Acc:ZDB-GENE-041014-264]	si:ch211-122i14.6
ENSDARG00000087004	ENSDARP00000109898	si:ch211-122i24.4 [Source:ZFIN;Acc:ZDB-GENE-070912-32]	si:ch211-122i24.4
ENSDARG00000093018	ENSDARP00000117017	si:ch211-122i24.6 [Source:ZFIN;Acc:ZDB-GENE-070912-34]	si:ch211-122i24.6
ENSDARG00000094518	ENSDARP00000118148	si:ch211-125e6.8 [Source:ZFIN;Acc:ZDB-GENE-070912-42]	si:ch211-125e6.8
ENSDARG00000096664	ENSDARP00000126667	si:ch211-125g7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-8344]	si:ch211-125g7.3
ENSDARG00000098010	ENSDARP00000129635	si:ch211-127b16.1 [Source:ZFIN;Acc:ZDB-GENE-131121-431]	si:ch211-127b16.1
ENSDARG00000097866	ENSDARP00000128516	si:ch211-127b16.2 [Source:ZFIN;Acc:ZDB-GENE-131127-526]	si:ch211-127b16.2
ENSDARG00000095189	ENSDARP00000122049	si:ch211-127n13.2 [Source:ZFIN;Acc:ZDB-GENE-090312-72]	si:ch211-127n13.2
ENSDARG00000094445	ENSDARP00000121665	si:ch211-12e1.3 [Source:ZFIN;Acc:ZDB-GENE-070912-45]	si:ch211-12e1.3
ENSDARG00000091930	ENSDARP00000120171	si:ch211-12e13.1 [Source:ZFIN;Acc:ZDB-GENE-060526-24]	si:ch211-12e13.1
ENSDARG00000094016	ENSDARP00000113563	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092790	ENSDARP00000116556	si:ch211-130h14.4 [Source:ZFIN;Acc:ZDB-GENE-081107-8]	si:ch211-130h14.4
ENSDARG00000092422	ENSDARP00000116945	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000092687	ENSDARP00000120132	si:ch211-130h14.6 [Source:ZFIN;Acc:ZDB-GENE-081028-41]	si:ch211-130h14.6
ENSDARG00000089477	ENSDARP00000126644	si:ch211-132g1.3 [Source:ZFIN;Acc:ZDB-GENE-090312-148]	si:ch211-132g1.3
ENSDARG00000093102	ENSDARP00000127046	si:ch211-132g1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-469]	si:ch211-132g1.6
ENSDARG00000092533	ENSDARP00000118331	si:ch211-133i5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-114]	si:ch211-133i5.4
ENSDARG00000092099	ENSDARP00000113668	si:ch211-133n4.6 [Source:ZFIN;Acc:ZDB-GENE-060503-571]	si:ch211-133n4.6
ENSDARG00000095593	ENSDARP00000118481	si:ch211-134c9.2 [Source:ZFIN;Acc:ZDB-GENE-090312-73]	si:ch211-134c9.2
ENSDARG00000088867	ENSDARP00000109537	si:ch211-135n15.1 [Source:ZFIN;Acc:ZDB-GENE-131127-408]	si:ch211-135n15.1
ENSDARG00000096933	ENSDARP00000127607	si:ch211-135n15.2 [Source:ZFIN;Acc:ZDB-GENE-131121-526]	si:ch211-135n15.2
ENSDARG00000088189	ENSDARP00000129187	si:ch211-135n15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-406]	si:ch211-135n15.3
ENSDARG00000090767	ENSDARP00000110001	si:ch211-136m16.8 [Source:ZFIN;Acc:ZDB-GENE-121214-301]	si:ch211-136m16.8
ENSDARG00000087848	ENSDARP00000129560	si:ch211-137a8.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3742]	si:ch211-137a8.4
ENSDARG00000097372	ENSDARP00000127898	si:ch211-139d20.3 [Source:ZFIN;Acc:ZDB-GENE-131127-287]	si:ch211-139d20.3
ENSDARG00000097668	ENSDARP00000128188	si:ch211-139i2.1 [Source:ZFIN;Acc:ZDB-GENE-131127-491]	si:ch211-139i2.1
ENSDARG00000093816	ENSDARP00000114239	si:ch211-142c4.1 [Source:ZFIN;Acc:ZDB-GENE-100922-47]	si:ch211-142c4.1
ENSDARG00000096177	ENSDARP00000125198	si:ch211-145h19.3 [Source:ZFIN;Acc:ZDB-GENE-110914-100]	si:ch211-145h19.3
ENSDARG00000093216	ENSDARP00000118913	si:ch211-146i10.7 [Source:ZFIN;Acc:ZDB-GENE-091112-4]	si:ch211-146i10.7
ENSDARG00000095457	ENSDARP00000119849	si:ch211-147d7.5 [Source:ZFIN;Acc:ZDB-GENE-041014-353]	si:ch211-147d7.5
ENSDARG00000097352	ENSDARP00000127855	si:ch211-147g22.7 [Source:ZFIN;Acc:ZDB-GENE-131127-358]	si:ch211-147g22.7
ENSDARG00000095911	ENSDARP00000123912	si:ch211-149b19.4 [Source:ZFIN;Acc:ZDB-GENE-110411-90]	si:ch211-149b19.4
ENSDARG00000097553	ENSDARP00000123227	si:ch211-149p10.2 [Source:ZFIN;Acc:ZDB-GENE-060503-762]	si:ch211-149p10.2
ENSDARG00000093457	ENSDARP00000122104	si:ch211-14a11.2 [Source:ZFIN;Acc:ZDB-GENE-050420-151]	si:ch211-14a11.2
ENSDARG00000076534	ENSDARP00000101866	si:ch211-14a17.10 [Source:ZFIN;Acc:ZDB-GENE-030616-581]	si:ch211-14a17.10
ENSDARG00000094522	ENSDARP00000122467	si:ch211-14c7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-856]	si:ch211-14c7.2

ENSDARG00000097323	ENSDARP00000129709	si:ch211-14i3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-318]	si:ch211-14i3.2
ENSDARG00000092972	ENSDARP00000113980	si:ch211-14k19.8	si:ch211-14k19.8
ENSDARG00000092746	ENSDARP00000122765	si:ch211-150o23.2 [Source:ZFIN;Acc:ZDB-GENE-060503-386]	si:ch211-150o23.2
ENSDARG00000068250	ENSDARP00000089370	si:ch211-151h10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-29]	si:ch211-151h10.2
ENSDARG00000097563	ENSDARP00000129774	si:ch211-151m7.6 [Source:ZFIN;Acc:ZDB-GENE-131121-496]	si:ch211-151m7.6
ENSDARG00000045898	ENSDARP00000067460	si:ch211-152c2.3 [Source:ZFIN;Acc:ZDB-GENE-030131-9914]	si:ch211-152c2.3
ENSDARG00000074024	ENSDARP00000099715	si:ch211-152n14.4 [Source:ZFIN;Acc:ZDB-GENE-120214-6]	si:ch211-152n14.4
ENSDARG00000094519	ENSDARP00000118797	si:ch211-152p23.2 [Source:ZFIN;Acc:ZDB-GENE-081104-134]	si:ch211-152p23.2
ENSDARG00000097187	ENSDARP00000128396	si:ch211-153i6.6 [Source:ZFIN;Acc:ZDB-GENE-131121-98]	si:ch211-153i6.6
ENSDARG00000095612	ENSDARP00000118856	si:ch211-155e24.2 [Source:ZFIN;Acc:ZDB-GENE-070912-115]	si:ch211-155e24.2
ENSDARG00000074359	ENSDARP00000120163	si:ch211-155k24.1 [Source:ZFIN;Acc:ZDB-GENE-110131-4]	si:ch211-155k24.1
ENSDARG00000096834	ENSDARP00000128075	si:ch211-155k24.9 [Source:ZFIN;Acc:ZDB-GENE-131127-51]	si:ch211-155k24.9
ENSDARG00000096567	ENSDARP00000127025	si:ch211-155o21.4 [Source:ZFIN;Acc:ZDB-GENE-121214-169]	si:ch211-155o21.4
ENSDARG00000092035	ENSDARP00000117986	si:ch211-156j16.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4106]	si:ch211-156j16.1
ENSDARG00000094977	ENSDARP00000114107	si:ch211-156j22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-1968]	si:ch211-156j22.4
ENSDARG00000095885	ENSDARP00000124437	si:ch211-158m24.12 [Source:ZFIN;Acc:ZDB-GENE-110411-14]	si:ch211-158m24.12
ENSDARG00000097930	ENSDARP00000129499	si:ch211-161c3.6 [Source:ZFIN;Acc:ZDB-GENE-131126-51]	si:ch211-161c3.6
ENSDARG00000087238	ENSDARP00000110342	si:ch211-161h7.4 [Source:ZFIN;Acc:ZDB-GENE-091118-108]	si:ch211-161h7.4
ENSDARG00000097407	ENSDARP00000128768	si:ch211-162e15.3 [Source:ZFIN;Acc:ZDB-GENE-131121-530]	si:ch211-162e15.3
ENSDARG00000096384	ENSDARP00000125698	si:ch211-162i14.1 [Source:ZFIN;Acc:ZDB-GENE-120215-244]	si:ch211-162i14.1
ENSDARG00000094890	ENSDARP00000120066	si:ch211-163b2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-502]	si:ch211-163b2.4
ENSDARG00000095555	ENSDARP00000114350	si:ch211-163g19.2 [Source:ZFIN;Acc:ZDB-GENE-090313-55]	si:ch211-163g19.2
ENSDARG00000095327	ENSDARP00000114423	si:ch211-165a10.1 [Source:ZFIN;Acc:ZDB-GENE-090312-44]	si:ch211-165a10.1
ENSDARG00000095370	ENSDARP00000113045	si:ch211-165a10.3 [Source:ZFIN;Acc:ZDB-GENE-090312-95]	si:ch211-165a10.3
ENSDARG00000095469	ENSDARP00000115317	si:ch211-165a10.5 [Source:ZFIN;Acc:ZDB-GENE-090312-14]	si:ch211-165a10.5
ENSDARG00000097953	ENSDARP00000103945	si:ch211-165d12.4 [Source:ZFIN;Acc:ZDB-GENE-080303-7]	si:ch211-165d12.4
ENSDARG00000094276	ENSDARP00000117131	si:ch211-165f21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-860]	si:ch211-165f21.1
ENSDARG00000095504	ENSDARP00000117912	si:ch211-167j6.3 [Source:ZFIN;Acc:ZDB-GENE-070912-145]	si:ch211-167j6.3
ENSDARG00000096809	ENSDARP00000127151	si:ch211-168b3.2 [Source:ZFIN;Acc:ZDB-GENE-130603-47]	si:ch211-168b3.2
ENSDARG00000079524	ENSDARP00000099087	si:ch211-168h21.3 [Source:ZFIN;Acc:ZDB-GENE-090311-14]	si:ch211-168h21.3
ENSDARG00000094887	ENSDARP00000113972	si:ch211-170d8.2 [Source:ZFIN;Acc:ZDB-GENE-030328-34]	si:ch211-170d8.2
ENSDARG00000094794	ENSDARP00000115457	si:ch211-171b20.3 [Source:ZFIN;Acc:ZDB-GENE-091204-278]	si:ch211-171b20.3
ENSDARG00000088408	ENSDARP00000108590	si:ch211-171h4.7 [Source:ZFIN;Acc:ZDB-GENE-120215-25]	si:ch211-171h4.7
ENSDARG00000063873	ENSDARP00000093940	si:ch211-174h4.1 [Source:ZFIN;Acc:ZDB-GENE-060503-767]	si:ch211-174h4.1
ENSDARG00000093015	ENSDARP00000123422	si:ch211-174j14.2 [Source:ZFIN;Acc:ZDB-GENE-050419-63]	si:ch211-174j14.2
ENSDARG00000096522	ENSDARP00000126841	si:ch211-176g6.1 [Source:ZFIN;Acc:ZDB-GENE-121214-106]	si:ch211-176g6.1
ENSDARG00000097203	ENSDARP00000127843	si:ch211-176i24.4 [Source:ZFIN;Acc:ZDB-GENE-131126-55]	si:ch211-176i24.4
ENSDARG00000096902	ENSDARP00000129734	si:ch211-180n24.3 [Source:ZFIN;Acc:ZDB-GENE-131121-454]	si:ch211-180n24.3
ENSDARG00000096663	ENSDARP00000129437	si:ch211-185a18.2	si:ch211-185a18.2
ENSDARG00000070304	ENSDARP00000121504	si:ch211-188c18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-296]	si:ch211-188c18.1
ENSDARG00000095756	ENSDARP00000120464	si:ch211-190k17.19 [Source:ZFIN;Acc:ZDB-GENE-070912-167]	si:ch211-190k17.19
ENSDARG00000070141	ENSDARP00000126109	si:ch211-191i18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-769]	si:ch211-191i18.2
ENSDARG00000095328	ENSDARP00000114043	si:ch211-191i18.4 [Source:ZFIN;Acc:ZDB-GENE-060503-15]	si:ch211-191i18.4
ENSDARG00000095459	ENSDARP00000123372	si:ch211-191j22.3 [Source:ZFIN;Acc:ZDB-GENE-030131-4242]	si:ch211-191j22.3
ENSDARG00000096966	ENSDARP00000129781	si:ch211-193k8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-580]	si:ch211-193k8.2
ENSDARG00000097325	ENSDARP00000129849	si:ch211-193k8.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5121]	si:ch211-193k8.5
ENSDARG00000093337	ENSDARP00000121921	si:ch211-195h23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-175]	si:ch211-195h23.4
ENSDARG00000094197	ENSDARP00000117591	si:ch211-196c10.11 [Source:ZFIN;Acc:ZDB-GENE-081104-493]	si:ch211-196c10.11
ENSDARG00000041492	ENSDARP00000060824	si:ch211-196f5.2 [Source:ZFIN;Acc:ZDB-GENE-041014-306]	si:ch211-196f5.2
ENSDARG00000096451	ENSDARP00000126501	si:ch211-196f5.9 [Source:ZFIN;Acc:ZDB-GENE-120709-32]	si:ch211-196f5.9
ENSDARG00000096014	ENSDARP00000125530	si:ch211-197e10.2 [Source:ZFIN;Acc:ZDB-GENE-110914-152]	si:ch211-197e10.2
ENSDARG00000089333	ENSDARP00000104595	si:ch211-198c19.1 [Source:ZFIN;Acc:ZDB-GENE-100922-218]	si:ch211-198c19.1
ENSDARG00000095533	ENSDARP00000119650	si:ch211-198c19.3 [Source:ZFIN;Acc:ZDB-GENE-100922-226]	si:ch211-198c19.3
ENSDARG00000093192	ENSDARP00000119175	si:ch211-198m1.1 [Source:ZFIN;Acc:ZDB-GENE-091204-181]	si:ch211-198m1.1
ENSDARG00000068098	ENSDARP00000089054	si:ch211-198o12.4 [Source:ZFIN;Acc:ZDB-GENE-060503-300]	si:ch211-198o12.4
ENSDARG00000097765	ENSDARP00000129782	si:ch211-198p11.6 [Source:ZFIN;Acc:ZDB-GENE-131127-507]	si:ch211-198p11.6
ENSDARG00000092310	ENSDARP00000125935	si:ch211-199g17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-396]	si:ch211-199g17.2
ENSDARG00000092029	ENSDARP00000115628	si:ch211-199m3.1 [Source:ZFIN;Acc:ZDB-GENE-041014-338]	si:ch211-199m3.1
ENSDARG00000094126	ENSDARP00000119984	si:ch211-202c21.7 [Source:ZFIN;Acc:ZDB-GENE-081031-16]	si:ch211-202c21.7
ENSDARG00000078138	ENSDARP00000100828	si:ch211-202h22.8 [Source:ZFIN;Acc:ZDB-GENE-090313-78]	si:ch211-202h22.8
ENSDARG00000094491	ENSDARP00000114861	si:ch211-202m22.1 [Source:ZFIN;Acc:ZDB-GENE-060531-31]	si:ch211-202m22.1
ENSDARG00000097941	ENSDARP00000129031	si:ch211-207d10.2 [Source:ZFIN;Acc:ZDB-GENE-131127-573]	si:ch211-207d10.2
ENSDARG00000094805	ENSDARP00000123312	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000096085	ENSDARP00000125151	si:ch211-208g1.1 [Source:ZFIN;Acc:ZDB-GENE-050419-135]	si:ch211-208g1.1
ENSDARG00000095607	ENSDARP00000119215	si:ch211-209f23.3 [Source:ZFIN;Acc:ZDB-GENE-100921-45]	si:ch211-209f23.3
ENSDARG00000093317	ENSDARP00000114099	si:ch211-209j10.6 [Source:ZFIN;Acc:ZDB-GENE-090311-44]	si:ch211-209j10.6
ENSDARG00000096431	ENSDARP00000126397	si:ch211-209j12.1 [Source:ZFIN;Acc:ZDB-GENE-120709-44]	si:ch211-209j12.1
ENSDARG00000096438	ENSDARP00000126364	si:ch211-209j12.2 [Source:ZFIN;Acc:ZDB-GENE-120709-33]	si:ch211-209j12.2
ENSDARG00000093111	ENSDARP00000127975	si:ch211-209j18.2 [Source:ZFIN;Acc:ZDB-GENE-060503-682]	si:ch211-209j18.2
ENSDARG00000092856	ENSDARP00000114642	si:ch211-210c8.7 [Source:ZFIN;Acc:ZDB-GENE-090313-81]	si:ch211-210c8.7
ENSDARG00000078499	ENSDARP00000103610	si:ch211-212k5.3 [Source:ZFIN;Acc:ZDB-GENE-110914-156]	si:ch211-212k5.3
ENSDARG00000097483	ENSDARP00000128784	si:ch211-213d14.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8357]	si:ch211-213d14.2
ENSDARG00000069595	ENSDARP00000117940	si:ch211-214c7.4 [Source:ZFIN;Acc:ZDB-GENE-030131-6275]	si:ch211-214c7.4
ENSDARG00000045847	ENSDARP00000067377	si:ch211-214j24.10 [Source:ZFIN;Acc:ZDB-GENE-030131-6301]	si:ch211-214j24.10
ENSDARG00000096037	ENSDARP00000125448	si:ch211-214j24.14 [Source:ZFIN;Acc:ZDB-GENE-110914-226]	si:ch211-214j24.14
ENSDARG00000092556	ENSDARP00000122372	si:ch211-214j8.12 [Source:ZFIN;Acc:ZDB-GENE-060526-102]	si:ch211-214j8.12
ENSDARG00000092952	ENSDARP00000119146	si:ch211-215m21.20 [Source:ZFIN;Acc:ZDB-GENE-090506-1]	si:ch211-215m21.20
ENSDARG00000092727	ENSDARP00000115328	si:ch211-215m21.24 [Source:ZFIN;Acc:ZDB-GENE-070705-109]	si:ch211-215m21.24
ENSDARG00000039423	ENSDARP00000057599	si:ch211-217g15.3 [Source:ZFIN;Acc:ZDB-GENE-030616-619]	si:ch211-217g15.3

ENS DARG00000097345	ENS DARP00000125400	si:ch211-217k17.10 [Source:ZFIN;Acc:ZDB-GENE-030131-8827]	si:ch211-217k17.10
ENS DARG00000093748	ENS DARP00000125424	si:ch211-217k17.11 [Source:ZFIN;Acc:ZDB-GENE-030131-8636]	si:ch211-217k17.11
ENS DARG00000088234	ENS DARP00000125182	si:ch211-217k17.12 [Source:ZFIN;Acc:ZDB-GENE-061207-20]	si:ch211-217k17.12
ENS DARG00000095434	ENS DARP00000122035	si:ch211-217k17.8 [Source:ZFIN;Acc:ZDB-GENE-031010-46]	si:ch211-217k17.8
ENS DARG00000093944	ENS DARP00000120801	si:ch211-217k17.9 [Source:ZFIN;Acc:ZDB-GENE-061207-21]	si:ch211-217k17.9
ENS DARG00000092364	ENS DARP00000120148	si:ch211-218c6.8 [Source:ZFIN;Acc:ZDB-GENE-050419-103]	si:ch211-218c6.8
ENS DARG00000094660	ENS DARP00000119255	si:ch211-218d20.15 [Source:ZFIN;Acc:ZDB-GENE-070912-193]	si:ch211-218d20.15
ENS DARG00000093977	ENS DARP00000119177	si:ch211-220f16.1 [Source:ZFIN;Acc:ZDB-GENE-070912-198]	si:ch211-220f16.1
ENS DARG00000092262	ENS DARP00000120198	si:ch211-220m6.4 [Source:ZFIN;Acc:ZDB-GENE-081104-183]	si:ch211-220m6.4
ENS DARG00000097684	ENS DARP00000129478	si:ch211-221j21.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1805]	si:ch211-221j21.3
ENS DARG00000093187	ENS DARP00000117491	si:ch211-221n20.1 [Source:ZFIN;Acc:ZDB-GENE-041014-227]	si:ch211-221n20.1
ENS DARG00000095671	ENS DARP00000117608	si:ch211-221n20.2 [Source:ZFIN;Acc:ZDB-GENE-041014-225]	si:ch211-221n20.2
ENS DARG00000092572	ENS DARP00000119937	si:ch211-221n20.4 [Source:ZFIN;Acc:ZDB-GENE-041014-222]	si:ch211-221n20.4
ENS DARG00000092120	ENS DARP00000119089	si:ch211-222d3.3 [Source:ZFIN;Acc:ZDB-GENE-091113-10]	si:ch211-222d3.3
ENS DARG00000092578	ENS DARP00000113649	si:ch211-222e20.4 [Source:ZFIN;Acc:ZDB-GENE-091118-60]	si:ch211-222e20.4
ENS DARG00000071578	ENS DARP00000096692	si:ch211-222k6.3 [Source:ZFIN;Acc:ZDB-GENE-050208-567]	si:ch211-222k6.3
ENS DARG00000094425	ENS DARP00000116586	si:ch211-222m18.4 [Source:ZFIN;Acc:ZDB-GENE-050419-64]	si:ch211-222m18.4
ENS DARG00000097269	ENS DARP00000128401	si:ch211-222n22.1 [Source:ZFIN;Acc:ZDB-GENE-131121-417]	si:ch211-222n22.1
ENS DARG00000093563	ENS DARP00000116648	si:ch211-225b11.4 [Source:ZFIN;Acc:ZDB-GENE-060526-114]	si:ch211-225b11.4
ENS DARG00000097453	ENS DARP00000129356	si:ch211-225b7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-217]	si:ch211-225b7.5
ENS DARG00000094038	ENS DARP00000118164	si:ch211-226f6.1 [Source:ZFIN;Acc:ZDB-GENE-070912-217]	si:ch211-226f6.1
ENS DARG00000097229	ENS DARP00000128319	si:ch211-226h8.15 [Source:ZFIN;Acc:ZDB-GENE-131121-380]	si:ch211-226h8.15
ENS DARG00000026864	ENS DARP00000033525	si:ch211-226m16.3 [Source:ZFIN;Acc:ZDB-GENE-040724-8]	si:ch211-226m16.3
ENS DARG00000093984	ENS DARP00000120080	si:ch211-227e10.2 [Source:ZFIN;Acc:ZDB-GENE-050419-8]	si:ch211-227e10.2
ENS DARG00000096917	ENS DARP00000129817	si:ch211-227m13.1 [Source:ZFIN;Acc:ZDB-GENE-131121-45]	si:ch211-227m13.1
ENS DARG00000045646	ENS DARP00000067120	si:ch211-227p7.1 [Source:ZFIN;Acc:ZDB-GENE-041210-224]	si:ch211-227p7.1
ENS DARG00000093422	ENS DARP00000120431	si:ch211-229b6.1 [Source:ZFIN;Acc:ZDB-GENE-060503-311]	si:ch211-229b6.1
ENS DARG00000095101	ENS DARP00000119024	si:ch211-229g14.3 [Source:ZFIN;Acc:ZDB-GENE-081104-187]	si:ch211-229g14.3
ENS DARG00000043485	ENS DARP00000127061	si:ch211-22i13.2 [Source:ZFIN;Acc:ZDB-GENE-041014-143]	si:ch211-22i13.2
ENS DARG00000092140	ENS DARP00000115834	si:ch211-231i17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-47]	si:ch211-231i17.3
ENS DARG00000095092	ENS DARP00000121498	si:ch211-232m8.3 [Source:ZFIN;Acc:ZDB-GENE-081107-22]	si:ch211-232m8.3
ENS DARG00000092308	ENS DARP00000114565	si:ch211-233b23.4 [Source:ZFIN;Acc:ZDB-GENE-081104-523]	si:ch211-233b23.4
ENS DARG000000979485	ENS DARP00000053521	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENS DARG00000093615	ENS DARP00000114617	si:ch211-234c11.3 [Source:ZFIN;Acc:ZDB-GENE-110914-93]	si:ch211-234c11.3
ENS DARG00000095179	ENS DARP00000121093	si:ch211-235f1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-440]	si:ch211-235f1.3
ENS DARG00000092119	ENS DARP00000115442	si:ch211-235f12.2 [Source:ZFIN;Acc:ZDB-GENE-050419-113]	si:ch211-235f12.2
ENS DARG00000071590	ENS DARP00000096881	si:ch211-236g6.1 [Source:ZFIN;Acc:ZDB-GENE-050208-448]	si:ch211-236g6.1
ENS DARG00000056915	ENS DARP00000073953	si:ch211-237i4.6 [Source:ZFIN;Acc:ZDB-GENE-040724-42]	si:ch211-237i4.6
ENS DARG00000094500	ENS DARP00000123635	si:ch211-238e22.4 [Source:ZFIN;Acc:ZDB-GENE-030131-3632]	si:ch211-238e22.4
ENS DARG00000054502	ENS DARP00000067126	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENS DARG00000094723	ENS DARP00000123195	si:ch211-238e22.5 [Source:ZFIN;Acc:ZDB-GENE-041210-374]	si:ch211-238e22.5
ENS DARG00000093347	ENS DARP00000113620	si:ch211-239f4.6 [Source:ZFIN;Acc:ZDB-GENE-061009-18]	si:ch211-239f4.6
ENS DARG00000094228	ENS DARP00000113775	si:ch211-239m17.1 [Source:ZFIN;Acc:ZDB-GENE-060503-128]	si:ch211-239m17.1
ENS DARG00000095589	ENS DARP00000123241	si:ch211-239m17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-222]	si:ch211-239m17.2
ENS DARG00000097680	ENS DARP00000128702	si:ch211-241f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-563]	si:ch211-241f5.3
ENS DARG00000095223	ENS DARP00000117138	si:ch211-242f23.3 [Source:ZFIN;Acc:ZDB-GENE-091204-367]	si:ch211-242f23.3
ENS DARG00000097681	ENS DARP00000128772	si:ch211-244k5.1 [Source:ZFIN;Acc:ZDB-GENE-131127-43]	si:ch211-244k5.1
ENS DARG00000041911	ENS DARP00000061416	si:ch211-245h14.1 [Source:ZFIN;Acc:ZDB-GENE-041014-350]	si:ch211-245h14.1
ENS DARG00000092455	ENS DARP00000116227	si:ch211-246e12.3 [Source:ZFIN;Acc:ZDB-GENE-091204-288]	si:ch211-246e12.3
ENS DARG00000097637	ENS DARP00000129460	si:ch211-246i5.5 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-246i5.5
ENS DARG00000096467	ENS DARP00000126370	si:ch211-246n15.2 [Source:ZFIN;Acc:ZDB-GENE-120703-24]	si:ch211-246n15.2
ENS DARG00000097693	ENS DARP00000128313	si:ch211-248a14.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	si:ch211-248a14.8
ENS DARG00000094638	ENS DARP00000116720	si:ch211-249c2.1 [Source:ZFIN;Acc:ZDB-GENE-060503-317]	si:ch211-249c2.1
ENS DARG00000088251	ENS DARP00000109456	si:ch211-24o10.6 [Source:ZFIN;Acc:ZDB-GENE-131121-418]	si:ch211-24o10.6
ENS DARG00000075943	ENS DARP00000101758	si:ch211-250c4.5 [Source:ZFIN;Acc:ZDB-GENE-081107-33]	si:ch211-250c4.5
ENS DARG00000092945	ENS DARP00000112897	si:ch211-250g4.3 [Source:ZFIN;Acc:ZDB-GENE-060503-506]	si:ch211-250g4.3
ENS DARG00000096274	ENS DARP00000126078	si:ch211-251g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-224]	si:ch211-251g8.5
ENS DARG00000071800	ENS DARP00000097251	si:ch211-255f4.11 [Source:ZFIN;Acc:ZDB-GENE-050208-387]	si:ch211-255f4.11
ENS DARG00000093510	ENS DARP00000115145	si:ch211-255f4.12 [Source:ZFIN;Acc:ZDB-GENE-050208-468]	si:ch211-255f4.12
ENS DARG00000092575	ENS DARP00000120408	si:ch211-255f4.13 [Source:ZFIN;Acc:ZDB-GENE-050208-548]	si:ch211-255f4.13
ENS DARG00000092655	ENS DARP00000116830	si:ch211-255f4.6 [Source:ZFIN;Acc:ZDB-GENE-050208-549]	si:ch211-255f4.6
ENS DARG00000092848	ENS DARP00000119554	si:ch211-255f4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-709]	si:ch211-255f4.8
ENS DARG00000094319	ENS DARP00000117111	si:ch211-255f4.9 [Source:ZFIN;Acc:ZDB-GENE-050208-790]	si:ch211-255f4.9
ENS DARG00000094310	ENS DARP00000122204	si:ch211-255g12.6 [Source:ZFIN;Acc:ZDB-GENE-081104-198]	si:ch211-255g12.6
ENS DARG00000096616	ENS DARP00000127083	si:ch211-255p10.3 [Source:ZFIN;Acc:ZDB-GENE-121214-339]	si:ch211-255p10.3
ENS DARG00000097032	ENS DARP00000127655	si:ch211-256a21.4 [Source:ZFIN;Acc:ZDB-GENE-131121-329]	si:ch211-256a21.4
ENS DARG00000096958	ENS DARP00000129424	si:ch211-25g7.5 [Source:ZFIN;Acc:ZDB-GENE-131121-401]	si:ch211-25g7.5
ENS DARG00000091695	ENS DARP00000109788	si:ch211-261i17.1 [Source:ZFIN;Acc:ZDB-GENE-131127-264]	si:ch211-261i17.1
ENS DARG00000070898	ENS DARP00000095221	si:ch211-262h13.3 [Source:ZFIN;Acc:ZDB-GENE-050208-532]	si:ch211-262h13.3
ENS DARG00000093353	ENS DARP00000117397	si:ch211-263m18.4 [Source:ZFIN;Acc:ZDB-GENE-030131-5341]	si:ch211-263m18.4
ENS DARG00000092714	ENS DARP00000114295	si:ch211-266a5.12 [Source:ZFIN;Acc:ZDB-GENE-081104-210]	si:ch211-266a5.12
ENS DARG00000097267	ENS DARP00000129262	si:ch211-266k8.6 [Source:ZFIN;Acc:ZDB-GENE-131121-549]	si:ch211-266k8.6
ENS DARG00000097847	ENS DARP00000127762	si:ch211-269k10.4 [Source:ZFIN;Acc:ZDB-GENE-131121-414]	si:ch211-269k10.4
ENS DARG00000090473	ENS DARP00000104972	si:ch211-269k10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-638]	si:ch211-269k10.5
ENS DARG00000097256	ENS DARP00000127887	si:ch211-270g19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-121]	si:ch211-270g19.5
ENS DARG00000095735	ENS DARP00000114899	si:ch211-271e10.1 [Source:ZFIN;Acc:ZDB-GENE-060526-145]	si:ch211-271e10.1
ENS DARG00000092667	ENS DARP00000122313	si:ch211-271e10.2 [Source:ZFIN;Acc:ZDB-GENE-060526-146]	si:ch211-271e10.2
ENS DARG00000093763	ENS DARP00000114010	si:ch211-271e10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-149]	si:ch211-271e10.6
ENS DARG00000092167	ENS DARP00000114864	si:ch211-272h9.5 [Source:ZFIN;Acc:ZDB-GENE-070705-167]	si:ch211-272h9.5

ENSDARG00000093776	ENSDARP00000113176	si:ch211-272h9.6 [Source:ZFIN;Acc:ZDB-GENE-070705-168]	si:ch211-272h9.6
ENSDARG00000097093	ENSDARP00000127878	si:ch211-273k1.5 [Source:ZFIN;Acc:ZDB-GENE-131121-559]	si:ch211-273k1.5
ENSDARG00000093862	ENSDARP00000123848	si:ch211-274k16.2 [Source:ZFIN;Acc:ZDB-GENE-110411-199]	si:ch211-274k16.2
ENSDARG00000095918	ENSDARP00000125096	si:ch211-274k16.9 [Source:ZFIN;Acc:ZDB-GENE-110408-30]	si:ch211-274k16.9
ENSDARG00000096398	ENSDARP00000125977	si:ch211-276a17.5 [Source:ZFIN;Acc:ZDB-GENE-120215-248]	si:ch211-276a17.5
ENSDARG00000096800	ENSDARP00000127131	si:ch211-277e21.1 [Source:ZFIN;Acc:ZDB-GENE-130603-84]	si:ch211-277e21.1
ENSDARG00000093992	ENSDARP00000121007	si:ch211-279g13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-222]	si:ch211-279g13.1
ENSDARG00000096571	ENSDARP00000126897	si:ch211-281p14.2 [Source:ZFIN;Acc:ZDB-GENE-121214-273]	si:ch211-281p14.2
ENSDARG00000092515	ENSDARP00000116570	si:ch211-283g2.2 [Source:ZFIN;Acc:ZDB-GENE-060526-151]	si:ch211-283g2.2
ENSDARG00000091997	ENSDARP00000119847	si:ch211-284e13.11 [Source:ZFIN;Acc:ZDB-GENE-060526-157]	si:ch211-284e13.11
ENSDARG00000094492	ENSDARP00000115320	si:ch211-284e13.12 [Source:ZFIN;Acc:ZDB-GENE-060526-158]	si:ch211-284e13.12
ENSDARG00000097952	ENSDARP00000128286	si:ch211-284e13.14 [Source:ZFIN;Acc:ZDB-GENE-131127-582]	si:ch211-284e13.14
ENSDARG00000093214	ENSDARP00000115113	si:ch211-284e13.9 [Source:ZFIN;Acc:ZDB-GENE-060526-164]	si:ch211-284e13.9
ENSDARG00000096514	ENSDARP00000127088	si:ch211-286b5.2 [Source:ZFIN;Acc:ZDB-GENE-121214-251]	si:ch211-286b5.2
ENSDARG00000095159	ENSDARP00000114427	si:ch211-286j13.1 [Source:ZFIN;Acc:ZDB-GENE-041210-164]	si:ch211-286j13.1
ENSDARG00000087906	ENSDARP00000105853	si:ch211-286k11.4 [Source:ZFIN;Acc:ZDB-GENE-131121-159]	si:ch211-286k11.4
ENSDARG00000093650	ENSDARP00000123873	si:ch211-287n14.3 [Source:ZFIN;Acc:ZDB-GENE-131120-146]	si:ch211-287n14.3
ENSDARG00000070959	ENSDARP00000095391	si:ch211-288g17.3 [Source:ZFIN;Acc:ZDB-GENE-030131-461]	si:ch211-288g17.3
ENSDARG00000070960	ENSDARP00000115754	si:ch211-288g17.4 [Source:ZFIN;Acc:ZDB-GENE-060531-62]	si:ch211-288g17.4
ENSDARG00000093376	ENSDARP00000120809	si:ch211-28e16.5 [Source:ZFIN;Acc:ZDB-GENE-090313-111]	si:ch211-28e16.5
ENSDARG00000097340	ENSDARP00000129747	si:ch211-33e4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-201]	si:ch211-33e4.2
ENSDARG00000097793	ENSDARP00000127558	si:ch211-33e4.3 [Source:ZFIN;Acc:ZDB-GENE-131127-217]	si:ch211-33e4.3
ENSDARG00000097264	ENSDARP00000129788	si:ch211-40k21.5 [Source:ZFIN;Acc:ZDB-GENE-131121-368]	si:ch211-40k21.5
ENSDARG00000094668	ENSDARP00000114748	si:ch211-51a19.5 [Source:ZFIN;Acc:ZDB-GENE-041014-366]	si:ch211-51a19.5
ENSDARG00000054914	ENSDARP00000067488	si:ch211-51e12.7 [Source:ZFIN;Acc:ZDB-GENE-030131-8279]	si:ch211-51e12.7
ENSDARG00000076539	ENSDARP00000063707	si:ch211-53m15.1 [Source:ZFIN;Acc:ZDB-GENE-100921-17]	si:ch211-53m15.1
ENSDARG00000094928	ENSDARP00000115233	si:ch211-53m15.2 [Source:ZFIN;Acc:ZDB-GENE-100922-24]	si:ch211-53m15.2
ENSDARG00000013022	ENSDARP00000076012	si:ch211-59h6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-418]	si:ch211-59h6.1
ENSDARG00000095990	ENSDARP00000125540	si:ch211-64i20.5_2 [Source:ZFIN;Acc:ZDB-GENE-110914-141]	si:ch211-64i20.5_2
ENSDARG00000095580	ENSDARP00000119232	si:ch211-67e16.11 [Source:ZFIN;Acc:ZDB-GENE-030131-7044]	si:ch211-67e16.11
ENSDARG00000069978	ENSDARP00000093072	si:ch211-67e16.2 [Source:ZFIN;Acc:ZDB-GENE-070912-309]	si:ch211-67e16.2
ENSDARG00000078193	ENSDARP00000098577	si:ch211-67e16.3 [Source:ZFIN;Acc:ZDB-GENE-070912-310]	si:ch211-67e16.3
ENSDARG00000086317	ENSDARP00000105628	si:ch211-67e16.4 [Source:ZFIN;Acc:ZDB-GENE-070912-311]	si:ch211-67e16.4
ENSDARG00000092896	ENSDARP00000113178	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000092721	ENSDARP00000122749	si:ch211-67f24.7 [Source:ZFIN;Acc:ZDB-GENE-090313-129]	si:ch211-67f24.7
ENSDARG00000095011	ENSDARP00000113662	si:ch211-67n3.9 [Source:ZFIN;Acc:ZDB-GENE-060526-179]	si:ch211-67n3.9
ENSDARG00000096491	ENSDARP00000126367	si:ch211-73m21.1 [Source:ZFIN;Acc:ZDB-GENE-120709-61]	si:ch211-73m21.1
ENSDARG00000094952	ENSDARP00000113145	si:ch211-74m13.1 [Source:ZFIN;Acc:ZDB-GENE-081104-12]	si:ch211-74m13.1
ENSDARG00000095827	ENSDARP00000124563	si:ch211-76m11.15 [Source:ZFIN;Acc:ZDB-GENE-110411-136]	si:ch211-76m11.15
ENSDARG00000095618	ENSDARP00000119711	si:ch211-76m11.7 [Source:ZFIN;Acc:ZDB-GENE-041210-279]	si:ch211-76m11.7
ENSDARG00000078522	ENSDARP00000107187	si:ch211-80h18.1 [Source:ZFIN;Acc:ZDB-GENE-070705-257]	si:ch211-80h18.1
ENSDARG00000096346	ENSDARP00000126301	si:ch211-85n16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-137]	si:ch211-85n16.3
ENSDARG00000074098	ENSDARP00000100670	si:ch211-86h15.1 [Source:ZFIN;Acc:ZDB-GENE-081107-38]	si:ch211-86h15.1
ENSDARG00000092997	ENSDARP00000118526	si:ch211-89o5.1 [Source:ZFIN;Acc:ZDB-GENE-091116-8]	si:ch211-89o5.1
ENSDARG00000054528	ENSDARP00000099406	si:ch211-93e11.8 [Source:ZFIN;Acc:ZDB-GENE-121214-283]	si:ch211-93e11.8
ENSDARG00000093602	ENSDARP00000112743	si:ch211-93g21.1 [Source:ZFIN;Acc:ZDB-GENE-060503-703]	si:ch211-93g21.1
ENSDARG00000092842	ENSDARP00000116152	si:ch211-93g21.2 [Source:ZFIN;Acc:ZDB-GENE-060503-799]	si:ch211-93g21.2
ENSDARG00000092580	ENSDARP00000118841	si:ch211-95j8.3 [Source:ZFIN;Acc:ZDB-GENE-091204-307]	si:ch211-95j8.3
ENSDARG00000095944	ENSDARP00000124130	si:ch73-103b2.1 [Source:ZFIN;Acc:ZDB-GENE-110408-42]	si:ch73-103b2.1
ENSDARG00000092489	ENSDARP00000113174	si:ch73-103b9.2 [Source:ZFIN;Acc:ZDB-GENE-070705-199]	si:ch73-103b9.2
ENSDARG00000096505	ENSDARP00000127041	si:ch73-103l1.2 [Source:ZFIN;Acc:ZDB-GENE-121214-226]	si:ch73-103l1.2
ENSDARG00000095171	ENSDARP00000120565	si:ch73-106n3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-219]	si:ch73-106n3.1
ENSDARG00000092206	ENSDARP00000114379	si:ch73-106n3.2 [Source:ZFIN;Acc:ZDB-GENE-100922-267]	si:ch73-106n3.2
ENSDARG00000052019	ENSDARP00000124906	si:ch73-109d9.1 [Source:ZFIN;Acc:ZDB-GENE-110411-256]	si:ch73-109d9.1
ENSDARG00000093126	ENSDARP00000114574	si:ch73-112l6.1 [Source:ZFIN;Acc:ZDB-GENE-091204-14]	si:ch73-112l6.1
ENSDARG00000096628	ENSDARP00000126946	si:ch73-119o17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-6407]	si:ch73-119o17.1
ENSDARG00000095655	ENSDARP00000118029	si:ch73-124g13.6 [Source:ZFIN;Acc:ZDB-GENE-100922-202]	si:ch73-124g13.6
ENSDARG00000097804	ENSDARP00000129351	si:ch73-156o22.2 [Source:ZFIN;Acc:ZDB-GENE-131127-361]	si:ch73-156o22.2
ENSDARG00000079901	ENSDARP00000121324	si:ch73-15n24.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1323]	si:ch73-15n24.1
ENSDARG00000097430	ENSDARP00000128221	si:ch73-160l8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-593]	si:ch73-160l8.2
ENSDARG00000097520	ENSDARP00000128667	si:ch73-167f10.1 [Source:ZFIN;Acc:ZDB-GENE-131121-334]	si:ch73-167f10.1
ENSDARG00000094978	ENSDARP00000121859	si:ch73-18b11.2 [Source:ZFIN;Acc:ZDB-GENE-070912-333]	si:ch73-18b11.2
ENSDARG00000094206	ENSDARP00000122367	si:ch73-191k20.3 [Source:ZFIN;Acc:ZDB-GENE-090312-62]	si:ch73-191k20.3
ENSDARG00000076865	ENSDARP00000110233	si:ch73-193c12.2 [Source:ZFIN;Acc:ZDB-GENE-131127-646]	si:ch73-193c12.2
ENSDARG00000096524	ENSDARP00000126781	si:ch73-193j22.1 [Source:ZFIN;Acc:ZDB-GENE-121214-266]	si:ch73-193j22.1
ENSDARG00000094521	ENSDARP00000119383	si:ch73-194h10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-173]	si:ch73-194h10.3
ENSDARG00000097902	ENSDARP00000128315	si:ch73-204p21.2 [Source:ZFIN;Acc:ZDB-GENE-050208-49]	si:ch73-204p21.2
ENSDARG00000052879	ENSDARP00000127662	si:ch73-207h17.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5360]	si:ch73-207h17.1
ENSDARG00000095974	ENSDARP00000124871	si:ch73-211l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-257]	si:ch73-211l13.2
ENSDARG00000097148	ENSDARP00000127951	si:ch73-21b16.1 [Source:ZFIN;Acc:ZDB-GENE-131119-55]	si:ch73-21b16.1
ENSDARG00000093156	ENSDARP00000121671	si:ch73-21g5.7 [Source:ZFIN;Acc:ZDB-GENE-081104-260]	si:ch73-21g5.7
ENSDARG00000095763	ENSDARP00000119322	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000094271	ENSDARP00000123577	si:ch73-222f22.2 [Source:ZFIN;Acc:ZDB-GENE-100921-20]	si:ch73-222f22.2
ENSDARG00000097065	ENSDARP00000128941	si:ch73-223p23.2 [Source:ZFIN;Acc:ZDB-GENE-131121-616]	si:ch73-223p23.2
ENSDARG00000095939	ENSDARP00000124684	si:ch73-226l13.2 [Source:ZFIN;Acc:ZDB-GENE-110411-18]	si:ch73-226l13.2
ENSDARG00000088283	ENSDARP00000108589	si:ch73-248e21.5 [Source:ZFIN;Acc:ZDB-GENE-120215-255]	si:ch73-248e21.5
ENSDARG00000097420	ENSDARP00000128133	si:ch73-250a16.5 [Source:ZFIN;Acc:ZDB-GENE-131121-255]	si:ch73-250a16.5
ENSDARG00000071653	ENSDARP00000122897	si:ch73-256j6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-223]	si:ch73-256j6.2
ENSDARG00000094604	ENSDARP00000113542	si:ch73-256j6.3 [Source:ZFIN;Acc:ZDB-GENE-070705-224]	si:ch73-256j6.3

ENSDARG00000093574	ENSDARP00000123134	si:ch73-256j6.4	si:ch73-256j6.4
ENSDARG00000078519	ENSDARP00000119362	si:ch73-256j6.5 [Source:ZFIN;Acc:ZDB-GENE-070705-225]	si:ch73-256j6.5
ENSDARG00000095398	ENSDARP00000117799	si:ch73-256j6.6 [Source:ZFIN;Acc:ZDB-GENE-070705-226]	si:ch73-256j6.6
ENSDARG00000095975	ENSDARP00000124825	si:ch73-261i21.2 [Source:ZFIN;Acc:ZDB-GENE-110411-164]	si:ch73-261i21.2
ENSDARG00000096305	ENSDARP00000125690	si:ch73-269m14.3 [Source:ZFIN;Acc:ZDB-GENE-120215-13]	si:ch73-269m14.3
ENSDARG00000086612	ENSDARP00000111906	si:ch73-269m14.4 [Source:ZFIN;Acc:ZDB-GENE-120215-94]	si:ch73-269m14.4
ENSDARG00000095296	ENSDARP00000112878	si:ch73-274k23.1 [Source:ZFIN;Acc:ZDB-GENE-100922-246]	si:ch73-274k23.1
ENSDARG00000085759	ENSDARP00000076129	si:ch73-27e22.1 [Source:ZFIN;Acc:ZDB-GENE-081031-107]	si:ch73-27e22.1
ENSDARG00000092266	ENSDARP00000117714	si:ch73-27e22.2 [Source:ZFIN;Acc:ZDB-GENE-070705-230]	si:ch73-27e22.2
ENSDARG00000077263	ENSDARP00000096868	si:ch73-27e22.3 [Source:ZFIN;Acc:ZDB-GENE-070705-231]	si:ch73-27e22.3
ENSDARG00000093699	ENSDARP00000117072	si:ch73-27e22.4 [Source:ZFIN;Acc:ZDB-GENE-070705-232]	si:ch73-27e22.4
ENSDARG00000093537	ENSDARP00000093537	si:ch73-27e22.6 [Source:ZFIN;Acc:ZDB-GENE-070705-234]	si:ch73-27e22.6
ENSDARG00000093345	ENSDARP00000119572	si:ch73-27e22.7 [Source:ZFIN;Acc:ZDB-GENE-070705-235]	si:ch73-27e22.7
ENSDARG00000091269	ENSDARP00000115908	si:ch73-27e22.8 [Source:ZFIN;Acc:ZDB-GENE-100917-4]	si:ch73-27e22.8
ENSDARG00000097503	ENSDARP00000127540	si:ch73-288o11.5 [Source:ZFIN;Acc:ZDB-GENE-131121-416]	si:ch73-288o11.5
ENSDARG00000096669	ENSDARP00000127089	si:ch73-301j1.1 [Source:ZFIN;Acc:ZDB-GENE-121214-288]	si:ch73-301j1.1
ENSDARG00000073787	ENSDARP00000097500	si:ch73-303b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-391]	si:ch73-303b9.1
ENSDARG00000087407	ENSDARP00000129429	si:ch73-304f21.1 [Source:ZFIN;Acc:ZDB-GENE-131121-162]	si:ch73-304f21.1
ENSDARG00000097416	ENSDARP00000129319	si:ch73-306e8.2 [Source:ZFIN;Acc:ZDB-GENE-131121-409]	si:ch73-306e8.2
ENSDARG00000095891	ENSDARP00000125011	si:ch73-309i.1 [Source:ZFIN;Acc:ZDB-GENE-110411-132]	si:ch73-309i.1
ENSDARG00000097239	ENSDARP00000128254	si:ch73-31d8.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8387]	si:ch73-31d8.2
ENSDARG00000087509	ENSDARP00000108233	si:ch73-322b17.4 [Source:ZFIN;Acc:ZDB-GENE-131121-87]	si:ch73-322b17.4
ENSDARG00000097169	ENSDARP00000129485	si:ch73-330k17.3 [Source:ZFIN;Acc:ZDB-GENE-131121-190]	si:ch73-330k17.3
ENSDARG00000096246	ENSDARP00000126232	si:ch73-338a16.3 [Source:ZFIN;Acc:ZDB-GENE-120215-227]	si:ch73-338a16.3
ENSDARG00000096791	ENSDARP00000127245	si:ch73-344o19.1 [Source:ZFIN;Acc:ZDB-GENE-081104-282]	si:ch73-344o19.1
ENSDARG00000097597	ENSDARP00000129768	si:ch73-358j7.2 [Source:ZFIN;Acc:ZDB-GENE-131125-45]	si:ch73-358j7.2
ENSDARG00000097852	ENSDARP00000128183	si:ch73-364m4.1 [Source:ZFIN;Acc:ZDB-GENE-131121-617]	si:ch73-364m4.1
ENSDARG00000097010	ENSDARP00000129025	si:ch73-364m4.2 [Source:ZFIN;Acc:ZDB-GENE-131121-588]	si:ch73-364m4.2
ENSDARG00000089414	ENSDARP00000106617	si:ch73-366l1.5 [Source:ZFIN;Acc:ZDB-GENE-131127-426]	si:ch73-366l1.5
ENSDARG00000096257	ENSDARP00000125848	si:ch73-367p23.2 [Source:ZFIN;Acc:ZDB-GENE-120215-61]	si:ch73-367p23.2
ENSDARG00000097489	ENSDARP00000129209	si:ch73-390p7.2 [Source:ZFIN;Acc:ZDB-GENE-131121-522]	si:ch73-390p7.2
ENSDARG00000077115	ENSDARP00000087973	si:ch73-44m9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-289]	si:ch73-44m9.1
ENSDARG00000040640	ENSDARP00000088047	si:ch73-44m9.3 [Source:ZFIN;Acc:ZDB-GENE-081104-290]	si:ch73-44m9.3
ENSDARG00000095184	ENSDARP00000121733	si:ch73-52p7.1 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	si:ch73-52p7.1
ENSDARG00000096031	ENSDARP00000125538	si:ch73-6k14.2 [Source:ZFIN;Acc:ZDB-GENE-110914-243]	si:ch73-6k14.2
ENSDARG00000094554	ENSDARP00000120574	si:ch73-7i4.1 [Source:ZFIN;Acc:ZDB-GENE-100921-19]	si:ch73-7i4.1
ENSDARG00000093998	ENSDARP00000119509	si:ch73-7i4.2 [Source:ZFIN;Acc:ZDB-GENE-060810-137]	si:ch73-7i4.2
ENSDARG00000093465	ENSDARP00000120818	si:ch73-7i4.3 [Source:ZFIN;Acc:ZDB-GENE-100922-62]	si:ch73-7i4.3
ENSDARG00000095463	ENSDARP00000122579	si:ch73-90k17.1 [Source:ZFIN;Acc:ZDB-GENE-090312-218]	si:ch73-90k17.1
ENSDARG00000097532	ENSDARP00000127810	si:ch73-93k15.5 [Source:ZFIN;Acc:ZDB-GENE-131121-427]	si:ch73-93k15.5
ENSDARG00000096606	ENSDARP00000126832	si:ch73-94k4.4 [Source:ZFIN;Acc:ZDB-GENE-121214-228]	si:ch73-94k4.4
ENSDARG00000092870	ENSDARP00000121361	si:dkey-100n23.4 [Source:ZFIN;Acc:ZDB-GENE-070912-346]	si:dkey-100n23.4
ENSDARG00000085537	ENSDARP00000096688	si:dkey-102c8.2 [Source:ZFIN;Acc:ZDB-GENE-050208-329]	si:dkey-102c8.2
ENSDARG00000071576	ENSDARP00000107704	si:dkey-102c8.3 [Source:ZFIN;Acc:ZDB-GENE-050208-328]	si:dkey-102c8.3
ENSDARG00000086337	ENSDARP00000118800	si:dkey-102g19.3 [Source:ZFIN;Acc:ZDB-GENE-091204-230]	si:dkey-102g19.3
ENSDARG00000095057	ENSDARP00000114368	si:dkey-103d23.3 [Source:ZFIN;Acc:ZDB-GENE-081104-522]	si:dkey-103d23.3
ENSDARG00000075996	ENSDARP00000099986	si:dkey-103d23.5 [Source:ZFIN;Acc:ZDB-GENE-110131-61]	si:dkey-103d23.5
ENSDARG00000089200	ENSDARP00000128193	si:dkey-103g5.4 [Source:ZFIN;Acc:ZDB-GENE-131127-503]	si:dkey-103g5.4
ENSDARG00000093590	ENSDARP00000121723	si:dkey-104e13.1 [Source:ZFIN;Acc:ZDB-GENE-090313-171]	si:dkey-104e13.1
ENSDARG00000093042	ENSDARP00000121958	si:dkey-104n9.1 [Source:ZFIN;Acc:ZDB-GENE-081104-300]	si:dkey-104n9.1
ENSDARG00000094994	ENSDARP00000122148	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000097251	ENSDARP00000127939	si:dkey-106c17.2 [Source:ZFIN;Acc:ZDB-GENE-060503-612]	si:dkey-106c17.2
ENSDARG00000093444	ENSDARP00000127993	si:dkey-106l3.7 [Source:ZFIN;Acc:ZDB-GENE-091204-216]	si:dkey-106l3.7
ENSDARG00000097374	ENSDARP00000127690	si:dkey-108k21.7 [Source:ZFIN;Acc:ZDB-GENE-131121-335]	si:dkey-108k21.7
ENSDARG00000079133	ENSDARP00000104147	si:dkey-10c21.1 [Source:ZFIN;Acc:ZDB-GENE-081104-302]	si:dkey-10c21.1
ENSDARG00000074628	ENSDARP00000115004	si:dkey-10o6.2 [Source:ZFIN;Acc:ZDB-GENE-070705-284]	si:dkey-10o6.2
ENSDARG00000070315	ENSDARP00000093832	si:dkey-10p5.7 [Source:ZFIN;Acc:ZDB-GENE-061207-47]	si:dkey-10p5.7
ENSDARG00000093547	ENSDARP00000113931	si:dkey-111e8.4 [Source:ZFIN;Acc:ZDB-GENE-060526-191]	si:dkey-111e8.4
ENSDARG00000093960	ENSDARP00000114887	si:dkey-111e8.5 [Source:ZFIN;Acc:ZDB-GENE-060526-192]	si:dkey-111e8.5
ENSDARG00000094811	ENSDARP00000121505	si:dkey-111i23.1 [Source:ZFIN;Acc:ZDB-GENE-070912-351]	si:dkey-111i23.1
ENSDARG00000093201	ENSDARP00000116952	si:dkey-112e17.1 [Source:ZFIN;Acc:ZDB-GENE-060526-193]	si:dkey-112e17.1
ENSDARG00000097571	ENSDARP00000127748	si:dkey-114l24.2 [Source:ZFIN;Acc:ZDB-GENE-131121-512]	si:dkey-114l24.2
ENSDARG00000093120	ENSDARP00000115667	si:dkey-117m1.4 [Source:ZFIN;Acc:ZDB-GENE-090313-177]	si:dkey-117m1.4
ENSDARG00000093135	ENSDARP00000122823	si:dkey-117n7.2 [Source:ZFIN;Acc:ZDB-GENE-060503-49]	si:dkey-117n7.2
ENSDARG00000092944	ENSDARP00000121418	si:dkey-117n7.3 [Source:ZFIN;Acc:ZDB-GENE-060503-143]	si:dkey-117n7.3
ENSDARG00000096457	ENSDARP00000126436	si:dkey-118j18.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8692]	si:dkey-118j18.2
ENSDARG00000094775	ENSDARP00000118473	si:dkey-11d20.1 [Source:ZFIN;Acc:ZDB-GENE-070705-291]	si:dkey-11d20.1
ENSDARG00000094467	ENSDARP00000114583	si:dkey-11d20.4 [Source:ZFIN;Acc:ZDB-GENE-070705-292]	si:dkey-11d20.4
ENSDARG00000095586	ENSDARP00000118354	si:dkey-11e23.9 [Source:ZFIN;Acc:ZDB-GENE-041014-301]	si:dkey-11e23.9
ENSDARG00000094542	ENSDARP00000123053	si:dkey-121h17.7 [Source:ZFIN;Acc:ZDB-GENE-091204-94]	si:dkey-121h17.7
ENSDARG00000095821	ENSDARP00000124148	si:dkey-122a22.2 [Source:ZFIN;Acc:ZDB-GENE-110411-93]	si:dkey-122a22.2
ENSDARG00000093747	ENSDARP00000112540	si:dkey-122c11.1 [Source:ZFIN;Acc:ZDB-GENE-060531-74]	si:dkey-122c11.1
ENSDARG00000097459	ENSDARP00000129524	si:dkey-125e8.3 [Source:ZFIN;Acc:ZDB-GENE-131121-373]	si:dkey-125e8.3
ENSDARG00000093702	ENSDARP00000123637	si:dkey-126j1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-9862]	si:dkey-126j1.9
ENSDARG00000094980	ENSDARP00000122373	si:dkey-12j5.1 [Source:ZFIN;Acc:ZDB-GENE-100922-71]	si:dkey-12j5.1
ENSDARG00000094422	ENSDARP00000114197	si:dkey-12l12.1 [Source:ZFIN;Acc:ZDB-GENE-091204-232]	si:dkey-12l12.1
ENSDARG00000070203	ENSDARP00000120461	si:dkey-13e3.1 [Source:ZFIN;Acc:ZDB-GENE-060503-805]	si:dkey-13e3.1
ENSDARG00000093371	ENSDARP00000123648	si:dkey-13i19.10 [Source:ZFIN;Acc:ZDB-GENE-041210-168]	si:dkey-13i19.10
ENSDARG00000090700	ENSDARP00000126601	si:dkey-13m3.2 [Source:ZFIN;Acc:ZDB-GENE-121214-42]	si:dkey-13m3.2

ENSDARG00000094417	ENSDARP00000112955	si:dkey-13n15.2 [Source:ZFIN;Acc:ZDB-GENE-060526-209]	si:dkey-13n15.2
ENSDARG00000097366	ENSDARP00000127905	si:dkey-146c18.2 [Source:ZFIN;Acc:ZDB-GENE-131118-16]	si:dkey-146c18.2
ENSDARG00000096151	ENSDARP00000125352	si:dkey-146m20.13 [Source:ZFIN;Acc:ZDB-GENE-110914-223]	si:dkey-146m20.13
ENSDARG00000096782	ENSDARP00000127411	si:dkey-148d16.5 [Source:ZFIN;Acc:ZDB-GENE-130603-77]	si:dkey-148d16.5
ENSDARG00000097493	ENSDARP00000129377	si:dkey-148h10.5 [Source:ZFIN;Acc:ZDB-GENE-131127-260]	si:dkey-148h10.5
ENSDARG00000097081	ENSDARP00000127977	si:dkey-149i17.11 [Source:ZFIN;Acc:ZDB-GENE-131120-82]	si:dkey-149i17.11
ENSDARG00000068713	ENSDARP00000090257	si:dkey-14o1.20 [Source:ZFIN;Acc:ZDB-GENE-081105-46]	si:dkey-14o1.20
ENSDARG00000077877	ENSDARP00000118940	si:dkey-14o18.1 [Source:ZFIN;Acc:ZDB-GENE-110131-3]	si:dkey-14o18.1
ENSDARG00000095934	ENSDARP00000123860	si:dkey-151m22.8 [Source:ZFIN;Acc:ZDB-GENE-110411-250]	si:dkey-151m22.8
ENSDARG00000087743	ENSDARP00000106721	si:dkey-156k2.8 [Source:ZFIN;Acc:ZDB-GENE-110914-111]	si:dkey-156k2.8
ENSDARG00000096581	ENSDARP00000126857	si:dkey-156m2.4 [Source:ZFIN;Acc:ZDB-GENE-121214-121]	si:dkey-156m2.4
ENSDARG00000096102	ENSDARP00000125328	si:dkey-157e10.8 [Source:ZFIN;Acc:ZDB-GENE-110914-202]	si:dkey-157e10.8
ENSDARG00000096258	ENSDARP00000125756	si:dkey-15f23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-199]	si:dkey-15f23.1
ENSDARG00000093675	ENSDARP00000128549	si:dkey-15h8.10 [Source:ZFIN;Acc:ZDB-GENE-050208-706]	si:dkey-15h8.10
ENSDARG00000042698	ENSDARP00000110899	si:dkey-15j16.6 [Source:ZFIN;Acc:ZDB-GENE-130531-45]	si:dkey-15j16.6
ENSDARG00000091715	ENSDARP00000104469	si:dkey-162h11.2 [Source:ZFIN;Acc:ZDB-GENE-121214-90]	si:dkey-162h11.2
ENSDARG00000088432	ENSDARP00000106389	si:dkey-162h11.3 [Source:ZFIN;Acc:ZDB-GENE-121214-324]	si:dkey-162h11.3
ENSDARG00000093080	ENSDARP00000122951	si:dkey-163f12.10 [Source:ZFIN;Acc:ZDB-GENE-081104-322]	si:dkey-163f12.10
ENSDARG00000093886	ENSDARP00000117419	si:dkey-167i21.2 [Source:ZFIN;Acc:ZDB-GENE-090313-198]	si:dkey-167i21.2
ENSDARG00000089862	ENSDARP00000111873	si:dkey-16j16.4 [Source:ZFIN;Acc:ZDB-GENE-041111-271]	si:dkey-16j16.4
ENSDARG00000097026	ENSDARP00000127805	si:dkey-16m19.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7281]	si:dkey-16m19.1
ENSDARG00000096481	ENSDARP00000126466	si:dkey-16p19.8 [Source:ZFIN;Acc:ZDB-GENE-120709-67]	si:dkey-16p19.8
ENSDARG00000096849	ENSDARP00000128018	si:dkey-16p21.8 [Source:ZFIN;Acc:ZDB-GENE-131121-428]	si:dkey-16p21.8
ENSDARG00000097331	ENSDARP00000128102	si:dkey-170g13.2 [Source:ZFIN;Acc:ZDB-GENE-131121-388]	si:dkey-170g13.2
ENSDARG00000097937	ENSDARP00000129273	si:dkey-172k15.5 [Source:ZFIN;Acc:ZDB-GENE-131127-219]	si:dkey-172k15.5
ENSDARG00000091957	ENSDARP00000117539	si:dkey-172o10.8 [Source:ZFIN;Acc:ZDB-GENE-070705-313]	si:dkey-172o10.8
ENSDARG00000097588	ENSDARP00000129332	si:dkey-175d9.1 [Source:ZFIN;Acc:ZDB-GENE-131121-277]	si:dkey-175d9.1
ENSDARG00000093941	ENSDARP00000125202	si:dkey-179k24.1 [Source:ZFIN;Acc:ZDB-GENE-110914-97]	si:dkey-179k24.1
ENSDARG00000094217	ENSDARP00000117271	si:dkey-17e16.15 [Source:ZFIN;Acc:ZDB-GENE-091204-295]	si:dkey-17e16.15
ENSDARG00000035797	ENSDARP00000051947	si:dkey-17m8.2 [Source:ZFIN;Acc:ZDB-GENE-110411-234]	si:dkey-17m8.2
ENSDARG00000052680	ENSDARP00000096865	si:dkey-182g1.2 [Source:ZFIN;Acc:ZDB-GENE-060503-619]	si:dkey-182g1.2
ENSDARG00000077907	ENSDARP00000103899	si:dkey-183p4.10 [Source:ZFIN;Acc:ZDB-GENE-081104-337]	si:dkey-183p4.10
ENSDARG00000092726	ENSDARP00000114951	si:dkey-184p9.7 [Source:ZFIN;Acc:ZDB-GENE-091204-97]	si:dkey-184p9.7
ENSDARG00000058682	ENSDARP00000076041	si:dkey-184p9.9 [Source:ZFIN;Acc:ZDB-GENE-091204-31]	si:dkey-184p9.9
ENSDARG00000091897	ENSDARP00000118759	si:dkey-187a12.4 [Source:ZFIN;Acc:ZDB-GENE-090313-205]	si:dkey-187a12.4
ENSDARG00000075151	ENSDARP00000102751	si:dkey-188i13.10 [Source:ZFIN;Acc:ZDB-GENE-090313-208]	si:dkey-188i13.10
ENSDARG00000092895	ENSDARP00000112849	si:dkey-188i13.11 [Source:ZFIN;Acc:ZDB-GENE-090313-209]	si:dkey-188i13.11
ENSDARG00000074217	ENSDARP00000100702	si:dkey-188i13.6 [Source:ZFIN;Acc:ZDB-GENE-030131-7410]	si:dkey-188i13.6
ENSDARG00000078389	ENSDARP00000101770	si:dkey-188i13.7 [Source:ZFIN;Acc:ZDB-GENE-090312-190]	si:dkey-188i13.7
ENSDARG00000074754	ENSDARP00000114992	si:dkey-188i13.9 [Source:ZFIN;Acc:ZDB-GENE-090313-211]	si:dkey-188i13.9
ENSDARG00000095188	ENSDARP00000119888	si:dkey-189h5.6 [Source:ZFIN;Acc:ZDB-GENE-060526-230]	si:dkey-189h5.6
ENSDARG00000095445	ENSDARP00000113376	si:dkey-191c17.2 [Source:ZFIN;Acc:ZDB-GENE-081104-344]	si:dkey-191c17.2
ENSDARG00000096063	ENSDARP00000125264	si:dkey-191j3.1 [Source:ZFIN;Acc:ZDB-GENE-110914-174]	si:dkey-191j3.1
ENSDARG00000095111	ENSDARP00000117941	si:dkey-192k22.2 [Source:ZFIN;Acc:ZDB-GENE-090313-219]	si:dkey-192k22.2
ENSDARG00000094791	ENSDARP00000119621	si:dkey-193n17.9 [Source:ZFIN;Acc:ZDB-GENE-070912-421]	si:dkey-193n17.9
ENSDARG00000096712	ENSDARP00000127310	si:dkey-193p11.2 [Source:ZFIN;Acc:ZDB-GENE-030131-8407]	si:dkey-193p11.2
ENSDARG00000097909	ENSDARP00000129753	si:dkey-195m11.11 [Source:ZFIN;Acc:ZDB-GENE-131127-648]	si:dkey-195m11.11
ENSDARG00000097445	ENSDARP00000128080	si:dkey-195m11.8 [Source:ZFIN;Acc:ZDB-GENE-030131-3092]	si:dkey-195m11.8
ENSDARG00000096949	ENSDARP00000128758	si:dkey-197j19.5 [Source:ZFIN;Acc:ZDB-GENE-131121-633]	si:dkey-197j19.5
ENSDARG00000076319	ENSDARP00000119439	si:dkey-199f5.3 [Source:ZFIN;Acc:ZDB-GENE-100921-83]	si:dkey-199f5.3
ENSDARG00000078368	ENSDARP00000122073	si:dkey-199f5.4 [Source:ZFIN;Acc:ZDB-GENE-100922-53]	si:dkey-199f5.4
ENSDARG00000094400	ENSDARP00000112658	si:dkey-199f5.6 [Source:ZFIN;Acc:ZDB-GENE-100922-107]	si:dkey-199f5.6
ENSDARG00000077759	ENSDARP00000118595	si:dkey-199f5.7 [Source:ZFIN;Acc:ZDB-GENE-100922-57]	si:dkey-199f5.7
ENSDARG00000096088	ENSDARP00000125521	si:dkey-199m13.9 [Source:ZFIN;Acc:ZDB-GENE-110914-204]	si:dkey-199m13.9
ENSDARG00000093852	ENSDARP00000112706	si:dkey-19a16.1 [Source:ZFIN;Acc:ZDB-GENE-050208-333]	si:dkey-19a16.1
ENSDARG00000095195	ENSDARP00000117437	si:dkey-19a16.11 [Source:ZFIN;Acc:ZDB-GENE-091204-409]	si:dkey-19a16.11
ENSDARG00000071651	ENSDARP00000096891	si:dkey-19a16.13 [Source:ZFIN;Acc:ZDB-GENE-110411-2]	si:dkey-19a16.13
ENSDARG00000071657	ENSDARP00000096896	si:dkey-19a16.4 [Source:ZFIN;Acc:ZDB-GENE-050208-652]	si:dkey-19a16.4
ENSDARG00000071656	ENSDARP00000096895	si:dkey-19a16.5 [Source:ZFIN;Acc:ZDB-GENE-050208-733]	si:dkey-19a16.5
ENSDARG00000071644	ENSDARP00000113741	si:dkey-19a16.7 [Source:ZFIN;Acc:ZDB-GENE-060503-903]	si:dkey-19a16.7
ENSDARG00000096133	ENSDARP00000125243	si:dkey-19h16.8 [Source:ZFIN;Acc:ZDB-GENE-110914-233]	si:dkey-19h16.8
ENSDARG00000094218	ENSDARP00000116180	si:dkey-1b17.1 [Source:ZFIN;Acc:ZDB-GENE-050208-688]	si:dkey-1b17.1
ENSDARG00000093559	ENSDARP00000117858	si:dkey-1b17.9 [Source:ZFIN;Acc:ZDB-GENE-050208-546]	si:dkey-1b17.9
ENSDARG00000090169	ENSDARP00000110391	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000096678	ENSDARP00000127311	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000097569	ENSDARP00000128126	si:dkey-1f1.3 [Source:ZFIN;Acc:ZDB-GENE-130531-67]	si:dkey-1f1.3
ENSDARG00000092653	ENSDARP00000121388	si:dkey-1h24.6 [Source:ZFIN;Acc:ZDB-GENE-100922-103]	si:dkey-1h24.6
ENSDARG00000096703	ENSDARP00000127148	si:dkey-1h6.8 [Source:ZFIN;Acc:ZDB-GENE-130603-8]	si:dkey-1h6.8
ENSDARG00000095294	ENSDARP00000114167	si:dkey-200i5.4 [Source:ZFIN;Acc:ZDB-GENE-091204-393]	si:dkey-200i5.4
ENSDARG00000094696	ENSDARP00000112845	si:dkey-201c13.2 [Source:ZFIN;Acc:ZDB-GENE-060526-243]	si:dkey-201c13.2
ENSDARG00000086565	ENSDARP00000111667	si:dkey-201i21.2 [Source:ZFIN;Acc:ZDB-GENE-060531-97]	si:dkey-201i21.2
ENSDARG00000095516	ENSDARP00000113276	si:dkey-204f11.13 [Source:ZFIN;Acc:ZDB-GENE-040724-169]	si:dkey-204f11.13
ENSDARG00000093274	ENSDARP00000122742	si:dkey-204f11.51 [Source:ZFIN;Acc:ZDB-GENE-040724-149]	si:dkey-204f11.51
ENSDARG00000096413	ENSDARP00000126106	si:dkey-205h23.1 [Source:ZFIN;Acc:ZDB-GENE-120215-163]	si:dkey-205h23.1
ENSDARG00000043540	ENSDARP00000092008	si:dkey-207I24.2 [Source:ZFIN;Acc:ZDB-GENE-131125-92]	si:dkey-207I24.2
ENSDARG00000097028	ENSDARP00000129518	si:dkey-207n5.1 [Source:ZFIN;Acc:ZDB-GENE-131126-31]	si:dkey-207n5.1
ENSDARG00000076972	ENSDARP00000075680	si:dkey-208k22.3 [Source:ZFIN;Acc:ZDB-GENE-070912-432]	si:dkey-208k22.3
ENSDARG00000097458	ENSDARP00000128953	si:dkey-208m12.3 [Source:ZFIN;Acc:ZDB-GENE-050208-718]	si:dkey-208m12.3
ENSDARG00000092123	ENSDARP00000112708	si:dkey-20d21.12 [Source:ZFIN;Acc:ZDB-GENE-081104-365]	si:dkey-20d21.12

ENSDARG00000075269	ENSDARP00000120409	si:dkey-20i10.7 [Source:ZFIN;Acc:ZDB-GENE-090313-232]	si:dkey-20i10.7
ENSDARG00000074668	ENSDARP00000102896	si:dkey-210i3.1 [Source:ZFIN;Acc:ZDB-GENE-090311-48]	si:dkey-210i3.1
ENSDARG00000092259	ENSDARP00000121778	si:dkey-211g8.5 [Source:ZFIN;Acc:ZDB-GENE-060503-718]	si:dkey-211g8.5
ENSDARG00000096311	ENSDARP00000125679	si:dkey-211g8.8 [Source:ZFIN;Acc:ZDB-GENE-120215-226]	si:dkey-211g8.8
ENSDARG00000096448	ENSDARP00000126392	si:dkey-211i20.4 [Source:ZFIN;Acc:ZDB-GENE-120709-19]	si:dkey-211i20.4
ENSDARG00000096475	ENSDARP00000126434	si:dkey-211i20.5 [Source:ZFIN;Acc:ZDB-GENE-120709-55]	si:dkey-211i20.5
ENSDARG00000093697	ENSDARP00000114788	si:dkey-217m5.8 [Source:ZFIN;Acc:ZDB-GENE-041014-319]	si:dkey-217m5.8
ENSDARG00000096725	ENSDARP00000127324	si:dkey-21c1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-45]	si:dkey-21c1.1
ENSDARG00000096010	ENSDARP00000125293	si:dkey-21h14.15 [Source:ZFIN;Acc:ZDB-GENE-110914-227]	si:dkey-21h14.15
ENSDARG00000094118	ENSDARP00000115540	si:dkey-21o22.2 [Source:ZFIN;Acc:ZDB-GENE-061106-4]	si:dkey-21o22.2
ENSDARG00000094693	ENSDARP00000122060	si:dkey-220k22.3 [Source:ZFIN;Acc:ZDB-GENE-060526-257]	si:dkey-220k22.3
ENSDARG00000096015	ENSDARP00000125575	si:dkey-220o21.3 [Source:ZFIN;Acc:ZDB-GENE-110914-75]	si:dkey-220o21.3
ENSDARG00000096195	ENSDARP00000125381	si:dkey-220o21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-128]	si:dkey-220o21.4
ENSDARG00000093304	ENSDARP00000113155	si:dkey-221j11.3 [Source:ZFIN;Acc:ZDB-GENE-090313-247]	si:dkey-221j11.3
ENSDARG00000097934	ENSDARP00000128233	si:dkey-221l4.10 [Source:ZFIN;Acc:ZDB-GENE-131121-493]	si:dkey-221l4.10
ENSDARG00000071667	ENSDARP00000096913	si:dkey-222f2.7 [Source:ZFIN;Acc:ZDB-GENE-050208-727]	si:dkey-222f2.7
ENSDARG00000094083	ENSDARP00000129038	si:dkey-223d7.6 [Source:ZFIN;Acc:ZDB-GENE-070912-450]	si:dkey-223d7.6
ENSDARG00000094048	ENSDARP00000119389	si:dkey-224b4.5 [Source:ZFIN;Acc:ZDB-GENE-091204-358]	si:dkey-224b4.5
ENSDARG00000097012	ENSDARP00000129688	si:dkey-225f23.5 [Source:ZFIN;Acc:ZDB-GENE-131121-130]	si:dkey-225f23.5
ENSDARG00000092045	ENSDARP00000118095	si:dkey-225k4.1 [Source:ZFIN;Acc:ZDB-GENE-091204-219]	si:dkey-225k4.1
ENSDARG00000093255	ENSDARP00000120655	si:dkey-229d11.3 [Source:ZFIN;Acc:ZDB-GENE-091117-40]	si:dkey-229d11.3
ENSDARG00000094392	ENSDARP00000113994	si:dkey-229d11.5 [Source:ZFIN;Acc:ZDB-GENE-030131-5342]	si:dkey-229d11.5
ENSDARG00000092460	ENSDARP00000121580	si:dkey-229d2.7 [Source:ZFIN;Acc:ZDB-GENE-060526-265]	si:dkey-229d2.7
ENSDARG00000097217	ENSDARP00000128179	si:dkey-229e3.2 [Source:ZFIN;Acc:ZDB-GENE-131121-296]	si:dkey-229e3.2
ENSDARG00000092730	ENSDARP00000123446	si:dkey-22i16.3 [Source:ZFIN;Acc:ZDB-GENE-071005-4]	si:dkey-22i16.3
ENSDARG00000094910	ENSDARP00000114786	si:dkey-22i16.7 [Source:ZFIN;Acc:ZDB-GENE-090313-259]	si:dkey-22i16.7
ENSDARG00000095949	ENSDARP00000124748	si:dkey-22i16.9 [Source:ZFIN;Acc:ZDB-GENE-090313-261]	si:dkey-22i16.9
ENSDARG00000096743	ENSDARP00000127212	si:dkey-22i1.1 [Source:ZFIN;Acc:ZDB-GENE-130603-74]	si:dkey-22i1.1
ENSDARG00000092275	ENSDARP00000120088	si:dkey-234d14.2 [Source:ZFIN;Acc:ZDB-GENE-100922-134]	si:dkey-234d14.2
ENSDARG00000097652	ENSDARP00000128151	si:dkey-234i14.2 [Source:ZFIN;Acc:ZDB-GENE-131127-595]	si:dkey-234i14.2
ENSDARG00000097790	ENSDARP00000129670	si:dkey-234i14.6 [Source:ZFIN;Acc:ZDB-GENE-131121-173]	si:dkey-234i14.6
ENSDARG00000092409	ENSDARP00000118862	si:dkey-234i24.7 [Source:ZFIN;Acc:ZDB-GENE-050420-90]	si:dkey-234i24.7
ENSDARG00000093588	ENSDARP00000120372	si:dkey-234i24.8 [Source:ZFIN;Acc:ZDB-GENE-050420-23]	si:dkey-234i24.8
ENSDARG00000094056	ENSDARP00000114254	si:dkey-235d18.6 [Source:ZFIN;Acc:ZDB-GENE-041014-226]	si:dkey-235d18.6
ENSDARG00000094303	ENSDARP00000120364	si:dkey-237j11.3 [Source:ZFIN;Acc:ZDB-GENE-100922-239]	si:dkey-237j11.3
ENSDARG00000096937	ENSDARP00000092066	si:dkey-238c7.16 [Source:ZFIN;Acc:ZDB-GENE-030131-4169]	si:dkey-238c7.16
ENSDARG00000096965	ENSDARP00000129136	si:dkey-238d18.13 [Source:ZFIN;Acc:ZDB-GENE-131120-191]	si:dkey-238d18.13
ENSDARG00000097584	ENSDARP00000129363	si:dkey-238d18.6 [Source:ZFIN;Acc:ZDB-GENE-131127-73]	si:dkey-238d18.6
ENSDARG00000093248	ENSDARP00000122249	si:dkey-238m4.4 [Source:ZFIN;Acc:ZDB-GENE-100922-215]	si:dkey-238m4.4
ENSDARG00000095458	ENSDARP00000114156	si:dkey-240h12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-405]	si:dkey-240h12.3
ENSDARG00000092168	ENSDARP00000121673	si:dkey-241f21.4 [Source:ZFIN;Acc:ZDB-GENE-110914-107]	si:dkey-241f21.4
ENSDARG00000096189	ENSDARP00000091267	si:dkey-242h9.3 [Source:ZFIN;Acc:ZDB-GENE-060503-347]	si:dkey-242h9.3
ENSDARG00000092535	ENSDARP00000113412	si:dkey-242h9.5 [Source:ZFIN;Acc:ZDB-GENE-060503-535]	si:dkey-242h9.5
ENSDARG00000097510	ENSDARP00000128392	si:dkey-245f22.3 [Source:ZFIN;Acc:ZDB-GENE-131126-30]	si:dkey-245f22.3
ENSDARG00000094533	ENSDARP00000112827	si:dkey-246e1.3 [Source:ZFIN;Acc:ZDB-GENE-070705-416]	si:dkey-246e1.3
ENSDARG00000095559	ENSDARP00000117846	si:dkey-246j7.1 [Source:ZFIN;Acc:ZDB-GENE-050419-230]	si:dkey-246j7.1
ENSDARG00000097959	ENSDARP00000128293	si:dkey-248g15.3 [Source:ZFIN;Acc:ZDB-GENE-131127-95]	si:dkey-248g15.3
ENSDARG00000095783	ENSDARP00000124786	si:dkey-249d8.1 [Source:ZFIN;Acc:ZDB-GENE-110411-157]	si:dkey-249d8.1
ENSDARG00000096663	ENSDARP00000126629	si:dkey-249p7.4 [Source:ZFIN;Acc:ZDB-GENE-121214-270]	si:dkey-249p7.4
ENSDARG00000092427	ENSDARP00000129738	si:dkey-24c2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-474]	si:dkey-24c2.7
ENSDARG00000094556	ENSDARP00000116289	si:dkey-24h22.5 [Source:ZFIN;Acc:ZDB-GENE-090313-274]	si:dkey-24h22.5
ENSDARG00000097612	ENSDARP00000121380	si:dkey-24i11.3 [Source:ZFIN;Acc:ZDB-GENE-050419-162]	si:dkey-24i11.3
ENSDARG00000097126	ENSDARP00000104217	si:dkey-250i3.3 [Source:ZFIN;Acc:ZDB-GENE-110131-5]	si:dkey-250i3.3
ENSDARG00000092169	ENSDARP00000123290	si:dkey-250k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-254]	si:dkey-250k15.4
ENSDARG00000097962	ENSDARP00000109759	si:dkey-253d23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-730]	si:dkey-253d23.4
ENSDARG00000092600	ENSDARP00000120992	si:dkey-256e7.5 [Source:ZFIN;Acc:ZDB-GENE-090313-282]	si:dkey-256e7.5
ENSDARG00000092022	ENSDARP00000121173	si:dkey-256e7.8 [Source:ZFIN;Acc:ZDB-GENE-090313-283]	si:dkey-256e7.8
ENSDARG00000021849	ENSDARP00000033960	si:dkey-256h2.1 [Source:ZFIN;Acc:ZDB-GENE-030131-9466]	si:dkey-256h2.1
ENSDARG00000096084	ENSDARP00000125203	si:dkey-256i11.6 [Source:ZFIN;Acc:ZDB-GENE-110914-215]	si:dkey-256i11.6
ENSDARG00000094874	ENSDARP00000115730	si:dkey-258f14.2 [Source:ZFIN;Acc:ZDB-GENE-081104-395]	si:dkey-258f14.2
ENSDARG00000093822	ENSDARP00000120907	si:dkey-259j3.5 [Source:ZFIN;Acc:ZDB-GENE-091204-113]	si:dkey-259j3.5
ENSDARG00000096005	ENSDARP00000125346	si:dkey-25i10.6 [Source:ZFIN;Acc:ZDB-GENE-110914-189]	si:dkey-25i10.6
ENSDARG00000092283	ENSDARP00000115786	si:dkey-25o1.2 [Source:ZFIN;Acc:ZDB-GENE-091204-33]	si:dkey-25o1.2
ENSDARG00000078205	ENSDARP00000098604	si:dkey-25o1.3 [Source:ZFIN;Acc:ZDB-GENE-091204-99]	si:dkey-25o1.3
ENSDARG00000093098	ENSDARP00000121266	si:dkey-25o1.4 [Source:ZFIN;Acc:ZDB-GENE-111012-6]	si:dkey-25o1.4
ENSDARG00000094002	ENSDARP00000117348	si:dkey-25o1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-344]	si:dkey-25o1.5
ENSDARG00000093608	ENSDARP00000116086	si:dkey-25o1.6 [Source:ZFIN;Acc:ZDB-GENE-091204-276]	si:dkey-25o1.6
ENSDARG00000093570	ENSDARP00000121438	si:dkey-25o1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-375]	si:dkey-25o1.7
ENSDARG00000032993	ENSDARP00000041769	si:dkey-25o1.9 [Source:ZFIN;Acc:ZDB-GENE-130603-64]	si:dkey-25o1.9
ENSDARG00000096667	ENSDARP00000126742	si:dkey-25o16.2 [Source:ZFIN;Acc:ZDB-GENE-121214-307]	si:dkey-25o16.2
ENSDARG00000096233	ENSDARP00000125899	si:dkey-260c8.6 [Source:ZFIN;Acc:ZDB-GENE-120215-121]	si:dkey-260c8.6
ENSDARG00000094366	ENSDARP00000117346	si:dkey-260g12.1 [Source:ZFIN;Acc:ZDB-GENE-100922-284]	si:dkey-260g12.1
ENSDARG00000095268	ENSDARP00000115242	si:dkey-261h17.1 [Source:ZFIN;Acc:ZDB-GENE-030829-14]	si:dkey-261h17.1
ENSDARG00000098024	ENSDARP00000129093	si:dkey-262k9.2 [Source:ZFIN;Acc:ZDB-GENE-131121-282]	si:dkey-262k9.2
ENSDARG00000097480	ENSDARP00000127925	si:dkey-263j23.1 [Source:ZFIN;Acc:ZDB-GENE-131120-109]	si:dkey-263j23.1
ENSDARG00000096148	ENSDARP00000125343	si:dkey-264f17.3 [Source:ZFIN;Acc:ZDB-GENE-110914-180]	si:dkey-264f17.3
ENSDARG00000092728	ENSDARP00000122826	si:dkey-266f7.4 [Source:ZFIN;Acc:ZDB-GENE-070705-436]	si:dkey-266f7.4
ENSDARG00000093117	ENSDARP00000127986	si:dkey-266m15.7 [Source:ZFIN;Acc:ZDB-GENE-070705-444]	si:dkey-266m15.7
ENSDARG00000094685	ENSDARP00000114653	si:dkey-267j14.7 [Source:ZFIN;Acc:ZDB-GENE-081104-401]	si:dkey-267j14.7

ENSDARG00000096437	ENSDARP00000126340	si:dkey-26h11.1 [Source:ZFIN;Acc:ZDB-GENE-120709-74]	si:dkey-26h11.1
ENSDARG00000096458	ENSDARP00000126518	si:dkey-26h11.2 [Source:ZFIN;Acc:ZDB-GENE-120709-94]	si:dkey-26h11.2
ENSDARG00000095331	ENSDARP00000120942	si:dkey-26m3.1 [Source:ZFIN;Acc:ZDB-GENE-060526-281]	si:dkey-26m3.1
ENSDARG00000095053	ENSDARP00000117731	si:dkey-26m3.2 [Source:ZFIN;Acc:ZDB-GENE-061009-42]	si:dkey-26m3.2
ENSDARG00000097405	ENSDARP00000129575	si:dkey-273g18.1 [Source:ZFIN;Acc:ZDB-GENE-060503-256]	si:dkey-273g18.1
ENSDARG00000094879	ENSDARP00000120331	si:dkey-277m11.2 [Source:ZFIN;Acc:ZDB-GENE-060526-285]	si:dkey-277m11.2
ENSDARG00000093621	ENSDARP00000118008	si:dkey-27b3.4 [Source:ZFIN;Acc:ZDB-GENE-091204-131]	si:dkey-27b3.4
ENSDARG00000094485	ENSDARP00000116761	si:dkey-27h10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-296]	si:dkey-27h10.2
ENSDARG00000096509	ENSDARP00000126842	si:dkey-27j5.9 [Source:ZFIN;Acc:ZDB-GENE-121214-296]	si:dkey-27j5.9
ENSDARG00000097115	ENSDARP00000129454	si:dkey-27i15.1 [Source:ZFIN;Acc:ZDB-GENE-131121-472]	si:dkey-27i15.1
ENSDARG00000092228	ENSDARP00000114575	si:dkey-27p18.3 [Source:ZFIN;Acc:ZDB-GENE-060526-287]	si:dkey-27p18.3
ENSDARG00000094418	ENSDARP00000122027	si:dkey-27p18.7 [Source:ZFIN;Acc:ZDB-GENE-070424-236]	si:dkey-27p18.7
ENSDARG00000096426	ENSDARP00000126198	si:dkey-283b1.6 [Source:ZFIN;Acc:ZDB-GENE-120215-112]	si:dkey-283b1.6
ENSDARG00000095638	ENSDARP00000113914	si:dkey-284p5.3 [Source:ZFIN;Acc:ZDB-GENE-060503-352]	si:dkey-284p5.3
ENSDARG00000095502	ENSDARP00000112645	si:dkey-286h21.1 [Source:ZFIN;Acc:ZDB-GENE-091116-5]	si:dkey-286h21.1
ENSDARG00000040864	ENSDARP00000059898	si:dkey-286j15.1 [Source:ZFIN;Acc:ZDB-GENE-060503-447]	si:dkey-286j15.1
ENSDARG00000096808	ENSDARP00000127312	si:dkey-287g12.6 [Source:ZFIN;Acc:ZDB-GENE-130603-36]	si:dkey-287g12.6
ENSDARG00000097655	ENSDARP00000127902	si:dkey-30e9.6 [Source:ZFIN;Acc:ZDB-GENE-131121-308]	si:dkey-30e9.6
ENSDARG00000093186	ENSDARP00000121133	si:dkey-30j10.5 [Source:ZFIN;Acc:ZDB-GENE-091118-81]	si:dkey-30j10.5
ENSDARG00000097898	ENSDARP00000129815	si:dkey-31g6.4 [Source:ZFIN;Acc:ZDB-GENE-131127-517]	si:dkey-31g6.4
ENSDARG00000093362	ENSDARP00000119795	si:dkey-31m5.2 [Source:ZFIN;Acc:ZDB-GENE-070912-514]	si:dkey-31m5.2
ENSDARG00000092041	ENSDARP00000115958	si:dkey-31m5.4 [Source:ZFIN;Acc:ZDB-GENE-070912-516]	si:dkey-31m5.4
ENSDARG00000095310	ENSDARP00000113549	si:dkey-31m5.6 [Source:ZFIN;Acc:ZDB-GENE-070912-518]	si:dkey-31m5.6
ENSDARG00000097391	ENSDARP00000127869	si:dkey-33c14.7 [Source:ZFIN;Acc:ZDB-GENE-131127-528]	si:dkey-33c14.7
ENSDARG00000092868	ENSDARP00000122285	si:dkey-33i11.1 [Source:ZFIN;Acc:ZDB-GENE-030131-4630]	si:dkey-33i11.1
ENSDARG00000054952	ENSDARP00000071700	si:dkey-34o23.2 [Source:ZFIN;Acc:ZDB-GENE-050809-71]	si:dkey-34o23.2
ENSDARG00000088080	ENSDARP00000125938	si:dkey-34o23.3 [Source:ZFIN;Acc:ZDB-GENE-120214-13]	si:dkey-34o23.3
ENSDARG00000096938	ENSDARP00000127923	si:dkey-36i7.3 [Source:ZFIN;Acc:ZDB-GENE-131127-316]	si:dkey-36i7.3
ENSDARG00000093333	ENSDARP00000112839	si:dkey-38n4.2 [Source:ZFIN;Acc:ZDB-GENE-071005-3]	si:dkey-38n4.2
ENSDARG00000045669	ENSDARP00000067150	si:dkey-39a18.1 [Source:ZFIN;Acc:ZDB-GENE-041210-127]	si:dkey-39a18.1
ENSDARG00000096239	ENSDARP00000125903	si:dkey-3d18.5 [Source:ZFIN;Acc:ZDB-GENE-120215-143]	si:dkey-3d18.5
ENSDARG00000092274	ENSDARP00000121230	si:dkey-3k20.1 [Source:ZFIN;Acc:ZDB-GENE-050208-745]	si:dkey-3k20.1
ENSDARG00000094273	ENSDARP00000113337	si:dkey-3k20.4 [Source:ZFIN;Acc:ZDB-GENE-050208-506]	si:dkey-3k20.4
ENSDARG00000097592	ENSDARP00000129080	si:dkey-40c23.1 [Source:ZFIN;Acc:ZDB-GENE-131119-61]	si:dkey-40c23.1
ENSDARG00000092180	ENSDARP00000115053	si:dkey-40m6.11 [Source:ZFIN;Acc:ZDB-GENE-100921-31]	si:dkey-40m6.11
ENSDARG00000095854	ENSDARP00000123975	si:dkey-42i9.16 [Source:ZFIN;Acc:ZDB-GENE-110411-212]	si:dkey-42i9.16
ENSDARG00000096335	ENSDARP00000125841	si:dkey-43k4.4 [Source:ZFIN;Acc:ZDB-GENE-120215-111]	si:dkey-43k4.4
ENSDARG00000096421	ENSDARP00000125667	si:dkey-45d16.4 [Source:ZFIN;Acc:ZDB-GENE-120215-176]	si:dkey-45d16.4
ENSDARG00000093618	ENSDARP00000116094	si:dkey-45h7.1 [Source:ZFIN;Acc:ZDB-GENE-050420-369]	si:dkey-45h7.1
ENSDARG00000093121	ENSDARP00000112869	si:dkey-46m10.3 [Source:ZFIN;Acc:ZDB-GENE-100922-185]	si:dkey-46m10.3
ENSDARG00000094035	ENSDARP00000113817	si:dkey-49n23.2 [Source:ZFIN;Acc:ZDB-GENE-081031-26]	si:dkey-49n23.2
ENSDARG00000095325	ENSDARP00000121338	si:dkey-49n23.3 [Source:ZFIN;Acc:ZDB-GENE-050208-799]	si:dkey-49n23.3
ENSDARG00000097477	ENSDARP00000129466	si:dkey-4c2.11 [Source:ZFIN;Acc:ZDB-GENE-131127-372]	si:dkey-4c2.11
ENSDARG00000095073	ENSDARP00000117177	si:dkey-4c23.4 [Source:ZFIN;Acc:ZDB-GENE-050208-749]	si:dkey-4c23.4
ENSDARG00000092137	ENSDARP00000120944	si:dkey-4i23.5 [Source:ZFIN;Acc:ZDB-GENE-070912-543]	si:dkey-4i23.5
ENSDARG00000096658	ENSDARP00000126715	si:dkey-4p15.4 [Source:ZFIN;Acc:ZDB-GENE-121214-305]	si:dkey-4p15.4
ENSDARG00000096217	ENSDARP00000125411	si:dkey-51d8.9 [Source:ZFIN;Acc:ZDB-GENE-110914-66]	si:dkey-51d8.9
ENSDARG00000075092	ENSDARP00000098309	si:dkey-52i18.4 [Source:ZFIN;Acc:ZDB-GENE-080303-19]	si:dkey-52i18.4
ENSDARG00000093724	ENSDARP00000119644	si:dkey-54g2.2 [Source:ZFIN;Acc:ZDB-GENE-041014-140]	si:dkey-54g2.2
ENSDARG00000092551	ENSDARP00000112977	si:dkey-56e3.2 [Source:ZFIN;Acc:ZDB-GENE-090313-316]	si:dkey-56e3.2
ENSDARG00000097110	ENSDARP00000129870	si:dkey-56f14.4 [Source:ZFIN;Acc:ZDB-GENE-131121-272]	si:dkey-56f14.4
ENSDARG00000096136	ENSDARP00000125372	si:dkey-56m15.7 [Source:ZFIN;Acc:ZDB-GENE-110914-162]	si:dkey-56m15.7
ENSDARG00000092651	ENSDARP00000117553	si:dkey-57a22.11 [Source:ZFIN;Acc:ZDB-GENE-081104-423]	si:dkey-57a22.11
ENSDARG00000093846	ENSDARP00000121833	si:dkey-57c22.1 [Source:ZFIN;Acc:ZDB-GENE-110914-164]	si:dkey-57c22.1
ENSDARG00000095608	ENSDARP00000122732	si:dkey-57k2.6 [Source:ZFIN;Acc:ZDB-GENE-070912-558]	si:dkey-57k2.6
ENSDARG00000095191	ENSDARP00000113470	si:dkey-57k2.7 [Source:ZFIN;Acc:ZDB-GENE-070912-559]	si:dkey-57k2.7
ENSDARG00000092773	ENSDARP00000119841	si:dkey-58b18.2 [Source:ZFIN;Acc:ZDB-GENE-070912-562]	si:dkey-58b18.2
ENSDARG00000093076	ENSDARP00000120271	si:dkey-58b18.5 [Source:ZFIN;Acc:ZDB-GENE-070912-565]	si:dkey-58b18.5
ENSDARG00000095761	ENSDARP00000122660	si:dkey-58b18.8 [Source:ZFIN;Acc:ZDB-GENE-070912-568]	si:dkey-58b18.8
ENSDARG00000094284	ENSDARP00000122993	si:dkey-58f10.10 [Source:ZFIN;Acc:ZDB-GENE-060526-312]	si:dkey-58f10.10
ENSDARG00000094935	ENSDARP00000116305	si:dkey-58f10.11 [Source:ZFIN;Acc:ZDB-GENE-060526-313]	si:dkey-58f10.11
ENSDARG00000092680	ENSDARP00000114280	si:dkey-58f10.12 [Source:ZFIN;Acc:ZDB-GENE-060526-314]	si:dkey-58f10.12
ENSDARG00000095532	ENSDARP00000115855	si:dkey-58f10.13 [Source:ZFIN;Acc:ZDB-GENE-060526-315]	si:dkey-58f10.13
ENSDARG00000095026	ENSDARP00000118720	si:dkey-58f10.14 [Source:ZFIN;Acc:ZDB-GENE-060526-316]	si:dkey-58f10.14
ENSDARG00000094820	ENSDARP00000114389	si:dkey-58f10.4 [Source:ZFIN;Acc:ZDB-GENE-060526-318]	si:dkey-58f10.4
ENSDARG00000094489	ENSDARP00000120147	si:dkey-58f10.6 [Source:ZFIN;Acc:ZDB-GENE-060526-320]	si:dkey-58f10.6
ENSDARG00000091972	ENSDARP00000112844	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSDARG00000093350	ENSDARP00000122623	si:dkey-58f10.7 [Source:ZFIN;Acc:ZDB-GENE-060526-321]	si:dkey-58f10.7
ENSDARG00000096515	ENSDARP00000126836	si:dkey-58j15.10 [Source:ZFIN;Acc:ZDB-GENE-100922-196]	si:dkey-58j15.10
ENSDARG00000096506	ENSDARP00000126691	si:dkey-58j15.11 [Source:ZFIN;Acc:ZDB-GENE-100922-27]	si:dkey-58j15.11
ENSDARG00000092304	ENSDARP00000118255	si:dkey-59i11.7 [Source:ZFIN;Acc:ZDB-GENE-060503-643]	si:dkey-59i11.7
ENSDARG00000094528	ENSDARP00000117624	si:dkey-61m24.1 [Source:ZFIN;Acc:ZDB-GENE-040724-47]	si:dkey-61m24.1
ENSDARG00000068865	ENSDARP00000090517	si:dkey-61p9.7 [Source:ZFIN;Acc:ZDB-GENE-041210-241]	si:dkey-61p9.7
ENSDARG00000075480	ENSDARP00000123308	si:dkey-63d15.12 [Source:ZFIN;Acc:ZDB-GENE-080303-18]	si:dkey-63d15.12
ENSDARG00000092311	ENSDARP00000116414	si:dkey-65b12.10 [Source:ZFIN;Acc:ZDB-GENE-060526-324]	si:dkey-65b12.10
ENSDARG00000094458	ENSDARP00000119745	si:dkey-65b12.12 [Source:ZFIN;Acc:ZDB-GENE-060526-325]	si:dkey-65b12.12
ENSDARG00000095565	ENSDARP00000117103	si:dkey-65b13.1 [Source:ZFIN;Acc:ZDB-GENE-041001-216]	si:dkey-65b13.1
ENSDARG00000093234	ENSDARP00000116561	si:dkey-65i23.2 [Source:ZFIN;Acc:ZDB-GENE-091112-12]	si:dkey-65i23.2
ENSDARG00000092845	ENSDARP00000117574	si:dkey-66g10.2 [Source:ZFIN;Acc:ZDB-GENE-090313-321]	si:dkey-66g10.2

ENSDARG00000096714	ENSDARP00000127368	si:dkey-66i24.7 [Source:ZFIN;Acc:ZDB-GENE-130603-106]	si:dkey-66i24.7
ENSDARG00000092926	ENSDARP00000120062	si:dkey-66k12.3 [Source:ZFIN;Acc:ZDB-GENE-060503-927]	si:dkey-66k12.3
ENSDARG00000097360	ENSDARP00000128714	si:dkey-66l17.4 [Source:ZFIN;Acc:ZDB-GENE-131125-65]	si:dkey-66l17.4
ENSDARG00000055389	ENSDARP00000072206	si:dkey-67c22.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5845]	si:dkey-67c22.2
ENSDARG00000093426	ENSDARP00000121229	si:dkey-69c1.1 [Source:ZFIN;Acc:ZDB-GENE-040724-48]	si:dkey-69c1.1
ENSDARG00000094001	ENSDARP00000115231	si:dkey-6a5.3 [Source:ZFIN;Acc:ZDB-GENE-041210-128]	si:dkey-6a5.3
ENSDARG00000097496	ENSDARP00000127566	si:dkey-6e2.2 [Source:ZFIN;Acc:ZDB-GENE-131121-72]	si:dkey-6e2.2
ENSDARG00000093660	ENSDARP00000117679	si:dkey-6f10.3 [Source:ZFIN;Acc:ZDB-GENE-041210-339]	si:dkey-6f10.3
ENSDARG00000092390	ENSDARP00000120910	si:dkey-6f10.4 [Source:ZFIN;Acc:ZDB-GENE-041210-340]	si:dkey-6f10.4
ENSDARG00000058032	ENSDARP00000075278	si:dkey-6n6.2 [Source:ZFIN;Acc:ZDB-GENE-060503-173]	si:dkey-6n6.2
ENSDARG00000092039	ENSDARP00000119877	si:dkey-70p6.1 [Source:ZFIN;Acc:ZDB-GENE-040724-140]	si:dkey-70p6.1
ENSDARG00000097846	ENSDARP00000129144	si:dkey-74h17.3 [Source:ZFIN;Acc:ZDB-GENE-131127-415]	si:dkey-74h17.3
ENSDARG00000093188	ENSDARP00000117321	si:dkey-75a21.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6823]	si:dkey-75a21.2
ENSDARG00000094399	ENSDARP00000117342	si:dkey-78k11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-740]	si:dkey-78k11.4
ENSDARG00000096096	ENSDARP00000125396	si:dkey-78k22.2 [Source:ZFIN;Acc:ZDB-GENE-110914-149]	si:dkey-78k22.2
ENSDARG00000096482	ENSDARP00000126413	si:dkey-78o7.3 [Source:ZFIN;Acc:ZDB-GENE-120709-79]	si:dkey-78o7.3
ENSDARG00000093179	ENSDARP00000112518	si:dkey-79c1.1 [Source:ZFIN;Acc:ZDB-GENE-060531-153]	si:dkey-79c1.1
ENSDARG00000097225	ENSDARP00000128668	si:dkey-79d12.6 [Source:ZFIN;Acc:ZDB-GENE-131127-253]	si:dkey-79d12.6
ENSDARG00000041433	ENSDARP00000060743	si:dkey-7c18.24 [Source:ZFIN;Acc:ZDB-GENE-041014-63]	si:dkey-7c18.24
ENSDARG00000097172	ENSDARP00000128156	si:dkey-7i4.12 [Source:ZFIN;Acc:ZDB-GENE-131121-39]	si:dkey-7i4.12
ENSDARG00000097551	ENSDARP00000128206	si:dkey-7i4.15 [Source:ZFIN;Acc:ZDB-GENE-131127-129]	si:dkey-7i4.15
ENSDARG00000097125	ENSDARP00000128922	si:dkey-7i4.23 [Source:ZFIN;Acc:ZDB-GENE-131121-434]	si:dkey-7i4.23
ENSDARG00000096906	ENSDARP00000127909	si:dkey-7i4.24 [Source:ZFIN;Acc:ZDB-GENE-030131-1157]	si:dkey-7i4.24
ENSDARG00000097528	ENSDARP00000128310	si:dkey-7j14.5 [Source:ZFIN;Acc:ZDB-GENE-030131-8110]	si:dkey-7j14.5
ENSDARG00000094602	ENSDARP00000113129	si:dkey-7n6.2 [Source:ZFIN;Acc:ZDB-GENE-091204-262]	si:dkey-7n6.2
ENSDARG00000093579	ENSDARP00000117997	si:dkey-80c24.4 [Source:ZFIN;Acc:ZDB-GENE-061207-72]	si:dkey-80c24.4
ENSDARG00000097406	ENSDARP00000129440	si:dkey-81e3.2 [Source:ZFIN;Acc:ZDB-GENE-131119-24]	si:dkey-81e3.2
ENSDARG00000094074	ENSDARP00000118587	si:dkey-81h8.1 [Source:ZFIN;Acc:ZDB-GENE-060503-931]	si:dkey-81h8.1
ENSDARG00000097303	ENSDARP00000128853	si:dkey-83h2.4 [Source:ZFIN;Acc:ZDB-GENE-131127-274]	si:dkey-83h2.4
ENSDARG00000096188	ENSDARP00000125510	si:dkey-84h14.3 [Source:ZFIN;Acc:ZDB-GENE-110914-228]	si:dkey-84h14.3
ENSDARG00000095047	ENSDARP00000121197	si:dkey-85k15.4 [Source:ZFIN;Acc:ZDB-GENE-100922-242]	si:dkey-85k15.4
ENSDARG00000094385	ENSDARP00000112862	si:dkey-85k15.6 [Source:ZFIN;Acc:ZDB-GENE-100922-216]	si:dkey-85k15.6
ENSDARG00000094759	ENSDARP00000123537	si:dkey-85k15.7 [Source:ZFIN;Acc:ZDB-GENE-100921-85]	si:dkey-85k15.7
ENSDARG00000095793	ENSDARP00000124247	si:dkey-85n7.8 [Source:ZFIN;Acc:ZDB-GENE-110411-127]	si:dkey-85n7.8
ENSDARG00000043536	ENSDARP00000063916	si:dkey-86e18.1 [Source:ZFIN;Acc:ZDB-GENE-041014-18]	si:dkey-86e18.1
ENSDARG00000095796	ENSDARP00000124470	si:dkey-87o1.2 [Source:ZFIN;Acc:ZDB-GENE-110411-217]	si:dkey-87o1.2
ENSDARG00000094850	ENSDARP00000115581	si:dkey-88l16.5 [Source:ZFIN;Acc:ZDB-GENE-091204-332]	si:dkey-88l16.5
ENSDARG00000043735	ENSDARP00000064220	si:dkey-88n24.5 [Source:ZFIN;Acc:ZDB-GENE-041014-85]	si:dkey-88n24.5
ENSDARG00000093382	ENSDARP00000121818	si:dkey-88p24.9 [Source:ZFIN;Acc:ZDB-GENE-030131-8451]	si:dkey-88p24.9
ENSDARG00000094594	ENSDARP00000122530	si:dkey-8k3.1 [Source:ZFIN;Acc:ZDB-GENE-100922-112]	si:dkey-8k3.1
ENSDARG00000093612	ENSDARP00000114776	si:dkey-92i17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-6759]	si:dkey-92i17.2
ENSDARG00000093173	ENSDARP00000128220	si:dkey-93m18.6 [Source:ZFIN;Acc:ZDB-GENE-091204-133]	si:dkey-93m18.6
ENSDARG00000088513	ENSDARP00000105040	si:dkey-95o3.4 [Source:ZFIN;Acc:ZDB-GENE-121214-300]	si:dkey-95o3.4
ENSDARG00000092452	ENSDARP00000123154	si:dkey-95p16.1 [Source:ZFIN;Acc:ZDB-GENE-081104-443]	si:dkey-95p16.1
ENSDARG00000097725	ENSDARP00000129411	si:dkey-96g2.1 [Source:ZFIN;Acc:ZDB-GENE-131121-563]	si:dkey-96g2.1
ENSDARG00000095649	ENSDARP00000117720	si:dkey-97a13.12 [Source:ZFIN;Acc:ZDB-GENE-070912-614]	si:dkey-97a13.12
ENSDARG00000094005	ENSDARP00000121263	si:dkey-98j1.5 [Source:ZFIN;Acc:ZDB-GENE-090313-358]	si:dkey-98j1.5
ENSDARG00000094133	ENSDARP00000123613	si:dkey-9i23.11 [Source:ZFIN;Acc:ZDB-GENE-030131-3489]	si:dkey-9i23.11
ENSDARG00000093997	ENSDARP00000117097	si:dkey-9i23.15 [Source:ZFIN;Acc:ZDB-GENE-090313-361]	si:dkey-9i23.15
ENSDARG00000093954	ENSDARP00000121370	si:dkey-9i23.16 [Source:ZFIN;Acc:ZDB-GENE-090313-362]	si:dkey-9i23.16
ENSDARG00000094678	ENSDARP00000112567	si:dkey-9i23.6 [Source:ZFIN;Acc:ZDB-GENE-090313-365]	si:dkey-9i23.6
ENSDARG00000095407	ENSDARP00000117530	si:dkey-9i23.8 [Source:ZFIN;Acc:ZDB-GENE-090313-367]	si:dkey-9i23.8
ENSDARG00000095978	ENSDARP00000125207	si:dkey-9i5.2 [Source:ZFIN;Acc:ZDB-GENE-110914-61]	si:dkey-9i5.2
ENSDARG00000094615	ENSDARP00000114404	si:dkey-9p20.18 [Source:ZFIN;Acc:ZDB-GENE-070705-515]	si:dkey-9p20.18
ENSDARG00000092141	ENSDARP00000117956	si:dkeyp-100a1.6 [Source:ZFIN;Acc:ZDB-GENE-081104-448]	si:dkeyp-100a1.6
ENSDARG00000096109	ENSDARP00000125442	si:dkeyp-100h4.2 [Source:ZFIN;Acc:ZDB-GENE-110914-172]	si:dkeyp-100h4.2
ENSDARG00000096208	ENSDARP00000125446	si:dkeyp-100h4.8 [Source:ZFIN;Acc:ZDB-GENE-110914-140]	si:dkeyp-100h4.8
ENSDARG00000096715	ENSDARP00000127317	si:dkeyp-104f11.9 [Source:ZFIN;Acc:ZDB-GENE-130603-41]	si:dkeyp-104f11.9
ENSDARG00000095549	ENSDARP00000114208	si:dkeyp-106c3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-527]	si:dkeyp-106c3.2
ENSDARG00000096443	ENSDARP00000126532	si:dkeyp-107f9.1 [Source:ZFIN;Acc:ZDB-GENE-120709-34]	si:dkeyp-107f9.1
ENSDARG00000096444	ENSDARP00000126453	si:dkeyp-107f9.2 [Source:ZFIN;Acc:ZDB-GENE-120709-39]	si:dkeyp-107f9.2
ENSDARG00000096442	ENSDARP00000126454	si:dkeyp-107f9.4 [Source:ZFIN;Acc:ZDB-GENE-120709-91]	si:dkeyp-107f9.4
ENSDARG00000092482	ENSDARP00000116353	si:dkeyp-110g5.4 [Source:ZFIN;Acc:ZDB-GENE-081104-452]	si:dkeyp-110g5.4
ENSDARG00000043004	ENSDARP00000063136	si:dkeyp-117h8.4 [Source:ZFIN;Acc:ZDB-GENE-030804-4]	si:dkeyp-117h8.4
ENSDARG00000079036	ENSDARP00000114874	si:dkeyp-11g8.3 [Source:ZFIN;Acc:ZDB-GENE-110131-2]	si:dkeyp-11g8.3
ENSDARG00000091954	ENSDARP00000116515	si:dkeyp-122a9.1 [Source:ZFIN;Acc:ZDB-GENE-060503-651]	si:dkeyp-122a9.1
ENSDARG00000093116	ENSDARP00000119741	si:dkeyp-122a9.2 [Source:ZFIN;Acc:ZDB-GENE-060503-745]	si:dkeyp-122a9.2
ENSDARG00000092383	ENSDARP00000122918	si:dkeyp-12a9.5 [Source:ZFIN;Acc:ZDB-GENE-070912-635]	si:dkeyp-12a9.5
ENSDARG00000092225	ENSDARP00000115916	si:dkeyp-13a3.10 [Source:ZFIN;Acc:ZDB-GENE-070912-636]	si:dkeyp-13a3.10
ENSDARG00000076343	ENSDARP00000118306	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000091144	ENSDARP00000124067	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000096802	ENSDARP00000127406	si:dkeyp-13d11.1 [Source:ZFIN;Acc:ZDB-GENE-090313-377]	si:dkeyp-13d11.1
ENSDARG00000077519	ENSDARP00000114312	si:dkeyp-13d11.2 [Source:ZFIN;Acc:ZDB-GENE-090311-21]	si:dkeyp-13d11.2
ENSDARG00000096290	ENSDARP00000126070	si:dkeyp-15g8.5 [Source:ZFIN;Acc:ZDB-GENE-120215-208]	si:dkeyp-15g8.5
ENSDARG00000094163	ENSDARP00000122999	si:dkeyp-19e1.4 [Source:ZFIN;Acc:ZDB-GENE-081104-63]	si:dkeyp-19e1.4
ENSDARG00000092702	ENSDARP00000113451	si:dkeyp-20e4.8 [Source:ZFIN;Acc:ZDB-GENE-050208-356]	si:dkeyp-20e4.8
ENSDARG00000094279	ENSDARP00000119581	si:dkeyp-20g2.3 [Source:ZFIN;Acc:ZDB-GENE-070705-37]	si:dkeyp-20g2.3
ENSDARG00000096998	ENSDARP00000128927	si:dkeyp-34b8.1 [Source:ZFIN;Acc:ZDB-GENE-131121-193]	si:dkeyp-34b8.1
ENSDARG00000071083	ENSDARP00000095650	si:dkeyp-34c12.1 [Source:ZFIN;Acc:ZDB-GENE-030131-5347]	si:dkeyp-34c12.1

ENSDARG00000093430	ENSDARP00000125789	si:dkeyp-34f6.4 [Source:ZFIN;Acc:ZDB-GENE-070705-539]	si:dkeyp-34f6.4
ENSDARG00000056954	ENSDARP00000050406	si:dkeyp-38g8.5 [Source:ZFIN;Acc:ZDB-GENE-081104-62]	si:dkeyp-38g8.5
ENSDARG00000096043	ENSDARP00000125196	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000096476	ENSDARP00000126461	si:dkeyp-44b5.4 [Source:ZFIN;Acc:ZDB-GENE-120709-63]	si:dkeyp-44b5.4
ENSDARG00000089515	ENSDARP00000115110	si:dkeyp-46h3.5 [Source:ZFIN;Acc:ZDB-GENE-060503-937]	si:dkeyp-46h3.5
ENSDARG00000091950	ENSDARP00000121342	si:dkeyp-4c7.3 [Source:ZFIN;Acc:ZDB-GENE-090313-388]	si:dkeyp-4c7.3
ENSDARG00000096011	ENSDARP00000125122	si:dkeyp-4f2.3 [Source:ZFIN;Acc:ZDB-GENE-110914-117]	si:dkeyp-4f2.3
ENSDARG00000095596	ENSDARP00000114496	si:dkeyp-4f2.6 [Source:ZFIN;Acc:ZDB-GENE-110914-212]	si:dkeyp-4f2.6
ENSDARG00000097421	ENSDARP00000129608	si:dkeyp-50b9.1 [Source:ZFIN;Acc:ZDB-GENE-131127-254]	si:dkeyp-50b9.1
ENSDARG00000093150	ENSDARP00000118889	si:dkeyp-51f11.9 [Source:ZFIN;Acc:ZDB-GENE-070912-653]	si:dkeyp-51f11.9
ENSDARG00000095606	ENSDARP00000121751	si:dkeyp-51f12.2 [Source:ZFIN;Acc:ZDB-GENE-070705-546]	si:dkeyp-51f12.2
ENSDARG00000091904	ENSDARP00000126598	si:dkeyp-51f12.3 [Source:ZFIN;Acc:ZDB-GENE-070705-547]	si:dkeyp-51f12.3
ENSDARG00000042345	ENSDARP00000062095	si:dkeyp-55f12.3 [Source:ZFIN;Acc:ZDB-GENE-041001-118]	si:dkeyp-55f12.3
ENSDARG00000092568	ENSDARP00000118219	si:dkeyp-67d2.4 [Source:ZFIN;Acc:ZDB-GENE-081104-471]	si:dkeyp-67d2.4
ENSDARG00000091890	ENSDARP00000122481	si:dkeyp-67e1.3 [Source:ZFIN;Acc:ZDB-GENE-061207-84]	si:dkeyp-67e1.3
ENSDARG00000095024	ENSDARP00000118612	si:dkeyp-68b7.10 [Source:ZFIN;Acc:ZDB-GENE-070912-667]	si:dkeyp-68b7.10
ENSDARG00000087165	ENSDARP00000115100	si:dkeyp-69c1.7 [Source:ZFIN;Acc:ZDB-GENE-091204-69]	si:dkeyp-69c1.7
ENSDARG00000091888	ENSDARP00000115418	si:dkeyp-69c1.9 [Source:ZFIN;Acc:ZDB-GENE-030131-1774]	si:dkeyp-69c1.9
ENSDARG00000091783	ENSDARP00000109640	si:dkeyp-71f10.5 [Source:ZFIN;Acc:ZDB-GENE-131121-547]	si:dkeyp-71f10.5
ENSDARG00000097989	ENSDARP00000102323	si:dkeyp-73d8.6 [Source:ZFIN;Acc:ZDB-GENE-070912-683]	si:dkeyp-73d8.6
ENSDARG00000094045	ENSDARP00000118283	si:dkeyp-73d8.8 [Source:ZFIN;Acc:ZDB-GENE-070912-684]	si:dkeyp-73d8.8
ENSDARG000000976043	ENSDARP00000104267	si:dkeyp-73d8.9 [Source:ZFIN;Acc:ZDB-GENE-070912-685]	si:dkeyp-73d8.9
ENSDARG00000093940	ENSDARP00000118094	si:dkeyp-77c8.1 [Source:ZFIN;Acc:ZDB-GENE-090313-397]	si:dkeyp-77c8.1
ENSDARG00000092369	ENSDARP00000117706	si:dkeyp-77c8.3 [Source:ZFIN;Acc:ZDB-GENE-090313-399]	si:dkeyp-77c8.3
ENSDARG00000093025	ENSDARP00000112759	si:dkeyp-77c8.4 [Source:ZFIN;Acc:ZDB-GENE-090313-400]	si:dkeyp-77c8.4
ENSDARG00000095514	ENSDARP00000117258	si:dkeyp-77c8.5 [Source:ZFIN;Acc:ZDB-GENE-090313-401]	si:dkeyp-77c8.5
ENSDARG00000082848	ENSDARP00000075535	si:dkeyp-77h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	si:dkeyp-77h1.4
ENSDARG00000093709	ENSDARP00000119943	si:dkeyp-7a3.1 [Source:ZFIN;Acc:ZDB-GENE-091204-119]	si:dkeyp-7a3.1
ENSDARG00000094465	ENSDARP00000114306	si:dkeyp-80c12.8 [Source:ZFIN;Acc:ZDB-GENE-090313-404]	si:dkeyp-80c12.8
ENSDARG00000093674	ENSDARP00000120007	si:dkeyp-80d11.4 [Source:ZFIN;Acc:ZDB-GENE-060503-184]	si:dkeyp-80d11.4
ENSDARG00000093386	ENSDARP00000114525	si:dkeyp-82a1.1 [Source:ZFIN;Acc:ZDB-GENE-081105-23]	si:dkeyp-82a1.1
ENSDARG00000095539	ENSDARP00000120908	si:dkeyp-82a1.8 [Source:ZFIN;Acc:ZDB-GENE-081104-479]	si:dkeyp-82a1.8
ENSDARG00000096196	ENSDARP00000125304	si:dkeyp-82b4.4 [Source:ZFIN;Acc:ZDB-GENE-110914-60]	si:dkeyp-82b4.4
ENSDARG00000096059	ENSDARP00000125135	si:dkeyp-85d8.3 [Source:ZFIN;Acc:ZDB-GENE-110914-161]	si:dkeyp-85d8.3
ENSDARG00000087636	ENSDARP00000105574	si:dkeyp-86f7.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1005]	si:dkeyp-86f7.3
ENSDARG00000093322	ENSDARP00000118273	si:dkeyp-87a6.2 [Source:ZFIN;Acc:ZDB-GENE-091118-57]	si:dkeyp-87a6.2
ENSDARG00000070964	ENSDARP00000095394	si:rp71-15k1.1 [Source:ZFIN;Acc:ZDB-GENE-030131-1113]	si:rp71-15k1.1
ENSDARG00000096721	ENSDARP00000127424	si:rp71-1c10.11 [Source:ZFIN;Acc:ZDB-GENE-130603-61]	si:rp71-1c10.11
ENSDARG00000023157	ENSDARP00000037692	si:rp71-1g18.7 [Source:ZFIN;Acc:ZDB-GENE-040724-112]	si:rp71-1g18.7
ENSDARG00000097544	ENSDARP00000129547	si:rp71-1h20.9 [Source:ZFIN;Acc:ZDB-GENE-131127-386]	si:rp71-1h20.9
ENSDARG00000095401	ENSDARP00000118089	si:rp71-1i20.1 [Source:ZFIN;Acc:ZDB-GENE-030131-8955]	si:rp71-1i20.1
ENSDARG00000043198	ENSDARP00000063419	si:rp71-1i20.2 [Source:ZFIN;Acc:ZDB-GENE-040724-207]	si:rp71-1i20.2
ENSDARG00000092779	ENSDARP00000120075	si:rp71-23d18.4 [Source:ZFIN;Acc:ZDB-GENE-050208-761]	si:rp71-23d18.4
ENSDARG00000095295	ENSDARP00000116838	si:rp71-36a1.1 [Source:ZFIN;Acc:ZDB-GENE-050208-407]	si:rp71-36a1.1
ENSDARG00000093686	ENSDARP00000113876	si:rp71-36a1.2 [Source:ZFIN;Acc:ZDB-GENE-050208-646]	si:rp71-36a1.2
ENSDARG00000071662	ENSDARP00000115240	si:rp71-36a1.3 [Source:ZFIN;Acc:ZDB-GENE-050208-566]	si:rp71-36a1.3
ENSDARG00000077252	ENSDARP00000073380	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000090882	ENSDARP00000111497	si:rp71-36a1.5 [Source:ZFIN;Acc:ZDB-GENE-091204-428]	si:rp71-36a1.5
ENSDARG00000075291	ENSDARP00000123289	si:rp71-36n21.1 [Source:ZFIN;Acc:ZDB-GENE-110131-1]	si:rp71-36n21.1
ENSDARG00000044023	ENSDARP00000064632	si:rp71-40n14.1 [Source:ZFIN;Acc:ZDB-GENE-030131-7503]	si:rp71-40n14.1
ENSDARG00000093794	ENSDARP00000119982	si:rp71-79p20.2 [Source:ZFIN;Acc:ZDB-GENE-030616-83]	si:rp71-79p20.2
ENSDARG00000094316	ENSDARP00000123147	si:rp71-80o10.4 [Source:ZFIN;Acc:ZDB-GENE-090313-413]	si:rp71-80o10.4
ENSDARG00000070306	ENSDARP00000120725	si:rp71-81e14.2 [Source:ZFIN;Acc:ZDB-GENE-060503-95]	si:rp71-81e14.2
ENSDARG00000097314	ENSDARP00000128457	si:zfos-1714f5.3 [Source:ZFIN;Acc:ZDB-GENE-131127-148]	si:zfos-1714f5.3
ENSDARG00000098019	ENSDARP00000128730	si:zfos-2372e4.1 [Source:ZFIN;Acc:ZDB-GENE-131127-560]	si:zfos-2372e4.1
ENSDARG00000097691	ENSDARP00000127784	si:zfos-332c3.1 [Source:ZFIN;Acc:ZDB-GENE-131127-543]	si:zfos-332c3.1
ENSDARG00000096738	ENSDARP00000127241	si:zfos-911d5.4 [Source:ZFIN;Acc:ZDB-GENE-130603-14]	si:zfos-911d5.4
ENSDARG00000017163	ENSDARP00000019122	si:zfos-interacting nuclear protein [Source:ZFIN;Acc:ZDB-GENE-050913-2]	si:zfos-interacting nuclear protein
ENSDARG00000097824	ENSDARP00000129760	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	single-pass membrane protein with coiled-coil domains 4
ENSDARG00000093798	ENSDARP00000123435	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050208-359]	SLX4 structure-specific endonuclease subunit homolog (S. cerevisiae)
ENSDARG00000096427	ENSDARP00000125896	small integral membrane protein 22 [Source:HGNC Symbol;Acc:HGNC:48329]	small integral membrane protein 22
ENSDARG00000062476	ENSDARP00000084846	small nuclear RNA activating complex, polypeptide 5 [Source:ZFIN;Acc:ZDB-GENE-041111-50]	small nuclear RNA activating complex, polypeptide 5
ENSDARG00000016145	ENSDARP00000024699	solute carrier family 39 (zinc transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060315-9]	solute carrier family 39 (zinc transporter), member 3
ENSDARG00000097339	ENSDARP00000128918	solute carrier family 9 (sodium/hydrogen exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-080225-42]	solute carrier family 9 (sodium/hydrogen exchanger), member 1
ENSDARG00000014190	ENSDARP00000017950	somatostatin 2 [Source:ZFIN;Acc:ZDB-GENE-010219-2]	somatostatin 2
ENSDARG00000093804	ENSDARP00000117669	somatostatin 6 [Source:ZFIN;Acc:ZDB-GENE-081022-199]	somatostatin 6
ENSDARG00000088373	ENSDARP00000109164	sperm acrosome associated 4 like [Source:ZFIN;Acc:ZDB-GENE-101011-2]	sperm acrosome associated 4 like
ENSDARG00000035694	ENSDARP00000095945	starmaker [Source:ZFIN;Acc:ZDB-GENE-031112-4]	starmaker
ENSDARG00000088405	ENSDARP00000112193	supervillin b [Source:ZFIN;Acc:ZDB-GENE-081104-411]	supervillin b
ENSDARG00000052429	ENSDARP00000068774	synaptogyrin 2a [Source:ZFIN;Acc:ZDB-GENE-070112-1292]	synaptogyrin 2a
ENSDARG00000093089	ENSDARP00000121994	tachykinin 3a [Source:ZFIN;Acc:ZDB-GENE-090313-253]	tachykinin 3a
ENSDARG00000097596	ENSDARP00000128229	tachykinin 3b [Source:ZFIN;Acc:ZDB-GENE-120716-1]	tachykinin 3b
ENSDARG00000096234	ENSDARP00000126245	tachykinin 4 (hemokinin) [Source:ZFIN;Acc:ZDB-GENE-120215-159]	tachykinin 4 (hemokinin)
ENSDARG00000068760	ENSDARP00000090344	tankyrase 1 binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-050208-317]	tankyrase 1 binding protein 1
ENSDARG00000099880	ENSDARP00000097664	taste receptor, type 2, member 200, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-070917-4]	taste receptor, type 2, member 200, tandem duplicate 1
ENSDARG00000074066	ENSDARP00000098344	taste receptor, type 2, member 200, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050510-4]	taste receptor, type 2, member 200, tandem duplicate 2
ENSDARG00000086869	ENSDARP00000107661	three-finger protein 5 (LOC100003647), mRNA [Source:RefSeq mRNA;Acc:NM_001172308]	three-finger protein 5 (LOC100003647), mRNA
ENSDARG00000035018	ENSDARP00000045409	Thy-1 cell surface antigen [Source:ZFIN;Acc:ZDB-GENE-030131-8561]	Thy-1 cell surface antigen
ENSDARG00000090632	ENSDARP00000110311	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA [Source:RefSeq mRNA;Acc:NM_001159670]	thymic stromal-derived lymphopoietin receptor (tslpr), mRNA

ENSDARG00000094788	ENSDARP00000123319	tol2 transposon-derived gene trap locus 4A [Source:ZFIN;Acc:ZDB-GENE-040723-4]	t2gt14a
ENSDARG00000090402	ENSDARP00000108544	TRAF family member-associated NFkB activator [Source:ZFIN;Acc:ZDB-GENE-060929-308]	tank
ENSDARG00000097740	ENSDARP00000119872	transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) [Source:ZFIN;Acc:ZDB-GENE-020415-1]	tecb2
ENSDARG00000095259	ENSDARP00000120390	transmembrane protein 119a [Source:ZFIN;Acc:ZDB-GENE-060526-69]	tmem119a
ENSDARG00000095674	ENSDARP00000122717	transmembrane protein 123 [Source:ZFIN;Acc:ZDB-GENE-050419-69]	tmem123
ENSDARG00000074776	ENSDARP00000099931	transmembrane protein 154 [Source:ZFIN;Acc:ZDB-GENE-030131-2401]	tmem154
ENSDARG00000035914	ENSDARP00000118932	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050320-29]	tmem167a
ENSDARG00000090105	ENSDARP00000109907	transmembrane protein 167B [Source:ZFIN;Acc:ZDB-GENE-040808-17]	tmem167b
ENSDARG00000094439	ENSDARP00000114190	transmembrane protein 176L.3a [Source:ZFIN;Acc:ZDB-GENE-080829-13]	tmem176L.3a
ENSDARG00000096874	ENSDARP00000129057	transmembrane protein 176L.3b [Source:ZFIN;Acc:ZDB-GENE-080829-14]	tmem176L.3b
ENSDARG00000092787	ENSDARP00000122244	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30536]	TMEM261
ENSDARG00000090027	ENSDARP00000105738	TRIO and F-actin binding protein [Source:ZFIN;Acc:ZDB-GENE-061215-80]	trioeb
ENSDARG00000079550	ENSDARP00000103399	tumor necrosis factor (ligand) superfamily, member 18 [Source:ZFIN;Acc:ZDB-GENE-101109-1]	tnfsf18
ENSDARG00000088178	ENSDARP00000111197	tumor protein p53 inducible nuclear protein 2 [Source:ZFIN;Acc:ZDB-GENE-120420-1]	tp53inp2
ENSDARG00000094675	ENSDARP00000120873	tumor suppressor candidate 5 [Source:HGNC Symbol;Acc:HGNC:29592]	TUSC5
ENSDARG00000069841	ENSDARP00000092752	uncharacterized LOC100000433 (LOC100000433), mRNA [Source:RefSeq mRNA;Acc:NM_001242645]	CU596012.2
ENSDARG00000078938	ENSDARP00000099959	uncharacterized LOC799523 (LOC799523), mRNA [Source:RefSeq mRNA;Acc:NM_001100064]	CR936408.1
ENSDARG00000078340	ENSDARP00000070074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A2BGN9]	BX510909.1
ENSDARG00000088761	ENSDARP00000109700	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXE5]	CAB201058871.1
ENSDARG00000090390	ENSDARP00000104829	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK1]	FP016235.1
ENSDARG00000087215	ENSDARP00000104827	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXK4]	CAB201085394.1
ENSDARG00000086548	ENSDARP00000104814	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXL4]	CR381540.3
ENSDARG00000086181	ENSDARP00000109696	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXN5]	BX005052.1
ENSDARG00000090601	ENSDARP00000111964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXR5]	CAB201010191.1
ENSDARG00000087660	ENSDARP00000111942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT4]	CAB201049025.1
ENSDARG00000090879	ENSDARP00000109628	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EXT7]	CR788311.1
ENSDARG00000089281	ENSDARP00000104757	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY08]	CT027682.2
ENSDARG00000087677	ENSDARP00000104755	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY11]	CR827808.2
ENSDARG00000087019	ENSDARP00000104740	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY16]	BX323444.2
ENSDARG00000071588	ENSDARP00000111883	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY68]	BX539307.1
ENSDARG00000079243	ENSDARP00000036191	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY70]	CAB201080492.1
ENSDARG00000091467	ENSDARP00000111874	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY76]	CAB201090750.1
ENSDARG00000089959	ENSDARP00000111819	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYB7]	CR388164.2
ENSDARG00000037882	ENSDARP00000055217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYH7]	BX324163.1
ENSDARG00000090415	ENSDARP00000104636	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYI3]	BX897747.3
ENSDARG00000091514	ENSDARP00000104605	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ9]	CT737190.3
ENSDARG00000088419	ENSDARP00000109474	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYJ7]	BX649431.1
ENSDARG00000090511	ENSDARP00000111765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYP6]	CAB201048092.1
ENSDARG00000089454	ENSDARP00000109418	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYS8]	CR392364.1
ENSDARG00000087200	ENSDARP00000111727	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYI3]	CAB201071224.1
ENSDARG00000090774	ENSDARP00000109407	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYU0]	CAB201062995.1
ENSDARG00000090234	ENSDARP00000104596	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EYW8]	CAB201002533.1
ENSDARG00000086430	ENSDARP00000104537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EY07]	CAB201044775.1
ENSDARG00000086759	ENSDARP00000109372	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZS1]	CAB201074268.1
ENSDARG00000090867	ENSDARP00000111669	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ67]	CAB201060296.1
ENSDARG00000087912	ENSDARP00000111662	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZ73]	FP016176.1
ENSDARG00000089728	ENSDARP00000111600	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZC8]	CT027679.1
ENSDARG00000086031	ENSDARP00000104451	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZH2]	CU928213.1
ENSDARG00000088940	ENSDARP00000109222	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZT2]	CT027682.1
ENSDARG00000088772	ENSDARP00000111518	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EZU9]	BX548000.1
ENSDARG00000087434	ENSDARP00000107105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0L0]	FP236789.2
ENSDARG00000090406	ENSDARP00000111475	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q7]	BX005265.1
ENSDARG00000086335	ENSDARP00000111471	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Q9]	CAB201040054.1
ENSDARG00000086784	ENSDARP00000107765	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0X2]	CAB201023601.1
ENSDARG00000089690	ENSDARP00000107711	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F0Z6]	CAB201044980.1
ENSDARG00000089198	ENSDARP00000102862	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F128]	CAB201075275.1
ENSDARG00000089664	ENSDARP00000107683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F114]	CU993820.1
ENSDARG00000089136	ENSDARP00000111338	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F1Y4]	CU984580.4
ENSDARG00000070677	ENSDARP00000003041	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F262]	BX004840.1
ENSDARG00000089473	ENSDARP00000107592	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F269]	BX649485.2
ENSDARG00000077741	ENSDARP00000099712	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F299]	ZGC:165551
ENSDARG00000052240	ENSDARP00000068556	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E2]	BX901974.1
ENSDARG00000089383	ENSDARP00000105999	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2E6]	CU652893.1
ENSDARG00000034598	ENSDARP00000046693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2K1]	AL929520.1
ENSDARG00000041221	ENSDARP00000060423	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N5]	CT027754.1
ENSDARG00000089010	ENSDARP00000107536	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2N8]	CR932358.2
ENSDARG00000075620	ENSDARP00000091532	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F2S3]	FP017194.1
ENSDARG00000087643	ENSDARP00000111236	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F328]	CR735107.2
ENSDARG00000037005	ENSDARP00000053787	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F346]	CR388095.1
ENSDARG00000055334	ENSDARP00000096870	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F360]	CR450686.1
ENSDARG00000091643	ENSDARP00000107437	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3C9]	FP085412.2
ENSDARG00000088203	ENSDARP00000105978	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3D7]	CAB201089205.1
ENSDARG00000088299	ENSDARP00000105942	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3G0]	CR388002.2
ENSDARG00000071636	ENSDARP00000096859	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K2]	BX511034.1
ENSDARG00000071629	ENSDARP00000096840	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3K4]	BX511034.1
ENSDARG00000075038	ENSDARP00000104011	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3M9]	CAB201058371.1
ENSDARG00000090346	ENSDARP00000107986	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3P2]	CT574587.1
ENSDARG00000075090	ENSDARP00000107948	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3R2]	CU467646.1
ENSDARG00000044355	ENSDARP00000065135	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7F3V4]	CT030712.1

ENSDARG00000043131	ENSDARP0000011172	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F477]	BX664625.1
ENSDARG00000089819	ENSDARP0000011121	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4B7]	CR391961.2
ENSDARG00000090612	ENSDARP00000107343	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4E3]	CT583625.2
ENSDARG00000088644	ENSDARP00000107318	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4F4]	CU468041.1
ENSDARG00000091174	ENSDARP00000096723	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F4T9]	BX649524.1
ENSDARG00000086889	ENSDARP00000107805	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5E0]	CU464087.1
ENSDARG00000087737	ENSDARP00000107228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5I6]	CABZ01113191.1
ENSDARG00000089132	ENSDARP00000107208	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5K3]	BX649490.1
ENSDARG00000086059	ENSDARP00000105482	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5S5]	CU855780.1
ENSDARG00000089356	ENSDARP00000105292	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5W2]	AL929276.2
ENSDARG00000089402	ENSDARP00000105234	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F5Y9]	CABZ01063841.1
ENSDARG00000086308	ENSDARP00000112372	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F620]	CABZ01063173.1
ENSDARG00000086547	ENSDARP00000105050	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F631]	CABZ01010194.1
ENSDARG00000088198	ENSDARP00000105007	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F666]	CABZ01077220.1
ENSDARG00000086621	ENSDARP00000108989	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F677]	CT583625.1
ENSDARG00000087202	ENSDARP00000103959	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6A9]	BX511066.1
ENSDARG00000079691	ENSDARP00000066492	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6J5]	CABZ01073087.1
ENSDARG00000090037	ENSDARP00000108687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6Q3]	BX927317.1
ENSDARG00000087408	ENSDARP00000108660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6S6]	CU207343.2
ENSDARG00000086315	ENSDARP00000110975	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F6S7]	CABZ01021532.1
ENSDARG00000079534	ENSDARP00000103731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F720]	CABZ01112215.1
ENSDARG00000090167	ENSDARP00000110872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F777]	CABZ01010189.1
ENSDARG00000077423	ENSDARP00000103627	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7H5]	BX004964.1
ENSDARG00000058631	ENSDARP00000097344	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7I5]	CABZ01030107.1
ENSDARG00000090053	ENSDARP00000110795	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7K4]	CABZ01027511.1
ENSDARG00000088233	ENSDARP00000110788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7L3]	CT025771.1
ENSDARG00000087618	ENSDARP00000110773	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M3]	CT583679.1
ENSDARG00000086035	ENSDARP00000110766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7M8]	CABZ01062563.1
ENSDARG00000090869	ENSDARP00000108422	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7Q7]	CABZ01010194.2
ENSDARG00000088839	ENSDARP00000110703	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7S5]	BX248120.1
ENSDARG00000075022	ENSDARP00000103586	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F7U6]	CABZ01030119.1
ENSDARG00000086216	ENSDARP00000110676	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F816]	FP326665.1
ENSDARG00000089800	ENSDARP00000108299	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8E8]	BX005223.3
ENSDARG00000088982	ENSDARP00000110580	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8H0]	CU929163.1
ENSDARG00000071733	ENSDARP00000097063	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8Q9]	CT030204.3
ENSDARG00000056166	ENSDARP00000073072	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8T3]	CR759816.1
ENSDARG00000078289	ENSDARP00000021871	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8V9]	CABZ01046425.1
ENSDARG00000089729	ENSDARP00000108152	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F8W9]	BX649296.1
ENSDARG00000088197	ENSDARP00000106144	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F910]	CU627988.1
ENSDARG00000086121	ENSDARP00000108119	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F964]	BX085193.1
ENSDARG00000087555	ENSDARP00000106768	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9D9]	FP103059.1
ENSDARG00000086543	ENSDARP00000106713	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9G5]	BX284638.2
ENSDARG00000090310	ENSDARP00000076485	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9H6]	CABZ01065328.1
ENSDARG00000074487	ENSDARP00000101228	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9L9]	CR762483.1
ENSDARG00000089784	ENSDARP00000106091	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9P5]	CT827808.1
ENSDARG00000086472	ENSDARP00000110370	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7F9V5]	AL929220.1
ENSDARG00000089462	ENSDARP00000106660	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF7]	CT583679.2
ENSDARG00000087444	ENSDARP00000106013	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB5]	BX664625.1
ENSDARG00000090877	ENSDARP00000110349	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAB9]	CABZ01058139.1
ENSDARG00000089821	ENSDARP00000110313	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAF7]	BX957278.1
ENSDARG00000087353	ENSDARP00000106652	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAH3]	CABZ01057633.1
ENSDARG00000089720	ENSDARP00000106638	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI0]	CABZ01077218.1
ENSDARG00000079681	ENSDARP00000106621	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAI6]	CABZ01059627.2
ENSDARG00000086095	ENSDARP00000109951	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAQ2]	BX539307.2
ENSDARG00000077886	ENSDARP00000101158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FAV0]	CR854948.1
ENSDARG00000088288	ENSDARP00000106593	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB48]	CR792416.1
ENSDARG00000089416	ENSDARP00000106556	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB70]	CABZ01117452.1
ENSDARG00000087009	ENSDARP00000106541	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB79]	CABZ01078499.1
ENSDARG00000087256	ENSDARP00000106532	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB86]	FP016207.1
ENSDARG00000079657	ENSDARP00000101147	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB88]	BX005223.2
ENSDARG00000091230	ENSDARP00000098759	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FB86]	CABZ01077223.1
ENSDARG00000088918	ENSDARP00000110294	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBF2]	CABZ01021532.2
ENSDARG00000088488	ENSDARP00000109787	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBV3]	CR352290.2
ENSDARG00000071622	ENSDARP00000103081	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FBY2]	CABZ01046433.1
ENSDARG00000086564	ENSDARP00000106471	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC43]	AL935184.1
ENSDARG00000091721	ENSDARP00000106455	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC53]	BX897747.1
ENSDARG00000054611	ENSDARP00000071302	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FC56]	CABZ01032352.1
ENSDARG00000088869	ENSDARP00000106918	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCK2]	CABZ01118775.1
ENSDARG00000089184	ENSDARP00000106358	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCT6]	BX664625.2
ENSDARG00000067599	ENSDARP00000088096	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCV1]	CR936371.2
ENSDARG00000071135	ENSDARP00000095731	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FCY7]	CR547131.1
ENSDARG00000068742	ENSDARP00000090319	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FD48]	CR384085.1
ENSDARG00000091572	ENSDARP00000104946	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDB5]	BX005234.1
ENSDARG00000090579	ENSDARP00000104909	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDE4]	CT583700.1
ENSDARG00000089199	ENSDARP00000110082	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDG2]	CABZ01025394.1
ENSDARG00000088612	ENSDARP00000106800	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDI2]	CU468142.1
ENSDARG00000069027	ENSDARP00000090872	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDI6]	BX005395.1
ENSDARG00000089554	ENSDARP00000110044	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDJ1]	CABZ01038313.1
ENSDARG00000088201	ENSDARP00000110014	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDK8]	CABZ01072699.2

ENSDARG00000090144	ENSDARP00000106237	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDQ4]	CABZ01074070.1
ENSDARG00000089269	ENSDARP00000106226	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDR1]	FP102887.1
ENSDARG00000090991	ENSDARP00000106210	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDR7]	CU151895.1
ENSDARG00000087696	ENSDARP00000106799	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FDY8]	CABZ01073032.1
ENSDARG00000087627	ENSDARP00000106198	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FE48]	CABZ01072159.1
ENSDARG00000087282	ENSDARP00000105665	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEB5]	CABZ01074944.1
ENSDARG00000078398	ENSDARP00000099171	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FED7]	BX005228.1
ENSDARG00000087920	ENSDARP00000105411	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEF4]	CU179757.2
ENSDARG00000088793	ENSDARP00000108937	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FES5]	CABZ01083815.1
ENSDARG00000089098	ENSDARP00000112162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEU5]	CR936540.2
ENSDARG00000045423	ENSDARP00000100170	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FEV7]	BX571823.1
ENSDARG00000087345	ENSDARP00000100776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF28]	CABZ01059415.2
ENSDARG00000077221	ENSDARP00000100765	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF33]	CR385078.1
ENSDARG00000090107	ENSDARP00000105396	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF82]	CR974475.2
ENSDARG00000086477	ENSDARP00000105381	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FF87]	BX005329.2
ENSDARG00000091527	ENSDARP00000105345	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFA7]	CABZ01068153.1
ENSDARG00000088766	ENSDARP00000105151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFF5]	CABZ01112210.1
ENSDARG00000091296	ENSDARP00000105126	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FFH5]	CABZ01078520.1
ENSDARG00000088625	ENSDARP00000112281	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FG60]	AL929105.3
ENSDARG00000088512	ENSDARP00000105549	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGG6]	CR847844.5
ENSDARG00000090536	ENSDARP00000105528	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGI0]	CABZ01061498.1
ENSDARG00000091038	ENSDARP00000112457	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGN5]	CU207276.4
ENSDARG00000091817	ENSDARP00000112416	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR0]	CR391998.1
ENSDARG00000077719	ENSDARP00000112414	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGR1]	BX004876.1
ENSDARG00000089798	ENSDARP00000105099	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FGV6]	CABZ01080471.1
ENSDARG00000089113	ENSDARP00000112023	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E7FH31]	CR927050.1
ENSDARG00000094770	ENSDARP00000119064	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QBU3]	CT583625.3
ENSDARG00000095454	ENSDARP00000116323	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QBZ3]	AL928685.3
ENSDARG00000092521	ENSDARP00000123434	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC16]	CR382283.2
ENSDARG00000092230	ENSDARP00000121294	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QC59]	CABZ01010194.3
ENSDARG00000096299	ENSDARP00000093091	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QCD2]	NKD3
ENSDARG00000095120	ENSDARP00000121024	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QCT1]	CU207311.1
ENSDARG00000092026	ENSDARP00000121632	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFA1]	CABZ01112215.2
ENSDARG00000094027	ENSDARP00000114481	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QFC5]	CR381646.1
ENSDARG00000093712	ENSDARP00000115408	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:E9QGG4]	CABZ01021530.1
ENSDARG00000044212	ENSDARP00000072017	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4P0]	CR385063.1
ENSDARG00000079546	ENSDARP00000103535	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4V2]	BX548000.1
ENSDARG00000071140	ENSDARP00000095736	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q4Z7]	BX927308.1
ENSDARG00000095025	ENSDARP00000118788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q566]	sid:key-17e16.18
ENSDARG00000094202	ENSDARP00000115215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q566]	sid:keyp-72g6.2
ENSDARG00000094050	ENSDARP00000114233	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q566]	sid:keyp-79f12.7
ENSDARG00000090640	ENSDARP00000103736	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q6T2]	BX571813.4
ENSDARG00000078927	ENSDARP00000103412	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q741]	CT573252.1
ENSDARG00000094155	ENSDARP00000113644	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q7X3]	CU570881.2
ENSDARG00000089864	ENSDARP00000106907	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8N7]	BX323573.1
ENSDARG00000039311	ENSDARP00000057430	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8U1]	CU306817.1
ENSDARG00000037253	ENSDARP00000054197	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q8V8]	CT573253.1
ENSDARG00000077954	ENSDARP00000103198	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1Q9J9]	BX004828.1
ENSDARG00000077266	ENSDARP00000100011	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAP3]	BX470200.1
ENSDARG00000079517	ENSDARP00000092720	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAY2]	CU672228.3
ENSDARG00000087376	ENSDARP00000106664	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QAY6]	BX005329.3
ENSDARG00000042912	ENSDARP00000062989	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QB17]	BX004824.1
ENSDARG00000088665	ENSDARP00000106161	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QBM6]	BX465187.1
ENSDARG00000076277	ENSDARP00000098788	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QC13]	CR385050.1
ENSDARG00000089692	ENSDARP00000106037	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QCU9]	CR450686.2
ENSDARG00000089432	ENSDARP00000109782	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QD86]	CR352328.2
ENSDARG00000078099	ENSDARP00000102776	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QDK0]	CR391991.1
ENSDARG00000057102	ENSDARP00000074158	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QDT2]	BX957274.1
ENSDARG00000089500	ENSDARP00000111945	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEH7]	AL935128.1
ENSDARG00000090419	ENSDARP00000109218	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QEN8]	CABZ01078499.2
ENSDARG00000076088	ENSDARP00000098420	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QF83]	CABZ01032351.1
ENSDARG00000044673	ENSDARP00000065645	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH5]	CABZ01030469.1
ENSDARG00000094494	ENSDARP00000123135	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFH9]	CR926879.1
ENSDARG00000087119	ENSDARP00000111887	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QFZ4]	CABZ01118004.1
ENSDARG00000089942	ENSDARP00000111480	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QG84]	BX000348.1
ENSDARG00000090801	ENSDARP00000111828	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QGP0]	CABZ01078481.1
ENSDARG00000076971	ENSDARP00000050388	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHF3]	CABZ01084503.1
ENSDARG00000088628	ENSDARP00000111793	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHI2]	CR450701.1
ENSDARG00000087690	ENSDARP00000111783	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHJ0]	BX323010.1
ENSDARG00000089433	ENSDARP00000111410	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QHL5]	CU570889.1
ENSDARG00000088771	ENSDARP00000111766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI54]	CR548627.1
ENSDARG00000089595	ENSDARP00000111722	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QI92]	AL928887.2
ENSDARG00000086931	ENSDARP00000109062	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIC8]	CABZ01029822.1
ENSDARG00000086291	ENSDARP00000111376	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QID2]	AL928685.1
ENSDARG00000053408	ENSDARP00000053468	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QIN4]	CU469547.1
ENSDARG00000089645	ENSDARP00000109328	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJ75]	CU929307.1
ENSDARG00000029048	ENSDARP00000111265	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QJX6]	CU302316.2
ENSDARG00000073678	ENSDARP00000102836	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QK16]	CABZ01039301.1
ENSDARG00000075524	ENSDARP00000091437	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKB9]	CABZ01044023.1

ENSDARG00000086047	ENSDARP00000106779	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKP1]	CABZ01067657.1
ENSDARG00000093788	ENSDARP00000118570	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QKX2]	CT583625.2
ENSDARG00000088863	ENSDARP00000068505	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLF7]	BX936412.1
ENSDARG00000071028	ENSDARP00000095531	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLG3]	CABZ01074669.1
ENSDARG00000088609	ENSDARP00000106574	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLK2]	CU571257.1
ENSDARG00000095148	ENSDARP00000120860	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLK7]	CT583625.4
ENSDARG00000091595	ENSDARP00000106568	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QLL4]	CABZ01079490.1
ENSDARG00000069859	ENSDARP0000012721	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QM19]	CR847950.1
ENSDARG00000088585	ENSDARP00000106513	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QMA0]	CR536621.1
ENSDARG00000053952	ENSDARP00000070555	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QNB7]	CU681841.1
ENSDARG00000091441	ENSDARP00000105339	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QP88]	BX537156.1
ENSDARG00000086217	ENSDARP00000105266	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QPJ6]	zgc:152830
ENSDARG00000091178	ENSDARP00000110115	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QQD7]	AL929193.1
ENSDARG00000086168	ENSDARP00000110888	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSQ9]	CU672228.4
ENSDARG00000087888	ENSDARP000001108542	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QOQW1]	CABZ01114120.1
ENSDARG00000095486	ENSDARP00000122499	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR01]	CU467646.3
ENSDARG00000090278	ENSDARP00000108529	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR10]	CU179759.3
ENSDARG00000088679	ENSDARP00000110813	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR9J]	CABZ01034702.1
ENSDARG00000088150	ENSDARP00000108162	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRQ8]	CU928071.1
ENSDARG00000079924	ENSDARP00000064215	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QRX9]	BX284672.1
ENSDARG00000089148	ENSDARP00000108917	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS26]	BX323461.1
ENSDARG00000089938	ENSDARP00000110083	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS7]	BX469930.1
ENSDARG00000073667	ENSDARP00000059472	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QS55]	CABZ01061508.1
ENSDARG00000086913	ENSDARP00000110786	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QSY9]	CABZ01090748.1
ENSDARG00000091443	ENSDARP00000110763	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT15]	CR792453.3
ENSDARG00000088417	ENSDARP00000108428	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT35]	CABZ01078262.1
ENSDARG00000068018	ENSDARP00000088884	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT58]	CU672228.1
ENSDARG00000079673	ENSDARP00000088837	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QT84]	CR847950.3
ENSDARG00000087935	ENSDARP00000108855	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTJ9]	CR450808.2
ENSDARG00000087901	ENSDARP00000108048	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QTZ5]	CU896691.2
ENSDARG00000086433	ENSDARP00000110353	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU04]	BX005364.1
ENSDARG00000088920	ENSDARP00000108038	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QU07]	CU571257.2
ENSDARG00000080999	ENSDARP00000108757	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUG7]	CT033790.2
ENSDARG00000086176	ENSDARP00000108380	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUH8]	CU694226.3
ENSDARG00000088292	ENSDARP00000108357	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK2]	CU539054.1
ENSDARG00000089990	ENSDARP00000108352	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUK8]	CR854881.1
ENSDARG00000026900	ENSDARP00000108700	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUV6]	CU302316.1
ENSDARG00000076587	ENSDARP00000097536	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QV58]	CABZ01073417.1
ENSDARG00000035718	ENSDARP00000040785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QVK6]	AL929105.1
ENSDARG00000087213	ENSDARP00000108279	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW39]	CABZ01053617.1
ENSDARG00000089588	ENSDARP00000108275	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QW41]	BX324216.2
ENSDARG00000068944	ENSDARP00000090672	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ5]	CABZ01015787.1
ENSDARG00000089633	ENSDARP00000089949	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	BX942821.2
ENSDARG00000088229	ENSDARP00000108600	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QWQ3]	CR383671.1
ENSDARG00000086584	ENSDARP00000102033	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QXV6]	CABZ01034692.1
ENSDARG00000079145	ENSDARP00000094687	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QY11]	CABZ01077217.1
ENSDARG00000038587	ENSDARP00000056332	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QR3]	CU929150.1
ENSDARG00000092203	ENSDARP00000117766	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QUU3]	CR352226.2
ENSDARG00000092602	ENSDARP00000114151	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZ39]	BX546499.2
ENSDARG00000089694	ENSDARP00000105755	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZH3]	CR792453.3
ENSDARG00000090688	ENSDARP00000105752	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZH4]	BX323994.1
ENSDARG00000058659	ENSDARP00000076010	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1QZW3]	CABZ01034698.1
ENSDARG00000086069	ENSDARP00000081806	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0C8]	CT573393.1
ENSDARG00000092426	ENSDARP00000116821	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0F0]	AL928685.2
ENSDARG00000070224	ENSDARP00000093659	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0I5]	CABZ01056821.1
ENSDARG00000087632	ENSDARP00000104796	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R0P6]	CABZ01083502.1
ENSDARG00000086437	ENSDARP00000104673	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R150]	AL845481.1
ENSDARG00000088964	ENSDARP00000104529	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R1M2]	CR382381.1
ENSDARG00000086072	ENSDARP00000107846	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2N2]	BX470119.1
ENSDARG00000079325	ENSDARP00000072699	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2R9]	CABZ01046432.1
ENSDARG00000058753	ENSDARP00000096644	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R2S3]	CU929149.1
ENSDARG00000089370	ENSDARP00000107035	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R305]	CABZ01077221.1
ENSDARG00000039896	ENSDARP00000058355	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3E7]	BX004857.1
ENSDARG00000088503	ENSDARP00000107454	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3L5]	BX682234.2
ENSDARG00000035561	ENSDARP00000051550	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R3U8]	AL928875.1
ENSDARG00000090208	ENSDARP00000107785	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R455]	BX088644.1
ENSDARG00000089822	ENSDARP00000107748	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4B1]	BX649341.2
ENSDARG00000077346	ENSDARP00000099878	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4N5]	CABZ01064799.1
ENSDARG00000090475	ENSDARP00000096963	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R4Q8]	CR352226.1
ENSDARG00000090333	ENSDARP00000107371	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R568]	CABZ01112249.1
ENSDARG00000089157	ENSDARP00000104125	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R5L6]	CU179759.2
ENSDARG00000071666	ENSDARP00000096844	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A5]	CABZ01034691.1
ENSDARG00000076363	ENSDARP00000096843	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A6]	CABZ01077228.1
ENSDARG00000071630	ENSDARP00000096841	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R6A8]	AL929276.1
ENSDARG00000075951	ENSDARP00000104041	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7S3]	CABZ01072534.1
ENSDARG00000087033	ENSDARP00000107597	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7A5]	AL845301.1
ENSDARG00000092582	ENSDARP00000121849	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R7Z7]	CR352226.3
ENSDARG00000086531	ENSDARP00000107202	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R8A9]	CABZ01071530.2
ENSDARG00000074844	ENSDARP00000072066	Uncharacterized protein	[Source:UniProtKB/TrEMBL;Acc:F1R882]	CABZ01061495.1

ENSDARG0000005263	ENSDARP00000072062	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R883]	BX511172.1
ENSDARG00000035657	ENSDARP00000051719	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8D6]	BX649384.1
ENSDARG00000078394	ENSDARP00000058424	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8M9]	CAB201059627.1
ENSDARG00000087913	ENSDARP00000087974	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R8W1]	CAB201034698.2
ENSDARG00000055841	ENSDARP00000087940	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R900]	CAB201046427.1
ENSDARG00000086857	ENSDARP00000107183	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R910]	CR354549.1
ENSDARG00000088253	ENSDARP00000107059	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R954]	CAB201065246.1
ENSDARG00000077415	ENSDARP00000072703	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R990]	CR450686.1
ENSDARG00000088329	ENSDARP00000107872	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9D5]	CR556710.1
ENSDARG00000075388	ENSDARP00000101497	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9M4]	CR392354.1
ENSDARG00000075563	ENSDARP00000101174	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAQ4]	CT027696.1
ENSDARG00000088575	ENSDARP00000104920	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RAV0]	CAB201077140.1
ENSDARG00000058052	ENSDARP00000075301	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RBV8]	CR388145.1
ENSDARG00000091651	ENSDARP00000112367	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RD79]	BX005156.1
ENSDARG00000035101	ENSDARP00000042886	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R89]	CT963086.1
ENSDARG00000074846	ENSDARP00000099476	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDE1]	CU984580.4
ENSDARG00000075788	ENSDARP00000099430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1RDF9]	CR974475.1
ENSDARG00000088966	ENSDARP00000100295	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R31]	BX511034.1
ENSDARG00000090093	ENSDARP00000112430	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1REP8]	CAB201104063.1
ENSDARG00000092732	ENSDARP00000123683	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6NQ31]	CU570881.1
ENSDARG00000089636	ENSDARP00000125016	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8W5Q1]	BX322587.1
ENSDARG00000038404	ENSDARP00000056042	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1R9XC0]	CAB201029900.1
ENSDARG00000054974	ENSDARP00000071724	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXH1]	CR388087.1
ENSDARG00000056425	ENSDARP00000073810	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXIO]	CAB201072487.1
ENSDARG00000063315	ENSDARP00000111345	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXM4]	CAB201064968.1
ENSDARG00000068160	ENSDARP00000089148	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXP4]	FP245465.2
ENSDARG00000086434	ENSDARP00000090327	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXQ1]	CAB201075684.2
ENSDARG00000077720	ENSDARP00000096822	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXS7]	CAB201062422.1
ENSDARG00000090894	ENSDARP00000096897	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GXS8]	CAB201064972.2
ENSDARG00000091815	ENSDARP00000101141	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY10]	CT573234.1
ENSDARG00000089707	ENSDARP00000103876	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY57]	CAB201081747.1
ENSDARG00000087514	ENSDARP00000104790	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GY82]	CR792415.3
ENSDARG00000090057	ENSDARP00000105305	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYA3]	CAB201038802.1
ENSDARG00000089041	ENSDARP00000105535	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC2]	CAB201087025.1
ENSDARG00000087003	ENSDARP00000105667	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYC5]	CAB201071642.2
ENSDARG00000090529	ENSDARP00000105970	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYD3]	CAB201083607.2
ENSDARG00000090864	ENSDARP00000106798	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYH1]	CAB201066716.1
ENSDARG00000090660	ENSDARP00000106904	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYI2]	CAB201113582.1
ENSDARG00000088988	ENSDARP00000107241	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYJ8]	CAB201079804.1
ENSDARG00000090405	ENSDARP00000107729	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYM4]	CAB201029902.2
ENSDARG00000090683	ENSDARP00000108158	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYN6]	CAB201072488.1
ENSDARG00000086167	ENSDARP00000108262	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYP6]	CAB201063534.1
ENSDARG00000091295	ENSDARP00000108689	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYS3]	BX088712.2
ENSDARG00000087169	ENSDARP00000109045	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYU7]	CAB201081375.1
ENSDARG00000089677	ENSDARP00000109187	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYV4]	CAB201117603.1
ENSDARG00000089577	ENSDARP00000109467	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYX7]	CAB201079804.2
ENSDARG00000091049	ENSDARP00000109623	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GYV7]	CAB201002339.1
ENSDARG00000089818	ENSDARP00000110175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ19]	CAB201064968.2
ENSDARG00000091604	ENSDARP00000110448	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ31]	CAB201079302.1
ENSDARG00000086694	ENSDARP00000110792	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ52]	CAB201102076.1
ENSDARG00000091094	ENSDARP00000110820	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ58]	CAB201111604.1
ENSDARG00000089504	ENSDARP00000111006	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ66]	CAB201117605.1
ENSDARG00000087416	ENSDARP00000111229	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ80]	CAB201069268.1
ENSDARG00000091199	ENSDARP00000111359	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZ92]	FP245465.3
ENSDARG00000087183	ENSDARP00000111943	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZC0]	CAB201088071.1
ENSDARG00000088306	ENSDARP00000112205	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H9GZD9]	CAB201088737.1
ENSDARG00000096578	ENSDARP00000126706	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GDZ6]	cul4a
ENSDARG00000096510	ENSDARP00000126834	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GEC1]	hoxa9a
ENSDARG00000096720	ENSDARP00000127277	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3JAK9]	cpn1
ENSDARG00000076244	ENSDARP00000103417	uo:ion006 [Source:ZFIN;Acc:ZDB-GENE-090713-4]	uo:ion006
ENSDARG00000053854	ENSDARP00000070445	urotensin 2, alpha [Source:ZFIN;Acc:ZDB-GENE-040630-11]	uts2a
ENSDARG00000067781	ENSDARP00000088396	urotensin II-related peptide [Source:ZFIN;Acc:ZDB-GENE-110718-3]	urp2
ENSDARG00000093493	ENSDARP00000115472	urotensin-related peptide 1 [Source:ZFIN;Acc:ZDB-GENE-100922-138]	urp1
ENSDARG00000093053	ENSDARP00000121078	vascular associated protein [Source:ZFIN;Acc:ZDB-GENE-090313-42]	vap
ENSDARG00000045003	ENSDARP00000066163	vessel-specific 1 [Source:ZFIN;Acc:ZDB-GENE-060616-96]	vsg1
ENSDARG00000088636	ENSDARP00000111143	wu:fa03e10 [Source:ZFIN;Acc:ZDB-GENE-030131-6721]	wu:fa03e10
ENSDARG00000092352	ENSDARP00000115981	wu:fa92h10 [Source:ZFIN;Acc:ZDB-GENE-030131-8643]	wu:fa92h10
ENSDARG00000068432	ENSDARP00000089747	wu:fb17g07 [Source:ZFIN;Acc:ZDB-GENE-030131-226]	wu:fb17g07
ENSDARG00000076532	ENSDARP00000099737	wu:fb18c02 [Source:ZFIN;Acc:ZDB-GENE-030131-247]	wu:fb18c02
ENSDARG00000097635	ENSDARP00000129245	wu:fb18f06 [Source:ZFIN;Acc:ZDB-GENE-030131-261]	wu:fb18f06
ENSDARG00000092222	ENSDARP00000120343	wu:fb64b08 [Source:ZFIN;Acc:ZDB-GENE-030131-1250]	wu:fb64b08
ENSDARG00000086988	ENSDARP00000106784	wu:fc26g07 [Source:ZFIN;Acc:ZDB-GENE-030131-3087]	wu:fc26g07
ENSDARG00000088337	ENSDARP00000107967	wu:fc34e06 [Source:ZFIN;Acc:ZDB-GENE-030131-3331]	wu:fc34e06
ENSDARG00000077216	ENSDARP00000103606	wu:fc51h05 [Source:ZFIN;Acc:ZDB-GENE-031118-186]	wu:fc51h05
ENSDARG00000089342	ENSDARP00000106882	wu:fc75a09 [Source:ZFIN;Acc:ZDB-GENE-030131-4139]	wu:fc75a09
ENSDARG00000073811	ENSDARP00000098865	wu:fi34b01 [Source:ZFIN;Acc:ZDB-GENE-030131-6091]	wu:fi34b01
ENSDARG00000070709	ENSDARP00000094165	wu:fi42e03 [Source:ZFIN;Acc:ZDB-GENE-030131-6284]	wu:fi42e03
ENSDARG00000089353	ENSDARP00000108702	wu:fj30f06 [Source:ZFIN;Acc:ZDB-GENE-030131-7567]	wu:fj30f06
ENSDARG00000089418	ENSDARP00000110777	wu:fk66f10 [Source:ZFIN;Acc:ZDB-GENE-030131-7035]	wu:fk66f10

ENSDARG00000070800	ENSDARPO0000074710	zgc:109744 [Source:ZFIN;Acc:ZDB-GENE-050809-146]	zgc:109744
ENSDARG00000065888	ENSDARPO0000035524	zgc:111983 [Source:ZFIN;Acc:ZDB-GENE-050417-335]	zgc:111983
ENSDARG00000070899	ENSDARPO0000060140	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000095369	ENSDARPO00000119045	zgc:112966 [Source:ZFIN;Acc:ZDB-GENE-050320-137]	zgc:112966
ENSDARG00000026296	ENSDARPO00000120817	zgc:112994 [Source:ZFIN;Acc:ZDB-GENE-050522-519]	zgc:112994
ENSDARG00000035610	ENSDARPO00000051622	zgc:113208 [Source:ZFIN;Acc:ZDB-GENE-050417-450]	zgc:113208
ENSDARG00000037398	ENSDARPO00000054416	zgc:113229 [Source:ZFIN;Acc:ZDB-GENE-050417-475]	zgc:113229
ENSDARG00000059235	ENSDARPO00000115677	zgc:113274 [Source:ZFIN;Acc:ZDB-GENE-050508-2]	zgc:113274
ENSDARG00000056650	ENSDARPO00000073631	zgc:113276 [Source:ZFIN;Acc:ZDB-GENE-050522-7]	zgc:113276
ENSDARG00000038271	ENSDARPO00000091845	zgc:113293 [Source:ZFIN;Acc:ZDB-GENE-050417-453]	zgc:113293
ENSDARG00000071648	ENSDARPO00000123723	zgc:113298 [Source:ZFIN;Acc:ZDB-GENE-050522-40]	zgc:113298
ENSDARG00000069453	ENSDARPO00000120117	zgc:113314 [Source:ZFIN;Acc:ZDB-GENE-050913-19]	zgc:113314
ENSDARG00000058794	ENSDARPO00000113650	zgc:113324 [Source:ZFIN;Acc:ZDB-GENE-050306-13]	zgc:113324
ENSDARG00000038382	ENSDARPO00000105217	zgc:113363 [Source:ZFIN;Acc:ZDB-GENE-050327-7]	zgc:113363
ENSDARG00000037192	ENSDARPO00000054087	zgc:113364 [Source:ZFIN;Acc:ZDB-GENE-050410-5]	zgc:113364
ENSDARG00000073821	ENSDARPO00000033162	zgc:113397 [Source:ZFIN;Acc:ZDB-GENE-050913-13]	zgc:113397
ENSDARG00000039099	ENSDARPO00000057100	zgc:113413 [Source:ZFIN;Acc:ZDB-GENE-050306-5]	zgc:113413
ENSDARG000000051793	ENSDARPO00000067963	zgc:113426 [Source:ZFIN;Acc:ZDB-GENE-050913-149]	zgc:113426
ENSDARG00000017489	ENSDARPO00000046944	zgc:123068 [Source:ZFIN;Acc:ZDB-GENE-051030-98]	zgc:123068
ENSDARG00000030440	ENSDARPO00000043344	zgc:136474 [Source:ZFIN;Acc:ZDB-GENE-060616-210]	zgc:136474
ENSDARG00000070830	ENSDARPO00000095090	zgc:136858 [Source:ZFIN;Acc:ZDB-GENE-060421-6632]	zgc:136858
ENSDARG00000095281	ENSDARPO00000117065	zgc:152652 [Source:ZFIN;Acc:ZDB-GENE-060818-27]	zgc:152652
ENSDARG00000039243	ENSDARPO00000011827	zgc:152791 [Source:ZFIN;Acc:ZDB-GENE-060901-4]	zgc:152791
ENSDARG00000091442	ENSDARPO00000107315	zgc:152938 [Source:ZFIN;Acc:ZDB-GENE-061013-458]	zgc:152938
ENSDARG00000068663	ENSDARPO00000090169	zgc:152951 [Source:ZFIN;Acc:ZDB-GENE-060929-416]	zgc:152951
ENSDARG00000070423	ENSDARPO00000117627	zgc:153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	zgc:153157
ENSDARG00000071446	ENSDARPO00000096416	zgc:153659 [Source:ZFIN;Acc:ZDB-GENE-060825-311]	zgc:153659
ENSDARG00000074920	ENSDARPO00000100082	zgc:153659 [Source:ZFIN;Acc:ZDB-GENE-060825-311]	zgc:153659
ENSDARG00000062326	ENSDARPO00000113935	zgc:158409 [Source:ZFIN;Acc:ZDB-GENE-061215-23]	zgc:158409
ENSDARG00000091864	ENSDARPO00000115902	zgc:158701 [Source:ZFIN;Acc:ZDB-GENE-070410-10]	zgc:158701
ENSDARG00000095863	ENSDARPO00000060821	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSDARG00000041490	ENSDARPO00000117084	zgc:161979 [Source:ZFIN;Acc:ZDB-GENE-030131-5217]	zgc:161979
ENSDARG00000042620	ENSDARPO00000062517	zgc:162356 [Source:ZFIN;Acc:ZDB-GENE-090507-1]	zgc:162356
ENSDARG00000070604	ENSDARPO00000094633	zgc:162509 [Source:ZFIN;Acc:ZDB-GENE-050809-100]	zgc:162509
ENSDARG00000027639	ENSDARPO00000116942	zgc:165539 [Source:ZFIN;Acc:ZDB-GENE-030131-5478]	zgc:165539
ENSDARG00000096566	ENSDARPO00000126816	zgc:165656 [Source:ZFIN;Acc:ZDB-GENE-070928-6]	zgc:165656
ENSDARG00000077248	ENSDARPO00000103275	zgc:171459 [Source:ZFIN;Acc:ZDB-GENE-030131-2059]	zgc:171459
ENSDARG00000092924	ENSDARPO00000109929	zgc:171474 [Source:ZFIN;Acc:ZDB-GENE-080215-16]	zgc:171474
ENSDARG00000071643	ENSDARPO00000096878	zgc:171490 [Source:ZFIN;Acc:ZDB-GENE-080204-29]	zgc:171490
ENSDARG00000090578	ENSDARPO00000106207	zgc:171497 [Source:ZFIN;Acc:ZDB-GENE-080220-58]	zgc:171497
ENSDARG00000071553	ENSDARPO00000096642	zgc:171500 [Source:ZFIN;Acc:ZDB-GENE-080204-9]	zgc:171500
ENSDARG00000077493	ENSDARPO00000096892	zgc:171601 [Source:ZFIN;Acc:ZDB-GENE-080220-33]	zgc:171601
ENSDARG00000076721	ENSDARPO00000075861	zgc:171686 [Source:ZFIN;Acc:ZDB-GENE-080220-56]	zgc:171686
ENSDARG00000095966	ENSDARPO00000125100	zgc:171699 [Source:ZFIN;Acc:ZDB-GENE-071004-24]	zgc:171699
ENSDARG00000078638	ENSDARPO00000097022	zgc:171750 [Source:ZFIN;Acc:ZDB-GENE-071004-30]	zgc:171750
ENSDARG00000058791	ENSDARPO00000118015	zgc:171887 [Source:ZFIN;Acc:ZDB-GENE-080220-39]	zgc:171887
ENSDARG00000092885	ENSDARPO00000112994	zgc:171977 [Source:ZFIN;Acc:ZDB-GENE-070822-24]	zgc:171977
ENSDARG00000087531	ENSDARPO00000110977	zgc:172014 [Source:ZFIN;Acc:ZDB-GENE-080215-22]	zgc:172014
ENSDARG00000076530	ENSDARPO00000085295	zgc:172109 [Source:ZFIN;Acc:ZDB-GENE-090610-2]	zgc:172109
ENSDARG00000039100	ENSDARPO00000092867	zgc:172244 [Source:ZFIN;Acc:ZDB-GENE-080219-24]	zgc:172244
ENSDARG00000076958	ENSDARPO00000099044	zgc:172260 [Source:ZFIN;Acc:ZDB-GENE-080218-18]	zgc:172260
ENSDARG00000074983	ENSDARPO00000101037	zgc:172290 [Source:ZFIN;Acc:ZDB-GENE-080218-23]	zgc:172290
ENSDARG00000070714	ENSDARPO00000094882	zgc:173544 [Source:ZFIN;Acc:ZDB-GENE-030131-6229]	zgc:173544
ENSDARG00000094800	ENSDARPO00000113408	zgc:173545 [Source:ZFIN;Acc:ZDB-GENE-080215-6]	zgc:173545
ENSDARG00000076476	ENSDARPO00000103071	zgc:173770 [Source:ZFIN;Acc:ZDB-GENE-070822-29]	zgc:173770
ENSDARG00000076949	ENSDARPO00000104065	zgc:173837 [Source:ZFIN;Acc:ZDB-GENE-080213-12]	zgc:173837
ENSDARG00000045424	ENSDARPO00000116912	zgc:173856 [Source:ZFIN;Acc:ZDB-GENE-030131-5358]	zgc:173856
ENSDARG00000077110	ENSDARPO00000100120	zgc:174680 [Source:ZFIN;Acc:ZDB-GENE-080204-24]	zgc:174680
ENSDARG00000087318	ENSDARPO00000099524	zgc:174688 [Source:ZFIN;Acc:ZDB-GENE-071004-126]	zgc:174688
ENSDARG00000074780	ENSDARPO00000099538	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-74]	zgc:174698
ENSDARG00000057531	ENSDARPO00000126366	zgc:174698 [Source:ZFIN;Acc:ZDB-GENE-080204-87]	zgc:174698
ENSDARG00000074395	ENSDARPO00000092570	zgc:174719 [Source:ZFIN;Acc:ZDB-GENE-080213-13]	zgc:174719
ENSDARG00000077571	ENSDARPO00000103714	zgc:174862 [Source:ZFIN;Acc:ZDB-GENE-080303-29]	zgc:174862
ENSDARG00000077303	ENSDARPO00000100715	zgc:174863 [Source:ZFIN;Acc:ZDB-GENE-080204-87]	zgc:174863
ENSDARG00000077176	ENSDARPO00000101711	zgc:174888 [Source:ZFIN;Acc:ZDB-GENE-030328-33]	zgc:174888
ENSDARG00000075314	ENSDARPO00000097990	zgc:174906 [Source:ZFIN;Acc:ZDB-GENE-030131-6125]	zgc:174906
ENSDARG00000092626	ENSDARPO00000113923	zgc:174931 [Source:ZFIN;Acc:ZDB-GENE-070928-43]	zgc:174931
ENSDARG00000079255	ENSDARPO00000124910	zgc:174935 [Source:ZFIN;Acc:ZDB-GENE-080204-78]	zgc:174935
ENSDARG00000062057	ENSDARPO00000094326	zgc:174945 [Source:ZFIN;Acc:ZDB-GENE-080204-80]	zgc:174945
ENSDARG00000087933	ENSDARPO00000105700	zgc:174972 [Source:ZFIN;Acc:ZDB-GENE-080219-6]	zgc:174972
ENSDARG00000041727	ENSDARPO00000070231	zgc:175135 [Source:ZFIN;Acc:ZDB-GENE-080214-1]	zgc:175135
ENSDARG00000079916	ENSDARPO00000115962	zgc:175136 [Source:ZFIN;Acc:ZDB-GENE-080204-122]	zgc:175136
ENSDARG00000093584	ENSDARPO00000114252	zgc:193505 [Source:ZFIN;Acc:ZDB-GENE-030131-7103]	zgc:193505
ENSDARG00000092873	ENSDARPO00000126933	zgc:193541 [Source:ZFIN;Acc:ZDB-GENE-081022-15]	zgc:193541
ENSDARG00000096843	ENSDARPO00000129520	zgc:193593 [Source:ZFIN;Acc:ZDB-GENE-080723-21]	zgc:193593
ENSDARG00000075614	ENSDARPO00000114278	zgc:193682 [Source:ZFIN;Acc:ZDB-GENE-081022-25]	zgc:193682
ENSDARG00000075575	ENSDARPO00000102549	zgc:193711 [Source:ZFIN;Acc:ZDB-GENE-081022-34]	zgc:193711
ENSDARG00000092387	ENSDARPO00000123383	zgc:193742 [Source:ZFIN;Acc:ZDB-GENE-081022-37]	zgc:193742
ENSDARG00000076552	ENSDARPO00000102229	zgc:193801 [Source:ZFIN;Acc:ZDB-GENE-081022-40]	zgc:193801

ENSDARG00000076652	ENSDARP00000101734	zgc:193807 [Source:ZFIN;Acc:ZDB-GENE-081022-42]	zgc:193807
ENSDARG00000076745	ENSDARP00000101346	zgc:193811 [Source:ZFIN;Acc:ZDB-GENE-081022-43]	zgc:193811
ENSDARG00000091860	ENSDARP00000114201	zgc:194007 [Source:ZFIN;Acc:ZDB-GENE-081022-49]	zgc:194007
ENSDARG00000076828	ENSDARP00000101611	zgc:194101 [Source:ZFIN;Acc:ZDB-GENE-080723-68]	zgc:194101
ENSDARG00000074950	ENSDARP00000102752	zgc:194114 [Source:ZFIN;Acc:ZDB-GENE-081022-56]	zgc:194114
ENSDARG00000073799	ENSDARP00000123546	zgc:194210 [Source:ZFIN;Acc:ZDB-GENE-030131-2476]	zgc:194210
ENSDARG00000079532	ENSDARP00000101608	zgc:194242 [Source:ZFIN;Acc:ZDB-GENE-081022-84]	zgc:194242
ENSDARG00000078423	ENSDARP00000102754	zgc:194285 [Source:ZFIN;Acc:ZDB-GENE-081022-97]	zgc:194285
ENSDARG00000078250	ENSDARP00000098867	zgc:194398 [Source:ZFIN;Acc:ZDB-GENE-081022-111]	zgc:194398
ENSDARG00000079706	ENSDARP00000116483	zgc:194418 [Source:ZFIN;Acc:ZDB-GENE-080723-5]	zgc:194418
ENSDARG00000074696	ENSDARP00000098584	zgc:194621 [Source:ZFIN;Acc:ZDB-GENE-081022-130]	zgc:194621
ENSDARG00000079347	ENSDARP00000121181	zgc:194659 [Source:ZFIN;Acc:ZDB-GENE-081022-139]	zgc:194659
ENSDARG00000076388	ENSDARP00000100908	zgc:194686 [Source:ZFIN;Acc:ZDB-GENE-080721-26]	zgc:194686
ENSDARG00000079584	ENSDARP00000098907	zgc:194930 [Source:ZFIN;Acc:ZDB-GENE-081022-166]	zgc:194930
ENSDARG00000077138	ENSDARP00000101660	zgc:195173 [Source:ZFIN;Acc:ZDB-GENE-081022-190]	zgc:195173
ENSDARG00000069311	ENSDARP00000099117	zgc:195175 [Source:ZFIN;Acc:ZDB-GENE-081022-191]	zgc:195175
ENSDARG00000008732	ENSDARP00000021426	zgc:66479 [Source:ZFIN;Acc:ZDB-GENE-031030-10]	zgc:66479
ENSDARG00000032405	ENSDARP00000049169	zgc:85975 [Source:ZFIN;Acc:ZDB-GENE-040426-2417]	zgc:85975
ENSDARG00000021589	ENSDARP00000123646	zgc:91811 [Source:ZFIN;Acc:ZDB-GENE-040801-222]	zgc:91811
ENSDARG00000092792	ENSDARP00000120090	zgc:92658 [Source:ZFIN;Acc:ZDB-GENE-040718-123]	zgc:92658
ENSDARG00000097776	ENSDARP00000128423	zinc finger and SCAN domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13093]	ZSCAN20
ENSDARG00000062524	ENSDARP00000090010	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	ZNF507
ENSDARG00000078164	ENSDARP00000096287	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	ZNF576
ENSDARG00000037914	ENSDARP00000120871	zinc finger-like gene 1 [Source:ZFIN;Acc:ZDB-GENE-030828-6]	znfl1

Supplemental table 70. Common plecostomus specific genes compared to ictalurid catfish

Access number	nr_name
XP_005285763.1	fibrous sheath-interacting protein 2-like, partial [Chrysemys picta bellii]
XP_002599221.1	hypothetical protein BRAFLDRAFT_64428 [Branchiostoma floridae]
XP_002588275.1	hypothetical protein BRAFLDRAFT_86723 [Branchiostoma floridae]
XP_002610779.1	hypothetical protein BRAFLDRAFT_91571 [Branchiostoma floridae]
EFN81575.1	hypothetical protein EAI_17384 [Harpegnathos saltator]
ESO96648.1	hypothetical protein LOTGIDRAFT_176575, partial [Lottia gigantea]
CAN80132.1	hypothetical protein VITISV_012031 [Vitis vinifera]
XP_003200708.2	interphotoreceptor matrix proteoglycan 1 [Danio rerio]
XP_005444343.1	LOW QUALITY PROTEIN: SURP and G-patch domain-containing protein 2 [Falco cherrug]
XP_002660934.3	mucin-17 [Danio rerio]
NP_001070846.1	nuclear-interacting partner of ALK [Danio rerio]
XP_002664707.1	osteocrin-like [Danio rerio]
XP_005159312.1	protein FAM118B-like isoform X2 [Danio rerio]
XP_005162407.1	protein pitchfork [Danio rerio]
XP_005185045.1	putative protein FAM200B-like [Musca domestica]
NP_001138258.1	si:ch1073-126c3.2 precursor [Danio rerio]
XP_005318572.1	tigger transposable element-derived protein 1-like [Ictidomys tridecemlineatus]
XP_005297682.1	uncharacterized protein C7orf62 homolog isoform X1 [Chrysemys picta bellii]
XP_001919415.4	uncharacterized protein LOC100150811 [Danio rerio]
XP_002666059.3	uncharacterized protein LOC100321895 isoform X1 [Danio rerio]
XP_002660836.2	uncharacterized protein LOC100331996 [Danio rerio]
XP_002660539.3	uncharacterized protein LOC100333395 [Danio rerio]
XP_002942726.1	uncharacterized protein LOC100495238 [Xenopus (Silurana) tropicalis]
XP_004911565.1	uncharacterized protein LOC100495766 [Xenopus (Silurana) tropicalis]
XP_003201661.2	uncharacterized protein LOC100536045, partial [Danio rerio]
XP_005464324.1	uncharacterized protein LOC100690966 [Oreochromis niloticus]
XP_003455601.1	uncharacterized protein LOC100695605, partial [Oreochromis niloticus]
XP_005459180.1	uncharacterized protein LOC100697633 isoform X2 [Oreochromis niloticus]
XP_003725871.1	uncharacterized protein LOC100888095 [Strongylocentrotus purpuratus]
XP_003731558.1	uncharacterized protein LOC100890838 [Strongylocentrotus purpuratus]
XP_003730144.1	uncharacterized protein LOC100893101 [Strongylocentrotus purpuratus]
XP_003979988.1	uncharacterized protein LOC101078511, partial [Takifugu rubripes]
XP_004077796.1	uncharacterized protein LOC101155955 [Oryzias latipes]
XP_004084392.1	uncharacterized protein LOC101168263 [Oryzias latipes]
XP_004076578.1	uncharacterized protein LOC101168728 [Oryzias latipes]
XP_004085317.1	uncharacterized protein LOC101169087, partial [Oryzias latipes]
XP_004211073.1	uncharacterized protein LOC101234846 [Hydra vulgaris]
XP_004209452.1	uncharacterized protein LOC101235045 [Hydra vulgaris]
XP_004570409.1	uncharacterized protein LOC101464196 [Maylandia zebra]
XP_004571626.1	uncharacterized protein LOC101465447 [Maylandia zebra]
XP_004544770.1	uncharacterized protein LOC101474083 [Maylandia zebra]
XP_004575931.1	uncharacterized protein LOC101476038 [Maylandia zebra]
XP_004539942.1	uncharacterized protein LOC101482357 [Maylandia zebra]
XP_004539419.1	uncharacterized protein LOC101486546 [Maylandia zebra]
XP_004916538.1	uncharacterized protein LOC101731054 [Xenopus (Silurana) tropicalis]
XP_004913647.1	uncharacterized protein LOC101731862, partial [Xenopus (Silurana) tropicalis]
XP_004916159.1	uncharacterized protein LOC101733180, partial [Xenopus (Silurana) tropicalis]
XP_004910717.1	uncharacterized protein LOC101733380, partial [Xenopus (Silurana) tropicalis]
XP_004914719.1	uncharacterized protein LOC101733949, partial [Xenopus (Silurana) tropicalis]
XP_005169642.1	uncharacterized protein LOC101882694 [Danio rerio]
XP_005166190.1	uncharacterized protein LOC101883128 [Danio rerio]
XP_005156050.1	uncharacterized protein LOC101883144 [Danio rerio]
XP_005159218.1	uncharacterized protein LOC101883233 [Danio rerio]
XP_005171702.1	uncharacterized protein LOC101883359 isoform X1 [Danio rerio]
XP_005170255.1	uncharacterized protein LOC101883544 [Danio rerio]
XP_005165049.1	uncharacterized protein LOC101883556 [Danio rerio]
XP_005160479.1	uncharacterized protein LOC101883788 [Danio rerio]
XP_005168106.1	uncharacterized protein LOC101884080 [Danio rerio]
XP_005167166.1	uncharacterized protein LOC101884444 [Danio rerio]
XP_005170172.1	uncharacterized protein LOC101885753 [Danio rerio]
XP_005166303.1	uncharacterized protein LOC101885889 [Danio rerio]

XP_005232451.1	uncharacterized protein LOC101920103 [Falco peregrinus]
XP_005294278.1	uncharacterized protein LOC101930828 [Chrysemys picta bellii]
XP_005456598.1	uncharacterized protein LOC102075694 [Oreochromis niloticus]
XP_005450152.1	uncharacterized protein LOC102076141 [Oreochromis niloticus]
XP_005475589.1	uncharacterized protein LOC102076972 isoform X1 [Oreochromis niloticus]
XP_005452781.1	uncharacterized protein LOC102077212 isoform X1 [Oreochromis niloticus]
XP_005465042.1	uncharacterized protein LOC102077517 [Oreochromis niloticus]
XP_005463564.1	uncharacterized protein LOC102077902 [Oreochromis niloticus]
XP_005470188.1	uncharacterized protein LOC102078060 [Oreochromis niloticus]
XP_005466727.1	uncharacterized protein LOC102078153, partial [Oreochromis niloticus]
XP_005459247.1	uncharacterized protein LOC102079909 [Oreochromis niloticus]
XP_005460634.1	uncharacterized protein LOC102080148 isoform X1 [Oreochromis niloticus]
XP_005460636.1	uncharacterized protein LOC102080148 isoform X3 [Oreochromis niloticus]
XP_005460658.1	uncharacterized protein LOC102082911 [Oreochromis niloticus]
XP_005755453.1	uncharacterized protein LOC102197285, partial [Pundamilia nyererei]
XP_005742081.1	uncharacterized protein LOC102206014 [Pundamilia nyererei]
XP_005752635.1	uncharacterized protein LOC102207220 [Pundamilia nyererei]
XP_005754710.1	uncharacterized protein LOC102210904 [Pundamilia nyererei]
XP_005809077.1	uncharacterized protein LOC102221235 [Xiphophorus maculatus]
XP_005817135.1	uncharacterized protein LOC102232946 [Xiphophorus maculatus]
XP_005952245.1	uncharacterized protein LOC102290310, partial [Haplochromis burtoni]
XP_005930196.1	uncharacterized protein LOC102290724 [Haplochromis burtoni]
XP_005950869.1	uncharacterized protein LOC102296798 [Haplochromis burtoni]
XP_005912962.1	uncharacterized protein LOC102301374 [Haplochromis burtoni]
XP_006800564.1	uncharacterized protein LOC102785141 [Neolamprologus brichardi]
XP_006808924.1	uncharacterized protein LOC102795061 [Neolamprologus brichardi]
XP_692475.3	uncharacterized protein LOC564023 [Danio rerio]
NP_001004669.1	UPF0585 protein C16orf13 homolog B [Danio rerio]/zgc: 103625
XP_005165067.1	zgc:101699 isoform X1 [Danio rerio]
AAH95239.1	Zgc:92753 protein [Danio rerio]/gc:group-specific component (vitamin D binding protein)
EFN60310.1	Zinc finger protein KIAA0543 [Camponotus floridanus]
XP_003369062.1	zinc knuckle protein [Trichinella spiralis]

Supplemental table 71. Striped Raphael catfish specific genes compared to ictalurid catfish

Access number	nr_name
EG169315.1	FLJ37770-like protein
XP_002010947.1	GI21425
XP_002022319.1	GL24331
XP_003702583.1	histone-lysine N-methyltransferase SETMAR-like
EMC77429.1	hypothetical protein A306_15251
EKC32039.1	hypothetical protein CGI_10009074
EKC28956.1	hypothetical protein CGI_10011829
EFN60894.1	hypothetical protein EAG_00507
EFN72876.1	hypothetical protein EAG_01351
EFN62518.1	hypothetical protein EAG_03659
ESO90461.1	hypothetical protein LOTGIDRAFT_164040
EFZ10176.1	hypothetical protein SINV_07528
AAI55298.1	LOC567658 protein
XP_005144679.1	protein NYNRIN-like
NP_001138258.1	si:ch1073-126c3.2 precursor
XP_005406112.1	tigger transposable element-derived protein 1-like
XP_001346181.4	uncharacterized protein LOC100007824
XP_003201665.2	uncharacterized protein LOC100334312
XP_003198905.2	uncharacterized protein LOC100334579
XP_003201716.2	uncharacterized protein LOC100535622
XP_003199320.1	uncharacterized protein LOC100535760
XP_003201661.2	uncharacterized protein LOC100536045, partial
XP_003197667.2	uncharacterized protein LOC100536200
XP_005172124.1	uncharacterized protein LOC100538256 isoform X2
XP_005458780.1	uncharacterized protein LOC100694271 isoform X1
XP_005459292.1	uncharacterized protein LOC100695424, partial
XP_003455601.1	uncharacterized protein LOC100695605, partial
XP_005461414.1	uncharacterized protein LOC100697908
XP_003460529.2	uncharacterized protein LOC100710209, partial
XP_003977182.1	uncharacterized protein LOC101061985, partial
XP_003979988.1	uncharacterized protein LOC101078511, partial
XP_003979164.1	uncharacterized protein LOC101078810, partial
XP_004084355.1	uncharacterized protein LOC101155079
XP_004085620.1	uncharacterized protein LOC101158825, partial
XP_004084452.1	uncharacterized protein LOC101163949
XP_004085643.1	uncharacterized protein LOC101166850, partial
XP_004084328.1	uncharacterized protein LOC101166927
XP_004084533.1	uncharacterized protein LOC101167511
XP_004084392.1	uncharacterized protein LOC101168263
XP_004067907.1	uncharacterized protein LOC101171652
XP_004084412.1	uncharacterized protein LOC101174556
XP_004570409.1	uncharacterized protein LOC101464196
XP_004571626.1	uncharacterized protein LOC101465447
XP_004566699.1	uncharacterized protein LOC101472502
XP_004575931.1	uncharacterized protein LOC101476038
XP_004574934.1	uncharacterized protein LOC101477648
XP_004554742.1	uncharacterized protein LOC101482043
XP_004913647.1	uncharacterized protein LOC101731862, partial
XP_004914719.1	uncharacterized protein LOC101733949, partial
XP_005168213.1	uncharacterized protein LOC101882066
XP_005172587.1	uncharacterized protein LOC101882148
XP_005167252.1	uncharacterized protein LOC101882414
XP_005163580.1	uncharacterized protein LOC101882486
XP_005157327.1	uncharacterized protein LOC101882844
XP_005157328.1	uncharacterized protein LOC101882906
XP_005171540.1	uncharacterized protein LOC101883033 isoform X1
XP_005171702.1	uncharacterized protein LOC101883359 isoform X1
XP_005173216.1	uncharacterized protein LOC101884034
XP_005168267.1	uncharacterized protein LOC101884117
XP_005174514.1	uncharacterized protein LOC101884145
XP_005163145.1	uncharacterized protein LOC101884312 isoform X1

XP_005161550.1	uncharacterized protein LOC101884487
XP_005172217.1	uncharacterized protein LOC101884770
XP_005160572.1	uncharacterized protein LOC101884906
XP_005172977.1	uncharacterized protein LOC101885221
XP_005164974.1	uncharacterized protein LOC101885531
XP_005165647.1	uncharacterized protein LOC101886080
XP_005157286.1	uncharacterized protein LOC101886835
XP_005475955.1	uncharacterized protein LOC102075856
XP_005476618.1	uncharacterized protein LOC102075859
XP_005462325.1	uncharacterized protein LOC102075860
XP_005450152.1	uncharacterized protein LOC102076141
XP_005475589.1	uncharacterized protein LOC102076972 isoform X1
XP_005465042.1	uncharacterized protein LOC102077517
XP_005477927.1	uncharacterized protein LOC102078008
XP_005453731.1	uncharacterized protein LOC102078893
XP_005462235.1	uncharacterized protein LOC102080651
XP_005465326.1	uncharacterized protein LOC102083239
XP_005742392.1	uncharacterized protein LOC102192331
XP_005755453.1	uncharacterized protein LOC102197285, partial
XP_005742081.1	uncharacterized protein LOC102206014
XP_005754419.1	uncharacterized protein LOC102214224
XP_005948298.1	uncharacterized protein LOC102295251
XP_005953477.1	uncharacterized protein LOC102301255
XP_005953050.1	uncharacterized protein LOC102307237
XP_005993715.1	uncharacterized protein LOC102354508, partial
XP_006038606.1	uncharacterized protein LOC102387905
XP_006625486.1	uncharacterized protein LOC102696357
XP_006800617.1	uncharacterized protein LOC102777202
XP_006809849.1	uncharacterized protein LOC102786649
XP_006795787.1	uncharacterized protein LOC102792782
